

**REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE**

**DETAILED DESIGN STUDY ON
THE BAGO RIVER BRIDGE
CONSTRUCTION PROJECT**

FINAL REPORT ATTACHMENTS

**VOLUME III QUANTITY
CALCULATION REPORT
Part II Steel Cable Stayed Bridge**

DECEMBER 2017

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

NIPPON KOEI CO., LTD.

ORIENTAL CONSULTANTS GLOBAL CO., LTD.

METROPOLITAN EXPRESSWAY COMPANY LIMITED.

CHODAI CO., LTD.

NIPPON ENGINEERING CONSULTANTS CO., LTD.

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Cable Stayed Bridge

1) Superstructure [Summary]

Bago Bridge Cable Stayed Bridge_Superstructure Quantities Summary

Items		Description	Spec	Unit	Qty Total
Tower Fabrication	Material	Steel plate		ton	609.1
		Shapes		ton	5.1
		Torque share high tension bolt		ton	6.2
	Fabrication	"A1":No. of major piece		nos	160
				ton	372.2
		"A2":No. of minor piece		nos	2702
				ton	226.2
		"B1":Length of welding for major piece(converted to 6mm fillet welding)		m	0
		"B2":Length of T-joint welding for major piece		m	906.6
		"C":Total No. of pieces *Pieces connected meanwhile being erection girder		nos	40
		"X":Total fabricated steel weight		ton	598.4
	Paint in factory	Blasting area(pre-processing before paint)		m2	5053.2
		Outside GEN		m2	1380.5
		Inside GEN		m2	3158.2
Girder Fabrication	Material	Steel plate		ton	4439.8
		Shapes		ton	540.4
		Torque share high tension bolt		ton	104.2
	Fabrication	"A1":No. of major piece		nos	1238
				ton	2285.5
		"A2":No. of minor piece		nos	53950
				ton	2440.3

		"B1":Length of welding for major piece(converted to 6mm fillet welding)	m	9611.5
		"B2":Length of T-joint welding for major piece	m	7171.6
		"W0":Percentage of weight of material equivalent to 570 within total fabricated steel weight	%	0.1
		"C":Total No. of pieces *Pieces connected meanwhile being erection girder	nos	515
		"X":Total fabricated steel weight	ton	4980.3
		Rail For Inspection Car	ton	3.8
		PL For Connect To Rocking Bearing	ton	2.7
	Paint in factory	Blasting area(pre-processing before paint)	m2	86047.8
		Outside GEN	m2	22135.4
		Overglaze Outside GEN	m2	641.1
		Inside GEN	m2	42466.7
		Surface Of Deck PL GEN	m2	9614.8
Tower erection	Pre-assembling	Welding	m	906.6
	Welding in site	Length of welding	m	17468.2
	Dead-bolting in site	Tower interior_Torque share high tension bolt	nos	10360
	Paint in site	Outside Welding	m2	44
		Inside SPL	m2	139.2
		Inside Bolt Head	m2	52.4
		Inside Welding	m2	52.9
		Connection	m2	278.3
Girder erection_Main Span	Pre-assembling	"Welding for main girder":Length of welding for major piece(converted to 6mm fillet welding)	m	3914
		"Welding for main girder":Length of T-joint welding for major piece	m	2982.1
		Welding for metal deck	m	2024.1
		U-rib welding	m	0

		Welding for Fairing PL		m	0
	Erection	Welding for metal deck		m	458
		Welding for Fairing PL		m	302.1
	Dead-bolting in site	Torque share high tension bolt		nos	41312
	Paint in site	Outside SPL		m2	144.6
		Outside Bolt Head		m2	36.6
		Outside Welding		m2	352.4
		Overglaze Outside Welding		m2	0
		Inside SPL		m2	426.4
		Inside Bolt Head		m2	174.2
		Inside Welding		m2	375.8
		Surface Of Deck PL Welding		m2	404.8
		Connection		m2	1140.1
Girder erection_Back Spans	Pre-assembling	"Welding for main girder":Length of welding for major piece(converted to 6mm fillet welding)		m	5697.5
		"Welding for main girder":Length of T-joint welding for major piece		m	4189.5
		Welding for metal deck		m	2885.6
		U-rib welding		m	0
		Welding for Fairing PL		m	0
	Erection	Welding for metal deck		m	2885.6
		Welding for Fairing PL		m	483.4
	Dead-bolting in site	Torque share high tension bolt		nos	152168
	Paint in site	Outside SPL		m2	817.5
		Outside Bolt Head		m2	189.1
		Outside Welding		m2	270.8

		Overglaze Outside Welding		m2	4.8
		Inside SPL		m2	1529.5
		Inside Bolt Head		m2	577.1
		Inside Welding		m2	301.6
		Surface Of Deck PL Welding		m2	577.1
		Connection		m2	4809.5
Bearing	Bearing For Horizontal Force	6700kN		nos	2
	Rocking Bearing	3700kN		nos	4
	Pivot Bearing	57700kN		nos	2
	Pin Roller Bearing	20800kN		nos	4
	Anchor Bolt			ton	20.7
	Anchor Frame			ton	24.2
	Pedestal Frame			ton	65.4
Cable stay material	PC strands(7S15.6)	SWPR7BL		ton	224.4
		Loss(2.0%)			0.02
	HDPE duct	φ180		m	952.8
		φ250		m	1785.4
		Loss(3.0%)			0.03
	Adjustmentable Anchorage	37H (Girder side)		nos	20
		70H (Girder side)		nos	20
	Fixed Anchorage	37H (Tower side)		nos	20
		70H (Tower side)		nos	20
	Sliding Tube	37H		nos	20
		70H		nos	20

	HDPE Joint Tube	37H		nos	20
		70H		nos	20
	Support Ring	37H		nos	20
		70H		nos	20
	Positioning Tube	37H		nos	20
		70H		nos	20
	Protection Tube	37H		nos	20
		70H		nos	20
	Buffer Device	37H (Girder side)		nos	20
		70H (Girder side)		nos	20
		37H (Tower side)		nos	20
		70H (Tower side)		nos	20
	Vibration Control Device	37H		set	20
		70H		set	20
Accessory & Miscellaneous work	Bridge Surface Work	Asphalt Pavement		m2	8028
		Concrete for Median		m3	89.2
		Stud for Median	SD345	kg	334
		Welded Wire Mesh for Median		m2	1115
		Water-Resistant Coating for Road Way		m2	8028
		Water-Resistant Coating for Median		m2	1115
	Wheel Guard & Median Strip	Concrete		m3	354.5
		Form		m2	877.1
		Reinforcing Bar	SD345	kg	21815
		Stud	SD345	kg	5237

		Drainage Pipe	STKR400	kg	4068
	Composite Barrier & Barrier For Carriage Way	Composite Barrier		m	895
		Reinforcing Bar for Composite Barrier	SD345	kg	5567
		Mortar for Composite Barrier		m3	4.76
		Barrier For Carriage Way		m	895
		Reinforcing Bar for Barrier For Carriage Way	SD345	kg	5567
		Mortar for Barrier For Carriage Way		m3	4.76
	Expansion Joint	Module Type		m	45.8
		Reinforcing Bar	SD345	kg	800
		Stud	SD345	kg	142
	Ligting	Load Lighting		nos	22
		Light-up System for Tower		nos	4
		Light-up System for Pier		nos	4
	Navigation Sign & Light	Safe Water		nos	2
		Port Hand		nos	6
		Starboard Hand		nos	6
	Aircraft Warning Light			nos	2
	Lightning Conductor			nos	2
	Manhole	Girder_Polychloroprene	480x9x680	nos	6
		Tower_Polychloroprene	510x10x710	nos	4
	Cable Rack(Reference)	Cable Rack Length	W=0.6m	m	448
		Cable Rack	W=0.6m L=3.0m	nos	149
		Cable Rack	L=0.5m	nos	2
		Joint		nos	148

		End Cap		nos	2
		Steady Piece		nos	203
	Drainage	Drainage Box		nos	140
		Bridge Surface Drainage		nos	102
	Ladder In Main Tower			ton	3
	Inspection Road			ton	38.1
	Water Pipe	Support		ton	16.6
	Fairing			ton	96.2
	Aerodynamic Device			ton	12.8

Cable Stayed Bridge

2) Superstructure [Main Girder]

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1. Summary of Quantities

Man-hour Estimate Items Summary Sheet

Accessory Items Summary Sheet

Calculated Items			Unit	Main Body	Accessories		Total	
					Slab Drain	Drainage System		
Main Body and Accessories	Others	Large Member	Number of Member	Nos.	1238	—	—	1238
			Member Weight	*1 kg	2285538	—	—	2285538
		Small Member	Number of Member	Nos.	53950	0	0	53950
			Member Weight	*2 kg	2426201	408	13720	2440329
		Number of Member	*5 Nos.	515	—	—	515	
	Cross Frame		Processed Weight	*3 kg	0	—	—	0
		Number of Member	Shape Steel Truss	*6 Nos.	0	—	—	0
			Steel Plate Truss	*7 Nos.	0	—	—	0
	Lateral		Processed Weight	*4 kg	0	—	—	0
		Number of Member	Shape Steel	*8 Nos.	0	—	—	0
Steel Plate			*9 Nos.	0	—	—	0	
	Processed Weight	*1+*2+*3+*4 total	kg	4711739	408	13720	4725867	
	Weight for 570 steel		kg	13888	0	0	13888	
	Number of Member	*5+*6+*7+*8+*9	Nos.	515	—	—	515	
	Butt Welding Lengh		m		—	—		
	Large Member T-joint Welding Length		m		—	—		
Structural Element		Average Span Length	mm					
		Girder Distance	mm					
		Girder Height	mm					

Items	Symbol	Processed Weight (kg)
Anchor Frame		23966
Anchor Bolt		20
Cable Rack		2937
Fairing		96202
Pedestal Frame		65344
Rail		3794
Rocking Bearing		9020
Inspection Way		37300
Water Pipe		15800
Total		254383

Description
 Large: Large Member
 Small: Small Member
 Hanger: Hanger
 S. A: Slab Anchor
 BU: Steel plate for build up shape steel
 Purchase: Purchased Member

Cross Frame: A member which is calculated as a cross frame
 Lateral: A member which is calculated as a lateral
 Cross Beam G: Material for cross beam

Man-hour Estimate Summary

	Unit	Main Body	Main Body Accessories	Accessories	Total
Number of Large Member	Nos.	1238			1238
Large Member Weight	kg	2285538			2285538
Number of Small Member	Nos.	53950			53950
Small Member Weight	kg	2426201	14128		2440329
Other Members	Nos.	515			515
Cross Frame Processed Weight	kg				
Cross Frame Shape Steel	Nos.				
Cross Drame Steel Plate	Nos.				
Lateral Processed Weight	kg				
Lateral Shape Steel	Nos.				
Lateral Steel Plate	Nos.				
Processed Weight	kg	4711739	14128	254383	4980250
Processed Weight (570 Steel)	kg	13888		3676	17564
Number of Members	Nos.	515			515

Bago Bridge

(Unit : kg)

Category	Material	Section	Main Girder	Main Girder Trans. Joint	Main Girder Longi. Joint	Main Girder Hor. Joint	Rocking Bearing	Anchor Bolt	Anchor Frame	Pedestal Frame	Drainage System	Slab Drain	Cable Rack	Water Pipe	Fairing	Rail	Inspection Way	Total	
PL	SM570	50	10120															10120	
		35	3768																3768
		22					3676												3676
	SM570 Total			13888				3676											17564
	SM520C-H	65									7438								7438
		55									6528								6528
		53	1744																1744
		50	1744																1744
		45	31432																31432
		44	2424																2424
		43	3008																3008
	SM520C-H Total			40352							13966								54318
	SM490YB	40									13676								13676
		38									10422								10422
		36	11052																11052
		35	55404																55404
		34	1084																1084
		32	16580																16580
		30	3500																3500
		28	3296								18816								22112
		25	46818																46818
		24	4288																4288
		23					5490												5490
		22	38568					4992		2904									46464
		20	42758																42758
		19									690								690
		18	21520				5656												27176
	17	32932																32932	
	SM490YB Total			277800			11146	4992	2904	43604									340446
	SM490YA	16	324432																324432
		15	112944	29688	320														142952
		14	636508							656									637164
		12		720															720
11		265017	728															265745	
10		25820	8344	1352														35516	
9		221444	47186	66384					1728									336742	
SM490YA Total			1586165	86666	68056				1728	656								1743271	
SM490C-H	101	5392																5392	
	66	1322																1322	
	55	2424																2424	
SM490C-H Total			9138															9138	
SM400C-H	110	9720																9720	
	85	4040																4040	
SM400C-H Total			13760															13760	
SM400A	27	172																172	
	25	23346																23346	
	24	193568																193568	
	22	16414							3888							1648		21950	
	20	59536											318					59854	
	19	520							1096	1668	6440							9724	
	18	48																48	
16	1312205								1836	4060						2146	1320247		

		15		3118													3118		
		14		3692				1800									5492		
		12		1236							776	3248					5260		
		11		24646													24646		
		10		44683			352	11524	796								57355		
		9		309032				404	730						5806		315972		
		8		1332													1332		
		6		10454				94		280	102		95346				106276		
		SM400A Total		2004002			352	17006	6830	10780	102	1094	3248	95346	3794	5806	2148360		
		SS400		25									3136				3136		
				22				288									288		
				19		40040											40040		
				18		11408											11408		
				17		636											636		
				16		2392	424										2816		
				15				152									152		
				14		4048		208									4256		
				12				204									204		
				10		1116	48										1164		
				9		2204	416	29624									32244		
				6		13862	1872	144	20		204						16102		
				4.5		264											264		
				3.2		178											178		
				2.3		128											128		
		SS400 Total		17182	61382	30240		20	564	288	204		3136				113016		
		PL Total		3962287	148048	98296	11146	9020	20	22202	65344	10780	306	1094	6384	95346	3794	5806	4439873
		FB	SS400	100* 6		436													436
				75* 6														1660	1660
				50* 6		1500								856				1450	3806
				50* 4.5														30	30
		FB Total				1936								856			3140		5932
		L	SS400	100* 100* 10										4872					4872
				75* 75* 9				1764											1764
				75* 75* 6								485						4080	4565
				50* 50* 6						420	102							3270	3792
		L Total						1764		420	102			485	4872			7350	14993
		H	SS400	100*100*6*8									1358	4544					5902
		CH	SS400	75*40*5*7														12586	12586
				100*50*5*7.5		208												208	208
		CH Total				208												12586	12794
		U	SM490YA	320* 240* 8		11568													11568
			SM400A	320* 240* 8		472238													472238
		U Total				483806													483806
		STK	STK400	457.2* 12.7		4052													4052
				355.6* 7.9		1284													1284
				165.2* 4.5						1260									1260
		STK Total				5336				1260									6596
		RB	SS400	22 φ														822	822
				19 φ		332													332
				16 φ		24													24
				13 φ		8	312												320
			SS400 Total			364	312											822	1498
			SD295	25 φ						1260									1260
		RB Total				364	312			1260								822	2758
		EXP	XG11	1035															72
				580														7536	7536

EXP Total																	7608	7608	
CHPL	SS400	450* 3.2															16	16	
Processed Weight Total			4453937	148360	98296	11146	9020	20	23966	65344	13720	408	2937	15800	96202	3794	37328	4980278	
I	SS400	300*150*11.5*22															69976	69976	
ANCB	S35C	M110																9240	
		M 65																4660	
	S35C Total																	13900	
	S45CN	M 64																2580	
ANCB Total																		16480	
TCB	S10T	M 22	976	57260	40988	4414												204	
		M 16																	310
TCB Total			976	57260	40988	4414												204	
HTB	F10T	M 22																432	
BN	SS400	M 16											194	812				6	
		M 12	8	312														102	
	SS400 Total		8	312															102
	SUS304	M 16	176																194
BN Total			184	312														102	
BOLT	SS400	M 20	392																
	S35C	M 46																	
BOLT Total			392																
NUT	SS400	M 20	191																
	S35C	M105																	1212
		M 64																	512
		M 45																	104
	S35C Total																		1724
S45CN	M 64																	304	
NUT Total			191															2028	
WASH	SS400	M 10																102	
UB	SS400	M10(15C)																102	
WPIN	SUS304	5 φ * 32	8																
PLWS	SS400	210 φ * 108 (φ)																	704
		140 φ * 80 (φ)																	1036
		128 φ * 68 (φ)																	408
PLWS Total																		2148	
INUT	SS400	20	784																
Chain	SUS304	5*18*42*250																	140
Parts Weight Total			2535	58004	40988	4414			20656	204	104	140	306	194	812		70286	758	199401
Total			4456472	206364	139284	15560	9020		20676	24170	65448	13860	714	3131	16612	96202	74080	38086	5179679

Bago Bridge

(Unit : Nos.)

Category	Material	Section	Main Girder	Main Girder Trans. Joint	Main Girder Longi. Joint	Main Girder Hor. Joint	Anchor Bolt	Anchor Frame	Pedestal Frame	Slab Drain	Cable Rack	Water Pipe	Rail	Inspection Way	Total	
ANCB	S35C	M110					40								40	
		M 65					64								64	
	S35C Total						104								104	
	S45CN	M 64					32								32	
ANCB Total							136								136	
TCB	S10T	M 22* 130				2928									2928	
		M 22* 110				3664									3664	
		M 22* 95		7200												7200
		M 22* 90				240			72							312
		M 22* 85			44464	128			288							44880
		M 22* 80			1248											1248
		M 22* 75			3040	128										3168
		M 22* 70			48384	17024										65408
		M 22* 65		1952	416	62664										65032
M 16* 85													1240	1240		
TCB Total			1952	104752	80184	6592		360					1240		195080	
HTB	F10T	M 22* 80				80									80	
		M 22* 75				768									768	
HTB Total					848										848	
BN	SS400	M 16* 70										1568			1568	
		M 16* 50										1752			1752	
		M 16* 45									776	1552		32	2360	
		M 16* 40									388			12	400	
		M 12* 55		32											32	
		M 12* 40												2840	2840	
		M 12* 35			2912						204			328	3444	
	SS400 Total			32	2912					204	1164	4872		3212	12396	
	SUS304	M 16* 60		936												936
		M 16* 50		96												96
M 16* 40			32												32	
SUS304 Total			1064												1064	
BN Total			1096	2912					204	1164	4872		3212		13460	
BOLT	SS400	M 20* 65	1960												1960	
	S35C	M 46*1100							32						32	
BOLT Total			1960						32						1992	
UB	SS400	M10(15C)								102					102	
PLWS	SS400	210 φ * 108 (φ)					160								160	
		140 φ * 80 (φ)					128								128	
		128 φ * 68 (φ)					256								256	
PLWS Total							544							544		
INUT	SS400	20	1960												1960	
Total			6968	108512	80184	6592	680	360	32	306	1164	4872	1240	3212	214122	

Plating Weight Summray

(Unit : kg)

Category	Material	Section	HDZ35	HDZ55	Total
PL	SM400C-H	110		9720	9720
		85		4040	4040
	SM400C-H Total			13760	13760
	SM400A	12		4024	4024
		9		172	172
	SM400A Total			4196	4196
	SS400	25		3136	3136
		22		288	288
		6		204	204
	SS400 Total			3628	3628
PL Total				21584	21584
FB	SS400	75* 6		1660	1660
		50* 6		1450	1450
		50* 4.5		30	30
FB Total				3140	3140
L	SS400	100* 100* 10		4872	4872
		75* 75* 6		4565	4565
		50* 50* 6		3792	3792
L Total				13229	13229
H	SS400	100*100*6*8		5902	5902
CH	SS400	75*40*5*7		12586	12586
STK	STK400	165.2* 4.5	1260		1260
RB	SS400	22 φ		822	822
	SD295	25 φ		1260	1260
RB Total				2082	2082
EXP	XG11	1035	72		72
		580	7536		7536
EXP Total			7608		7608
CHPL	SS400	450* 3.2	16		16
BN	SS400	M 16	1012		1012
		M 12	1174		1174
BN Total			2186		2186
BOLT	S35C	M 46			
NUT	S35C	M 45	104		104
WASH	SS400	M 10	102		102
UB	SS400	M10(15C)	102		102
Total			11378	58523	69901

Weight for each Blocks

Main Girder

(Unit : kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
BLK-1	LB1-YSJ1	3246	115	90	0	3451
	YSJ1-YSJ2	4149	129	178	0	4456
	YSJ2-YSJ4	16206	647	625	0	17478
	YSJ4-YSJ5	11559	593	0	0	12152
	YSJ5-YSJ7	16172	647	625	0	17444
	YSJ7-YSJ8	4149	129	178	0	4456
	YSJ8-RB1	3246	115	90	0	3451
BLK-2	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13129	410	663	0	14202
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18567	591	0	0	19158
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13095	410	663	0	14168
	YSJ7-YSJ8	5427	129	225	0	5781
YSJ8-RB1	4566	115	140	0	4821	
BLK-3	LB1-YSJ1	4928	115	140	0	5183
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13494	410	663	0	14567
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18464	591	0	0	19055
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13460	410	663	0	14533
	YSJ7-YSJ8	5427	129	225	0	5781
YSJ8-RB1	4928	115	140	0	5183	
BLK-4	LB1-YSJ1	4989	115	140	0	5244
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13099	410	663	0	14172
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18389	591	0	0	18980
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13065	410	663	0	14138
	YSJ7-YSJ8	5427	129	225	0	5781
YSJ8-RB1	4989	115	140	0	5244	
BLK-5	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13099	410	663	0	14172
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18091	591	0	0	18682
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13065	410	663	0	14138
	YSJ7-YSJ8	5427	129	225	0	5781
YSJ8-RB1	4566	115	140	0	4821	
BLK-6	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13494	416	663	0	14573
	YSJ3-YSJ4	8390	244	635	0	9269
	YSJ4-YSJ5(6.0m)	18005	591	0	0	18596
	YSJ4-YSJ5(3.0m)	6392	605	0	0	6997
	YSJ5-YSJ6	8390	244	635	0	9269
	YSJ6-YSJ7	13460	416	663	0	14539
	YSJ7-YSJ8	5427	129	225	0	5781
YSJ8-RB1	4566	115	140	0	4821	
BLK-7	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	12833	410	663	0	13906
	YSJ3-YSJ4	7985	237	635	0	8857
	YSJ4-YSJ5(6.0m)	16331	602	0	0	16933
	YSJ4-YSJ5(3.0m)	6151	593	0	0	6744
	YSJ5-YSJ6	7985	237	635	0	8857
YSJ6-YSJ7	12799	410	663	0	13872	

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
BLK-8	LB1-YSJ1	4989	115	140	0	5244
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	12833	410	663	0	13906
	YSJ3-YSJ4	7985	237	635	0	8857
	YSJ4-YSJ5(6.0m)	16234	591	0	0	16825
	YSJ4-YSJ5(3.0m)	6151	593	0	0	6744
	YSJ5-YSJ6	7985	237	635	0	8857
	YSJ6-YSJ7	12799	410	663	0	13872
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4989	115	140	0	5244
BLK-9	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13228	410	663	0	14301
	YSJ3-YSJ4	7985	237	635	0	8857
	YSJ4-YSJ5(6.0m)	16135	591	0	0	16726
	YSJ4-YSJ5(3.0m)	6151	593	0	0	6744
	YSJ5-YSJ6	7985	237	635	0	8857
	YSJ6-YSJ7	13194	410	663	0	14267
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
BLK-10	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	12833	410	663	0	13906
	YSJ3-YSJ4	7985	237	635	0	8857
	YSJ4-YSJ5(6.0m)	16533	591	0	0	17124
	YSJ4-YSJ5(3.0m)	6151	593	0	0	6744
	YSJ5-YSJ6	7985	237	635	0	8857
	YSJ6-YSJ7	12799	410	663	0	13872
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
BLK-11	LB1-YSJ1	5148	115	140	0	5403
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	12833	410	663	0	13906
	YSJ3-YSJ4	7985	237	635	0	8857
	YSJ4-YSJ5(6.0m)	16397	591	0	0	16988
	YSJ4-YSJ5(3.0m)	5928	593	0	0	6521
	YSJ5-YSJ6	7985	237	635	0	8857
	YSJ6-YSJ7	12799	410	663	0	13872
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	5148	115	140	0	5403
BLK-12	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13197	434	663	0	14294
	YSJ3-YSJ4	7985	251	636	0	8872
	YSJ4-YSJ5	18751	635	0	0	19386
	YSJ5-YSJ6	7985	251	636	0	8872
	YSJ6-YSJ7	13197	434	663	0	14294
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
	BLK-13	LB1-YSJ1	4119	115	140	0	4374
YSJ1-YSJ2		4427	129	225	0	4781
YSJ2-YSJ3		11684	572	591	0	12847
YSJ3-YSJ4		7292	277	567	0	8136
YSJ4-YSJ5		19668	1055	0	0	20723
YSJ5-YSJ6		7292	277	567	0	8136
YSJ6-YSJ7		11684	572	591	0	12847
YSJ7-YSJ8		4427	129	225	0	4781
YSJ8-RB1		4119	115	140	0	4374
BLK-14		LB1-YSJ1	2956	115	70	0	3141
	YSJ1-YSJ2	4138	129	17	0	4284
	YSJ2-YSJ3	16468	572	298	0	17338
	YSJ3-YSJ4	7331	277	298	0	7906
	YSJ4-YSJ5(UPPER)	20399	1055	0	5573	27027
	YSJ4-YSJ5(LOWER)	24566	0	0	0	24566
	YSJ5-YSJ6	7331	277	298	0	7906
	YSJ6-YSJ7	16434	572	298	0	17304

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
	YSJ7-YSJ8	4138	129	17	0	4284
	YSJ8-RB1	2956	115	70	0	3141
BLK-15	LB1-YSJ1	3704	115	140	0	3959
	YSJ1-YSJ2	4427	129	225	0	4781
	YSJ2-YSJ3	11684	434	588	0	12706
	YSJ3-YSJ4	7293	251	564	0	8108
	YSJ4-YSJ5	19668	635	0	0	20303
	YSJ5-YSJ6	7293	251	564	0	8108
	YSJ6-YSJ7	11684	434	588	0	12706
	YSJ7-YSJ8	4427	129	225	0	4781
	YSJ8-RB1	3704	115	140	0	3959
BLK-16	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13197	398	663	0	14258
	YSJ3-YSJ4	7985	235	636	0	8856
	YSJ4-YSJ5	18761	604	0	0	19365
	YSJ5-YSJ6	7985	235	636	0	8856
	YSJ6-YSJ7	13197	398	663	0	14258
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
BLK-17	LB1-YSJ1	4566	115	0	0	4681
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16387	469	0	0	16856
	YSJ4-YSJ5(3.0m)	5919	604	0	0	6523
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
YSJ8-RB1	4566	115	0	0	4681	
BLK-18	LB1-YSJ1	5209	115	0	0	5324
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16501	469	0	0	16970
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
YSJ8-RB1	5209	115	0	0	5324	
BLK-19	LB1-YSJ1	4566	115	0	0	4681
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	13228	398	0	0	13626
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16139	469	0	0	16608
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
YSJ8-RB1	4566	115	0	0	4681	
BLK-20	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16230	469	0	0	16699
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
YSJ8-RB1	4786	115	0	0	4901	
BLK-21	LB1-YSJ1	4928	115	0	0	5043
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16317	469	0	0	16786
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
YSJ6-YSJ7	12799	398	0	0	13197	

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4928	115	0	0	5043
BLK-22	LB1-YSJ1	5209	115	0	0	5324
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	13228	398	0	0	13626
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17513	469	0	0	17982
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	5209	115	0	0	5324
BLK-23	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17606	469	0	0	18075
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
BLK-24	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17908	469	0	0	18377
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
BLK-25	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	13228	398	0	0	13626
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17982	469	0	0	18451
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
BLK-26	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	13228	398	0	0	13626
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	18060	469	0	0	18529
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
BLK-27	LB1-YSJ1	4333	0	0	0	4333
	YSJ1-YSJ2	3897	0	0	0	3897
	YSJ2-YSJ3	9274	0	0	0	9274
	YSJ3-YSJ4	5830	0	0	0	5830
	YSJ4-YSJ5	13571	0	0	0	13571
	YSJ5-YSJ6	5830	0	0	0	5830
	YSJ6-YSJ7	9240	0	0	0	9240
	YSJ7-YSJ8	3897	0	0	0	3897
	YSJ8-RB1	4333	0	0	0	4333
	BLK-28	LB1-YSJ1	4786	115	0	0	4901
YSJ1-YSJ2		5427	129	0	0	5556
YSJ2-YSJ3		13228	398	0	0	13626
YSJ3-YSJ4		7985	235	0	0	8220
YSJ4-YSJ5(6.0m)		18060	469	0	0	18529
YSJ4-YSJ5(3.0m)		6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
BLK-29	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	13228	398	0	0	13626
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17982	469	0	0	18451
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
BLK-30	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17908	469	0	0	18377
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
BLK-31	YSJ8-RB1	4786	115	0	0	4901
	LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17606	469	0	0	18075
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
BLK-32	LB1-YSJ1	5209	115	0	0	5324
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	13228	398	0	0	13626
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	17513	469	0	0	17982
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	5209	115	0	0	5324
	BLK-33	LB1-YSJ1	4928	115	0	0	5043
YSJ1-YSJ2		5427	129	0	0	5556
YSJ2-YSJ3		12833	398	0	0	13231
YSJ3-YSJ4		7985	235	0	0	8220
YSJ4-YSJ5(6.0m)		16317	469	0	0	16786
YSJ4-YSJ5(3.0m)		6142	604	0	0	6746
YSJ5-YSJ6		7985	235	0	0	8220
YSJ6-YSJ7		12799	398	0	0	13197
YSJ7-YSJ8		5427	129	0	0	5556
YSJ8-RB1		4928	115	0	0	5043
BLK-34		LB1-YSJ1	4786	115	0	0	4901
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16230	469	0	0	16699
	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4786	115	0	0	4901
	BLK-35	LB1-YSJ1	4566	115	0	0	4681
YSJ1-YSJ2		5427	129	0	0	5556
YSJ2-YSJ3		13228	398	0	0	13626
YSJ3-YSJ4		7985	235	0	0	8220
YSJ4-YSJ5(6.0m)		16139	469	0	0	16608

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
BLK-36	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	13194	398	0	0	13592
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4566	115	0	0	4681
	LB1-YSJ1	5209	115	0	0	5324
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16501	469	0	0	16970
BLK-37	YSJ4-YSJ5(3.0m)	6142	604	0	0	6746
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	5209	115	0	0	5324
	LB1-YSJ1	4566	115	0	0	4681
	YSJ1-YSJ2	5427	129	0	0	5556
	YSJ2-YSJ3	12833	398	0	0	13231
	YSJ3-YSJ4	7985	235	0	0	8220
	YSJ4-YSJ5(6.0m)	16387	469	0	0	16856
BLK-38	YSJ4-YSJ5(3.0m)	5919	604	0	0	6523
	YSJ5-YSJ6	7985	235	0	0	8220
	YSJ6-YSJ7	12799	398	0	0	13197
	YSJ7-YSJ8	5427	129	0	0	5556
	YSJ8-RB1	4566	115	0	0	4681
	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13197	398	663	0	14258
	YSJ3-YSJ4	7985	235	636	0	8856
	YSJ4-YSJ5	18761	604	0	0	19365
BLK-39	YSJ5-YSJ6	7985	235	636	0	8856
	YSJ6-YSJ7	13197	398	663	0	14258
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
	LB1-YSJ1	3704	115	140	0	3959
	YSJ1-YSJ2	4427	129	225	0	4781
	YSJ2-YSJ3	11684	434	588	0	12706
	YSJ3-YSJ4	7293	251	564	0	8108
	YSJ4-YSJ5	19668	635	0	0	20303
	YSJ5-YSJ6	7293	251	564	0	8108
BLK-40	YSJ6-YSJ7	11684	434	588	0	12706
	YSJ7-YSJ8	4427	129	225	0	4781
	YSJ8-RB1	3704	115	140	0	3959
	LB1-YSJ1	2956	115	70	0	3141
	YSJ1-YSJ2	4138	129	17	0	4284
	YSJ2-YSJ3	16468	572	298	0	17338
	YSJ3-YSJ4	7331	277	298	0	7906
	YSJ4-YSJ5(UPPER)	20399	1055	0	5573	27027
	YSJ4-YSJ5(LOWER)	24566	0	0	0	24566
	YSJ5-YSJ6	7331	277	298	0	7906
BLK-41	YSJ6-YSJ7	16434	572	298	0	17304
	YSJ7-YSJ8	4138	129	17	0	4284
	YSJ8-RB1	2956	115	70	0	3141
	LB1-YSJ1	4119	115	140	0	4374
	YSJ1-YSJ2	4427	129	225	0	4781
	YSJ2-YSJ3	11684	572	591	0	12847
	YSJ3-YSJ4	7292	277	567	0	8136
	YSJ4-YSJ5	19668	1055	0	0	20723
	YSJ5-YSJ6	7292	277	567	0	8136
	YSJ6-YSJ7	11684	572	591	0	12847
BLK-42	YSJ7-YSJ8	4427	129	225	0	4781
	YSJ8-RB1	4119	115	140	0	4374
	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13197	434	663	0	14294
	YSJ3-YSJ4	7985	251	636	0	8872
YSJ4-YSJ5	18751	635	0	0	19386	
YSJ5-YSJ6	7985	251	636	0	8872	

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight	
BLK-43	YSJ6-YSJ7	13197	434	663	0	14294	
	YSJ7-YSJ8	5427	129	225	0	5781	
	YSJ8-RB1	4566	115	140	0	4821	
	LB1-YSJ1	5148	115	140	0	5403	
	YSJ1-YSJ2	5427	129	225	0	5781	
	YSJ2-YSJ3	12833	410	663	0	13906	
	YSJ3-YSJ4	7985	237	635	0	8857	
	YSJ4-YSJ5(6.0m)	16397	591	0	0	16988	
	YSJ4-YSJ5(3.0m)	5928	593	0	0	6521	
	YSJ5-YSJ6	7985	237	635	0	8857	
	YSJ6-YSJ7	12799	410	663	0	13872	
	YSJ7-YSJ8	5427	129	225	0	5781	
BLK-44	YSJ8-RB1	5148	115	140	0	5403	
	LB1-YSJ1	4566	115	140	0	4821	
	YSJ1-YSJ2	5427	129	225	0	5781	
	YSJ2-YSJ3	12833	410	663	0	13906	
	YSJ3-YSJ4	7985	237	635	0	8857	
	YSJ4-YSJ5(6.0m)	16533	591	0	0	17124	
	YSJ4-YSJ5(3.0m)	6151	593	0	0	6744	
	YSJ5-YSJ6	7985	237	635	0	8857	
	YSJ6-YSJ7	12799	410	663	0	13872	
	YSJ7-YSJ8	5427	129	225	0	5781	
	YSJ8-RB1	4566	115	140	0	4821	
	BLK-45	LB1-YSJ1	4566	115	140	0	4821
YSJ1-YSJ2		5427	129	225	0	5781	
YSJ2-YSJ3		13228	410	663	0	14301	
YSJ3-YSJ4		7985	237	635	0	8857	
YSJ4-YSJ5(6.0m)		16135	591	0	0	16726	
YSJ4-YSJ5(3.0m)		6151	593	0	0	6744	
YSJ5-YSJ6		7985	237	635	0	8857	
YSJ6-YSJ7		13194	410	663	0	14267	
YSJ7-YSJ8		5427	129	225	0	5781	
YSJ8-RB1		4566	115	140	0	4821	
BLK-46		LB1-YSJ1	4989	115	140	0	5244
		YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	12833	410	663	0	13906	
	YSJ3-YSJ4	7985	237	635	0	8857	
	YSJ4-YSJ5(6.0m)	16234	591	0	0	16825	
	YSJ4-YSJ5(3.0m)	6151	593	0	0	6744	
	YSJ5-YSJ6	7985	237	635	0	8857	
	YSJ6-YSJ7	12799	410	663	0	13872	
	YSJ7-YSJ8	5427	129	225	0	5781	
	YSJ8-RB1	4989	115	140	0	5244	
	BLK-47	LB1-YSJ1	4566	115	140	0	4821
		YSJ1-YSJ2	5427	129	225	0	5781
YSJ2-YSJ3		12833	410	663	0	13906	
YSJ3-YSJ4		7985	237	635	0	8857	
YSJ4-YSJ5(6.0m)		16331	602	0	0	16933	
YSJ4-YSJ5(3.0m)		6151	593	0	0	6744	
YSJ5-YSJ6		7985	237	635	0	8857	
YSJ6-YSJ7		12799	410	663	0	13872	
YSJ7-YSJ8		5427	129	225	0	5781	
YSJ8-RB1		4566	115	140	0	4821	
BLK-48		LB1-YSJ1	4566	115	140	0	4821
		YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13494	416	663	0	14573	
	YSJ3-YSJ4	8390	244	635	0	9269	
	YSJ4-YSJ5(6.0m)	18005	591	0	0	18596	
	YSJ4-YSJ5(3.0m)	6392	605	0	0	6997	
	YSJ5-YSJ6	8390	244	635	0	9269	
	YSJ6-YSJ7	13460	416	663	0	14539	
	YSJ7-YSJ8	5427	129	225	0	5781	
	YSJ8-RB1	4566	115	140	0	4821	
	BLK-49	LB1-YSJ1	4566	115	140	0	4821
		YSJ1-YSJ2	5427	129	225	0	5781
YSJ2-YSJ3		13099	410	663	0	14172	
YSJ3-YSJ4		8390	237	635	0	9262	
YSJ4-YSJ5(6.0m)		18091	591	0	0	18682	

(Unit: kg)

		Main	Trans. Joint	Longi. Joint	Horizontal Joint	Processed Weight
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13065	410	663	0	14138
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
BLK-50	LB1-YSJ1	4989	115	140	0	5244
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13099	410	663	0	14172
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18389	591	0	0	18980
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13065	410	663	0	14138
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4989	115	140	0	5244
BLK-51	LB1-YSJ1	4928	115	140	0	5183
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13494	410	663	0	14567
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18464	591	0	0	19055
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13460	410	663	0	14533
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4928	115	140	0	5183
BLK-52	LB1-YSJ1	4566	115	140	0	4821
	YSJ1-YSJ2	5427	129	225	0	5781
	YSJ2-YSJ3	13129	410	663	0	14202
	YSJ3-YSJ4	8390	237	635	0	9262
	YSJ4-YSJ5(6.0m)	18567	591	0	0	19158
	YSJ4-YSJ5(3.0m)	6392	593	0	0	6985
	YSJ5-YSJ6	8390	237	635	0	9262
	YSJ6-YSJ7	13095	410	663	0	14168
	YSJ7-YSJ8	5427	129	225	0	5781
	YSJ8-RB1	4566	115	140	0	4821
BLK-53	LB1-YSJ1	3246	115	90	0	3451
	YSJ1-YSJ2	4149	129	178	0	4456
	YSJ2-YSJ4	16206	647	625	0	17478
	YSJ4-YSJ5	11559	593	0	0	12152
	YSJ5-YSJ7	16172	647	625	0	17444
	YSJ7-YSJ8	4149	129	178	0	4456
	YSJ8-RB1	3246	115	90	0	3451
Total						4711739

2. Quantities Calculation

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder BLK-1(BLK-53) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	2205	125.6	535	535	SM400A		Large	
1	DECK-O	PL	1930* 16	815	125.6	198	198	SM400A		Large	
1	RIB-O	PL	700* 24	2935	188.4	387	387	SM400A		Small	
2	URIB-O	U	320* 240* 8	925	42.30	39.1	78	SM400A		Small	
2	URIB-O	U	320* 240* 8	188	42.30	7.95	16	SM400A		Small	
4	RIB-O	PL	700* 24	2000	188.4	264	1056	SM400A		Small	
2		PL	296* 9	320	70.65	6.69	13	SM400A		Small	
2	BACK	FB	50* 6	684	2.360	1.61	3	SS400		Small	
2	BACK	FB	50* 6	226	2.360	0.533	1	SS400		Small	
5	DE-F	PL	100* 10	1223	78.50	9.60	48	SM400A		Small	
1		PL	342* 6	2190	47.10	35.3	35	SM400A		Small	
1	DE-END	PL	434* 9	1896	70.65	58.1	58	SM400A		Small	
1	ST-W	PL	836* 9	2985	70.65	176	176	SM400A		Small	
1	ST-F	PL	100* 10	3068	78.50	24.1	24	SM400A		Small	
1	BR-W	PL	692* 10	1899	78.50	103	103	SM490YA		Small	
1	BR-F	PL	370* 15	1803	117.8	78.6	79	SM490YA		Small	
1	BR-STF	PL	100* 9	544	70.65	3.84	4	SM400A		Small	
1	BR-W	PL	692* 10	1899	78.50	103	103	SM490YA		Small	
1	BR-F	PL	370* 15	1803	117.8	78.6	79	SM490YA		Small	
1	BR-STF	PL	100* 9	544	70.65	3.84	4	SM400A		Small	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)	3246 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	12984 kg			

Bago Bridge Main Girder BLK-1(BLK-53) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	2205	125.6	709	709	SM400A		Large	
1	DECK-O	PL	2560* 16	815	125.6	262	262	SM400A		Large	
4	URIB-O	U	320* 240* 8	925	42.30	39.1	156	SM400A		Small	
8	RIB-O	PL	700* 24	2000	188.4	264	2112	SM400A		Small	
4		PL	296* 9	320	70.65	6.69	27	SM400A		Small	
4	BACK	FB	50* 6	684	2.360	1.61	6	SS400		Small	
4	BACK	FB	50* 6	226	2.360	0.533	2	SS400		Small	
8	DE-F	PL	100* 10	1223	78.50	9.60	77	SM400A		Small	
1	DE-END	PL	434* 9	2555	70.65	78.4	78	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	BR-W	PL	1167* 10	2555	78.50	234	234	SM490YA	Small		
1	BR-F	PL	370* 15	2590	117.8	113	113	SM490YA	Small		
1	BR-STF	PL	100* 9	785	70.65	5.55	6	SM400A	Small		
1	BR-STF	PL	100* 9	1026	70.65	7.25	7	SM400A	Small		
1	BR-W	PL	1167* 10	2555	78.50	234	234	SM490YA	Small		
1	BR-F	PL	370* 15	2590	117.8	113	113	SM490YA	Small		
1	BR-STF	PL	100* 9	785	70.65	5.55	6	SM400A	Small		
1	BR-STF	PL	100* 9	1026	70.65	7.25	7	SM400A	Small		
YSJ1-YSJ2(YSJ7-YSJ8)							4149 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							16596 kg				

Bago Bridge Main Girder BLK-1(BLK-53) YSJ2-YSJ4(YSJ5-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	5275* 16	2205	125.6	1461	1461	SM400A		Large	
1	DECK-IO	PL	5275* 16	815	125.6	540	540	SM400A		Large	
2	RIB-O	PL	700* 24	2935	188.4	387	774	SM400A		Small	
7	URIB-I	U	320* 240* 8	925	42.30	39.1	274	SM400A		Small	
12	RIB-I	PL	700* 24	2000	188.4	264	3168	SM400A		Small	
6		PL	296* 9	320	70.65	6.69	40	SM400A		Small	
6	BACK	FB	50* 6	684	2.360	1.61	10	SS400		Small	
6	BACK	FB	50* 6	226	2.360	0.533	3	SS400		Small	
14	DE-F	PL	100* 10	1223	78.50	9.60	134	SM400A		Small	
1	DE-END	PL	434* 9	719	70.65	22.0	22	SM400A		Small	
1	DE-END	PL	434* 9	4535	70.65	139	139	SM400A		Small	
5	RIB	PL	260* 22	163	172.7	7.32	37	SM400A		Small	
45	RIB	PL	260* 22	226	172.7	10.1	454	SM400A		Small	
3	RIB	PL	260* 22	530	172.7	23.8	71	SM400A		Small	
5	RIB	PL	260* 22	156	172.7	7.00	35	SM400A		Small	
5	RIB	PL	260* 22	153	172.7	6.87	34	SM400A		Small	
1	BR-W	PL	1473* 10	1757	78.50	203	203	SM490YA		Small	
1	BR-F	PL	370* 15	1781	117.8	77.6	78	SM490YA		Small	
1	BR-W	PL	1412* 10	1387	78.50	154	154	SM490YA		Small	
1	BR-F	PL	370* 15	1406	117.8	61.3	61	SM490YA		Small	
1	LWEB	PL	2200* 14	4538	109.9	1097	1097	SM490YA		Small	
1	HSTF	PL	140* 12	1403	94.20	18.5	18	SM400A		Small	
2	HSTF	PL	140* 12	1251	94.20	16.5	33	SM400A		Small	
2	HSTF	PL	140* 12	601	94.20	7.93	16	SM400A		Small	
1	VSTF	PL	160* 14	2182	109.9	38.4	38	SM400A		Small	
1	DOUBLE	PL	700* 28	1000	219.8	154	154	SM490YB		Small	
1	RING	PL	100* 10	1615	78.50	12.7	13	SM490YA		Small	
1		PL	324* 15	630	117.8	24.0	24	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	RWEB	PL	2650* 14	4538	109.9	1322	1322	SM490YA	Small		
1	HSTF	PL	140* 12	1603	94.20	21.1	21	SM400A	Small		
1	HSTF	PL	140* 12	492	94.20	6.49	6	SM400A	Small		
2	HSTF	PL	140* 12	1251	94.20	16.5	33	SM400A	Small		
2	HSTF	PL	140* 12	601	94.20	7.93	16	SM400A	Small		
1	VSTF	PL	160* 14	2632	109.9	46.3	46	SM400A	Small		
1	DOUBLE	PL	630* 28	930	219.8	129	129	SM490YB	Small		
1	RING	PL	100* 10	1615	78.50	12.7	13	SM490YA	Small		
2		PL	178* 15	1000	117.8	21.0	42	SM490YA	Small		
1	WEB-O	PL	484* 14	2990	109.9	159	159	SM490YA	Large		
1	WEB-O	PL	2560* 14	2990	109.9	841	841	SM490YA	Large		
4	HSTF	PL	160* 16	1930	125.6	38.8	155	SM490YA	Small		
5	HSTF	PL	160* 16	886	125.6	17.8	89	SM490YA	Small		
1	LFLG-IO	PL	3165* 14	2990	109.9	1040	1040	SM490YA	Large		
6	LF-RIB	PL	160* 16	886	125.6	17.8	107	SM490YA	Small		
4	LF-RIB	PL	160* 16	2183	125.6	43.9	176	SM490YA	Small		
1	DOUBLE	PL	980* 14	1440	109.9	155	155	SM490YA	Small		
1	DIA	PL	2000* 22	2593	172.7	896	896	SM490YB	Small		
1	DIA	PL	2000* 22	2605	172.7	900	900	SM490YB	Small		
2	DOUBLE	PL	630* 44	930	345.4	202	404	SM520C-H	Small		
1		PL	480* 9	680	70.65	23.1	23	SM400A	Small	ME1	
1		PL	700* 28	1000	219.8	154	154	SM490YB	Small	ME1	
3		RB	19 ϕ	600	2.230	1.34	4	SS400	Small	ME1	
2		PL	229* 9	400	70.65	6.47	13	SM400A	Small	ME1	
2		PL	80* 9	110	70.65	0.622	1	SM400A	Small	ME1	
1		RB	13 ϕ	270	1.040	0.281	1	SS400	Small	ME1	
4		BN	M 12* 55			0.091	1	SS400	Purchase	ME1 plating	
2		WPIN	5 ϕ * 32			0.00561	1	SUS304	Purchase	ME1	
1		PL	630* 28	930	219.8	129	129	SM490YB	Small	MP1	
4		RB	19 ϕ	600	2.230	1.34	5	SS400	Small	MP1	
1		PL	630* 44	930	345.4	202	202	SM520C-H	Small	MP3	
4		RB	19 ϕ	600	2.230	1.34	5	SS400	Small	MP3	
							YSJ2-YSJ4(YSJ5-YSJ7)	16174 kg			
							4@ YSJ2-YSJ4(YSJ5-YSJ7)	64696 kg			

Bago Bridge Main Girder BLK-1(BLK-53) YSJ4-YSJ5											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	2205	125.6	944	944	SM400A		Large	
1	DECK-I	PL	3410* 16	815	125.6	349	349	SM400A		Large	
2	RIB-I	PL	700* 24	2935	188.4	387	774	SM400A		Small	
4	RIB-I	PL	700* 20	2935	157.0	322	1288	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

6	DE-F	PL	100* 10	1223	78.50	9.60	58	SM400A	Small		
2	DE-END	PL	434* 9	453	70.65	13.9	28	SM400A	Small		
1	DE-END	PL	434* 9	2472	70.65	75.8	76	SM400A	Small		
10	RIB	PL	260* 22	153	172.7	6.87	69	SM400A	Small		
10	RIB	PL	260* 22	168	172.7	7.54	75	SM400A	Small		
10	RIB	PL	260* 22	406	172.7	18.2	182	SM400A	Small		
15	RIB	PL	260* 22	410	172.7	18.4	276	SM400A	Small		
1	LWEB	PL	2234* 14	2472	109.9	607	607	SM490YA	Small		
2	LWEB	PL	2209* 14	453	109.9	110	220	SM490YA	Small		
1	HSTF	PL	140* 12	2402	94.20	31.7	32	SM400A	Small		
2	HSTF	PL	140* 12	530	94.20	6.99	14	SM400A	Small		
1	HSTF	PL	140* 12	1158	94.20	15.3	15	SM400A	Small		
1	RWEB	PL	2684* 14	2472	109.9	729	729	SM490YA	Small		
2	RWEB	PL	2659* 14	453	109.9	132	264	SM490YA	Small		
1	HSTF	PL	140* 12	2402	94.20	31.7	32	SM400A	Small		
2	HSTF	PL	140* 12	530	94.20	6.99	14	SM400A	Small		
1	HSTF	PL	140* 12	1158	94.20	15.3	15	SM400A	Small		
2	WEB-I	PL	2659* 14	2990	109.9	874	1748	SM490YA	Large		
2	LO-RIB	PL	160* 16	1165	125.6	23.4	47	SM490YA	Small		
4	LO-RIB	PL	160* 16	1930	125.6	38.8	155	SM490YA	Small		
2	LO-RIB	PL	160* 16	1230	125.6	24.7	49	SM490YA	Small		
2	LO-RIB	PL	160* 16	230	125.6	4.62	9	SM490YA	Small		
8	LO-RIB	PL	160* 16	886	125.6	17.8	142	SM490YA	Small		
2	DOUBLE	PL	630* 28	930	219.8	129	258	SM490YB	Small		
1	LFLG-I	PL	3410* 14	2990	109.9	1121	1121	SM490YA	Large		
6	LF-RIB	PL	160* 16	886	125.6	17.8	107	SM490YA	Small		
2	LF-RIB	PL	160* 16	3400	125.6	68.3	137	SM490YA	Small		
2	LF-RIB	PL	160* 16	3469	125.6	69.7	139	SM490YA	Small		
2	WEB	PL	800* 22	2000	172.7	276	552	SM400A	Small		
2	FLG	PL	150* 22	2000	172.7	51.8	104	SM400A	Small		
1	SOLE	PL	1200* 66	1250	518.1	661	661	SM490C-H	85	Small	
2		PL	630* 28	930	219.8	129	258	SM490YB		Small MP2	
8		RB	19 φ	600	2.230	1.34	11	SS400		Small MP2	
							YSJ4-YSJ5		11559 kg		
							2@ YSJ4-YSJ5		23118 kg		
							BLK-1(BLK-53)		117394 kg		

Bago Bridge Main Girder BLK-2(BLK-52) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	

Material Quantities Calculation

(Unit : mm,kg)

1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small		
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small		
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small		
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small		
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small		
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small		
1		PL	342* 6	9000	47.10	145	145	SS400		Small		
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small		
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small		
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small		
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small		
							LB1-YSJ1(YSJ8-RB1)					4566 kg
							4@ LB1-YSJ1(YSJ8-RB1)					18264 kg

Bago Bridge Main Girder BLK-2(BLK-52) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-2(BLK-52) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small	
1	LFLG-IO	PL	1255* 14	9000	109.9	1242	1242	SM490YA		Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA		Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT	20			0.383	6	SS400		Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)		13107 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		52428 kg		

Bago Bridge Main Girder BLK-2(BLK-52) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A	Large		
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A	Small		
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A	Small		
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A	Small		
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A	Small		
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A	Small		
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A	Small		
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A	Small		
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A	Small		
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA	Small		
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA	Small		
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A	Small		
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A	Small		
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A	Small		
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A	Small		
1	LFLG-I	PL	1910* 14	9000	109.9	1889	1889	SM490YA	Large		
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA	Small		
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small		
							YSJ3-YSJ4(YSJ5-YSJ6)	8390 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	33560 kg			

Bago Bridge Main Girder BLK-2(BLK-52) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	2105	125.6	230	230	SM400A		Small	
2	RIB	PL	220* 22	2472	172.7	93.9	188	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1603	139.0	223	223	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2

Material Quantities Calculation

(Unit : mm,kg)

8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400	Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T	Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A	Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A	Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A	Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D3
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D3
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D3
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D3
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D3
1	D-FLG	PL	150* 10	715	78.50	8.42	8	SM400A	Small	D3
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 14	6000	109.9	2249	2249	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C1
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C1
1	CAB-W	PL	2450* 25	2472	196.2	1188	1188	SM490YB	Small	C1
1	CAB-R	PL	200* 25	1770	196.2	69.5	70	SM490YB	Small	C1
1	CAB-W	PL	1480* 25	2472	196.2	718	718	SM490YB	Small	C1
1	CAB-R	PL	200* 25	1530	196.2	60.0	60	SM490YB	Small	C1
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C1
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C1
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C1 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	

Material Quantities Calculation

(Unit : mm,kg)

3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
6	HANG	NUT	M 20			0.065	1	SS400		Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
6	HANG	INUT		20		0.383	2	SS400		Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A		Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A		Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400		Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A		Small	MD2
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
YSJ4-YSJ5 6.0m							18592 kg				
2@ YSJ4-YSJ5 6.0m							37184 kg				

Bago Bridge Main Girder BLK-2(BLK-52) YSJ4-YSJ5 3.0m

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 14	3000	109.9	1124	1124	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400		Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400		Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT		20		0.383	2	SS400		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1
							YSJ4-YSJ5 3.0m		6397 kg	
							2@ YSJ4-YSJ5 3.0m		12794 kg	
							BLK-2(BLK-52)		175938 kg	

Bago Bridge Main Girder BLK-3(BLK-51) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
1	KR-DECK	PL	571* 16	1632	125.6	117	117	SM400A		Small	Channel Widening
1	KR-TOP	PL	391* 9	591	70.65	16.3	16	SM400A		Small	
1	KR-RIB	PL	183* 9	591	70.65	7.64	8	SM400A		Small	
2	KR-RIB	PL	217* 9	591	70.65	9.06	18	SM400A		Small	
3	KR-RIB	PL	369* 9	591	70.65	15.4	46	SM400A		Small	
1	KR-RIB	PL	367* 9	384	70.65	9.95	10	SM400A		Small	
2	KR-WEB	PL	388* 9	1471	70.65	40.3	81	SM400A		Small	
2	KR-FLG	PL	100* 10	1146	78.50	9.00	18	SM400A		Small	
2	KR-RIB	PL	182* 9	827	70.65	10.6	21	SM400A		Small	
1	KR-BASE	PL	450* 9	450	70.65	14.3	14	SM400A		Small	
1	KR-BASE	PL	400* 10	400	78.50	12.6	13	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

LB1-YSJ1(YSJ8-RB1)	4928 kg
4@ LB1-YSJ1(YSJ8-RB1)	19712 kg

Bago Bridge Main Girder BLK-3(BLK-51) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							5427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							21708 kg				

Bago Bridge Main Girder BLK-3(BLK-51) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 14	9000	109.9	1242	1242	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A	Small	MD1
1		PL	680* 9	880	70.65	42.3	42	SM400A	Small	MD1
1		PL	747* 8	780	62.80	36.6	37	SM400A	Small	MD1
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A	Small	MD1
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400	Small	MD1
32		TCB	M 22* 65			0.508	16	S10T	Purchase	MD1
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	13487 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	53948 kg		

Bago Bridge Main Girder BLK-3(BLK-51) YSJ3-YSJ4(YSJ5-YSJ6)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A	Small		
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A	Small		
1	LFLG-I	PL	1910* 14	9000	109.9	1889	1889	SM490YA	Large		
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA	Small		
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small		
YSJ3-YSJ4(YSJ5-YSJ6)							8390 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							33560 kg				

Bago Bridge Main Girder BLK-3(BLK-51) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1960	125.6	214	214	SM400A		Small	
2	RIB	PL	220* 22	2472	172.7	93.9	188	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1535	139.0	213	213	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400		Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T		Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A		Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A		Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A		Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D3
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D3
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D3

Material Quantities Calculation

(Unit : mm,kg)

3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D3
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D3
1	D-FLG	PL	150* 10	715	78.50	8.42	8	SM400A	Small	D3
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 14	6000	109.9	2249	2249	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C2
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C2
1	CAB-W	PL	2370* 25	2472	196.2	1150	1150	SM490YB	Small	C2
1	CAB-R	PL	200* 25	1800	196.2	70.6	71	SM490YB	Small	C2
1	CAB-W	PL	1460* 25	2472	196.2	708	708	SM490YB	Small	C2
1	CAB-R	PL	200* 25	1540	196.2	60.4	60	SM490YB	Small	C2
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C2
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C2
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C2 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
							YSJ4-YSJ5 6.0m		18488 kg	
							2@ YSJ4-YSJ5 6.0m		36976 kg	

Bago Bridge Main Girder BLK-3(BLK-51) YSJ4-YSJ5 3.0m

Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 14	3000	109.9	1124	1124	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400		Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400		Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT	20			0.383	2	SS400		Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A		Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA		Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400		Small	MW1
YSJ4-YSJ5 3.0m							6397 kg				
2@ YSJ4-YSJ5 3.0m							12794 kg				
BLK-3(BLK-51)							178698 kg				

Bago Bridge Main Girder BLK-4(BLK-50) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	

Material Quantities Calculation

(Unit : mm,kg)

1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A	Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A	Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A	Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A	Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A	Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A	Small	
1		PL	342* 6	9000	47.10	145	145	SS400	Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75 Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA	Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A	Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A	Hanger	
1	K-DECK	PL	550* 16	1717	125.6	119	119	SM400A	Small	Lighting
1	K-WEB	PL	384* 9	2144	70.65	58.2	58	SM400A	Small	
3	K-RIB	PL	369* 9	541	70.65	14.1	42	SM400A	Small	
2	K-RIB	PL	367* 9	384	70.65	9.95	20	SM400A	Small	
3	K-WEB	PL	388* 9	1471	70.65	40.3	121	SM400A	Small	
3	K-FLG	PL	100* 10	1146	78.50	9.00	27	SM400A	Small	
2	K-RIB	PL	359* 9	286	70.65	7.26	15	SM400A	Small	
1	K-BASE	PL	350* 22	350	172.7	21.2	21	SM400A	Small	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A	Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A	Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A	Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400	Small	
							LB1-YSJ1(YSJ8-RB1)		4989 kg	
							4@ LB1-YSJ1(YSJ8-RB1)		19956 kg	

Bago Bridge Main Girder BLK-4(BLK-50) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
							YSJ1-YSJ2(YSJ7-YSJ8)		5427 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		21708 kg		

Bago Bridge Main Girder BLK-4(BLK-50) YSJ2-YSJ3(YSJ6-YSJ7)										
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large		
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small		
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small		
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small		
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small		
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small		
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small		
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small		
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small		
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small		
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small		
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small		
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small		
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small		
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large		
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large		
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small		
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small		
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small		
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small		
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small		
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small		
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small		
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small		
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small		
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small		
1	LFLG-IO	PL	1255* 14	9000	109.9	1242	1242	SM490YA		Large		
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA		Small		
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small		
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small		
15	HANG	NUT	M 20			0.065	1	SS400		Purchase		
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase		
15	HANG	INUT	20			0.383	6	SS400		Purchase		
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH	
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH	
							13076 kg					
YSJ2-YSJ3(YSJ6-YSJ7)												

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ2-YSJ3(YSJ6-YSJ7)	52304 kg
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Bago Bridge Main Girder BLK-4(BLK-50) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 14	9000	109.9	1889	1889	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							8390 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							33560 kg				

Bago Bridge Main Girder BLK-4(BLK-50) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1920	125.6	210	210	SM400A		Small	
2	RIB	PL	220* 22	2472	172.7	93.9	188	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1462	139.0	203	203	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2

Material Quantities Calculation

(Unit : mm,kg)

2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A	Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A	Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A	Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A	Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400	Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T	Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A	Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A	Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A	Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D3
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D3
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D3
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D3
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D3
1	D-FLG	PL	150* 10	715	78.50	8.42	8	SM400A	Small	D3
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 14	6000	109.9	2249	2249	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C3
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C3
1	CAB-W	PL	2280* 25	2472	196.2	1106	1106	SM490YB	Small	C3
1	CAB-R	PL	200* 25	1830	196.2	71.8	72	SM490YB	Small	C3
1	CAB-W	PL	1420* 25	2472	196.2	689	689	SM490YB	Small	C3
1	CAB-R	PL	200* 25	1560	196.2	61.2	61	SM490YB	Small	C3
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C3

Material Quantities Calculation

(Unit : mm,kg)

4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C3	
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C3 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
							YSJ4-YSJ5 6.0m	18413 kg			
							2@ YSJ4-YSJ5 6.0m	36826 kg			

Bago Bridge Main Girder BLK-4(BLK-50) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 14	3000	109.9	1124	1124	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400		Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400		Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1	
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1	
YSJ4-YSJ5 3.0m							6397 kg				
2@ YSJ4-YSJ5 3.0m							12794 kg				
BLK-4(BLK-50)							177148 kg				

Bago Bridge Main Girder BLK-5(BLK-49) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
LB1-YSJ1(YSJ8-RB1)							4566 kg				
4@ LB1-YSJ1(YSJ8-RB1)							18264 kg				

Bago Bridge Main Girder BLK-5(BLK-49) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small			
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small			
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small			
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small			
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger			
								YSJ1-YSJ2(YSJ7-YSJ8)				5427 kg	
								4@ YSJ1-YSJ2(YSJ7-YSJ8)				21708 kg	

Bago Bridge Main Girder BLK-5(BLK-49) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small	
1	LFLG-IO	PL	1255* 14	9000	109.9	1242	1242	SM490YA		Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA		Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT		20		0.383	6	SS400		Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
YSJ2-YSJ3(YSJ6-YSJ7)							13076 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							52304 kg				

Bago Bridge Main Girder BLK-5(BLK-49) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 14	9000	109.9	1889	1889	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							8390 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							33560 kg				

Bago Bridge Main Girder BLK-5(BLK-49) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A	Small	
1	DOUBLE	PL	870* 16	1690	125.6	185	185	SM400A	Small	
1	PIPE	STK	457.2* 12.7	1383	139.0	192	192	STK400	Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A	Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40 Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A	Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A	Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A	Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A	Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A	Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A	Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400	Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T	Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A	Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A	Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A	Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 14	6000	109.9	2249	2249	SM490YA	Large	

Material Quantities Calculation

(Unit : mm,kg)

6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C4
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C4
1	CAB-W	PL	2180* 25	2472	196.2	1057	1057	SM490YB	Small	C4
1	CAB-R	PL	200* 25	1880	196.2	73.8	74	SM490YB	Small	C4
1	CAB-W	PL	1380* 25	2472	196.2	669	669	SM490YB	Small	C4
1	CAB-R	PL	200* 25	1590	196.2	62.4	62	SM490YB	Small	C4
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C4
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C4
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C4 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
YSJ4-YSJ5 6.0m							18115 kg			
2@ YSJ4-YSJ5 6.0m							36230 kg			

Bago Bridge Main Girder BLK-5(BLK-49) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 14	3000	109.9	1124	1124	SM490YA	Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1
							YSJ4-YSJ5 3.0m	6397 kg		
							2@ YSJ4-YSJ5 3.0m	12794 kg		
							BLK-5(BLK-49)	174860 kg		

Bago Bridge Main Girder BLK-6(BLK-48) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)	4566 kg			

Material Quantities Calculation

(Unit : mm,kg)

4@ LB1-YSJ1(YSJ8-RB1)	18264 kg
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Bago Bridge Main Girder BLK-6(BLK-48) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							5427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							21708 kg				

Bago Bridge Main Girder BLK-6(BLK-48) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small		
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small		
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small		
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small		
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small		
1	LFLG-IO	PL	1255* 14	9000	109.9	1242	1242	SM490YA	Large		
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small		
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small		
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small		
15	HANG	NUT	M 20			0.065	1	SS400	Purchase		
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase		
15	HANG	INUT	20			0.383	6	SS400	Purchase		
1		PL	1300* 16	1700	125.6	278	278	SM400A	Small	MD1	
1		PL	680* 9	880	70.65	42.3	42	SM400A	Small	MD1	
1		PL	747* 8	780	62.80	36.6	37	SM400A	Small	MD1	
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A	Small	MD1	
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400	Small	MD1	
32		TCB	M 22* 65			0.508	16	S10T	Purchase	MD1	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
							YSJ2-YSJ3(YSJ6-YSJ7)	13487 kg			
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	53948 kg			

Bago Bridge Main Girder BLK-6(BLK-48) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 14	9000	109.9	1889	1889	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
								YSJ3-YSJ4(YSJ5-YSJ6)		8390 kg	
								4@ YSJ3-YSJ4(YSJ5-YSJ6)		33560 kg	

Bago Bridge Main Girder BLK-6(BLK-48) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1590	125.6	174	174	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1296	139.0	180	180	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400		Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T		Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A		Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A		Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A		Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2

Material Quantities Calculation

(Unit : mm,kg)

2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2	
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2	
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2	
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2	
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2	
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2	
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2	
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large		
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 14	6000	109.9	2249	2249	SM490YA	Large		
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C5	
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C5	
1	CAB-W	PL	2080* 25	2472	196.2	1009	1009	SM490YB	Small	C5	
1	CAB-R	PL	200* 25	1940	196.2	76.1	76	SM490YB	Small	C5	
1	CAB-W	PL	1340* 25	2472	196.2	650	650	SM490YB	Small	C5	
1	CAB-R	PL	200* 25	1630	196.2	64.0	64	SM490YB	Small	C5	
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C5	
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C5	
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C5 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
							YSJ4-YSJ5 6.0m	18029 kg			
							2@ YSJ4-YSJ5 6.0m	36058 kg			

Bago Bridge Main Girder BLK-6(BLK-48) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	

Material Quantities Calculation

(Unit : mm,kg)

2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A	Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A	Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 14	3000	109.9	1124	1124	SM490YA	Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1
							YSJ4-YSJ5 3.0m		6397 kg	
							2@ YSJ4-YSJ5 3.0m		12794 kg	
							BLK-6(BLK-48)		176332 kg	

Bago Bridge Main Girder BLK-7(BLK-47) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small		
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small		
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small		
1		PL	342* 6	9000	47.10	145	145	SS400		Small		
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small		
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small		
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small		
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small		
							LB1-YSJ1(YSJ8-RB1)					4566 kg
							4@ LB1-YSJ1(YSJ8-RB1)					18264 kg

Bago Bridge Main Girder BLK-7(BLK-47) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-7(BLK-47) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A	Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A	Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA	Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA	Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A	Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A	Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A	Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA	Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA	Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A	Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA	Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)		12810 kg	
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		51240 kg	

Bago Bridge Main Girder BLK-7(BLK-47) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A	Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A	Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A	Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA	Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA	Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A	Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A	Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A	Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A	Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA	Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
							YSJ3-YSJ4(YSJ5-YSJ6)		7985 kg	
							4@ YSJ3-YSJ4(YSJ5-YSJ6)		31940 kg	

Bago Bridge Main Girder BLK-7(BLK-47) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	1180	125.6	101	101	SM400A		Small	
1	PIPE	STK	355.6* 7.9	1133	67.70	76.7	77	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2

Material Quantities Calculation

(Unit : mm,kg)

1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2	
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large		
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large		
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB	Small	C6	
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB	Small	C6	
1	CAB-W	PL	1780* 22	2472	172.7	760	760	SM490YB	Small	C6	
1	CAB-R	PL	200* 22	2090	172.7	72.2	72	SM490YB	Small	C6	
1	CAB-W	PL	1280* 22	2472	172.7	546	546	SM490YB	Small	C6	
1	CAB-R	PL	200* 22	1830	172.7	63.2	63	SM490YB	Small	C6	
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C6	
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C6	
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C6 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
							YSJ4-YSJ5 6.0m	16335 kg			
							2@ YSJ4-YSJ5 6.0m	32670 kg			

Bago Bridge Main Girder BLK-7(BLK-47) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1

Material Quantities Calculation

(Unit : mm,kg)

1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1
								YSJ4-YSJ5 3.0m	6156 kg	
								2@ YSJ4-YSJ5 3.0m	12312 kg	
								BLK-7(BLK-47)	168134 kg	

Bago Bridge Main Girder BLK-8(BLK-46) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A	Small			
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A	Hanger			
1	K-DECK	PL	550* 16	1717	125.6	119	119	SM400A	Small	Lighting		
1	K-WEB	PL	384* 9	2144	70.65	58.2	58	SM400A	Small			
3	K-RIB	PL	369* 9	541	70.65	14.1	42	SM400A	Small			
2	K-RIB	PL	367* 9	384	70.65	9.95	20	SM400A	Small			
3	K-WEB	PL	388* 9	1471	70.65	40.3	121	SM400A	Small			
3	K-FLG	PL	100* 10	1146	78.50	9.00	27	SM400A	Small			
2	K-RIB	PL	359* 9	286	70.65	7.26	15	SM400A	Small			
1	K-BASE	PL	350* 22	350	172.7	21.2	21	SM400A	Small			
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A	Small			
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A	Small			
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A	Small			
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400	Small			
							LB1-YSJ1(YSJ8-RB1)					4989 kg
							4@ LB1-YSJ1(YSJ8-RB1)					19956 kg

Bago Bridge Main Girder BLK-8(BLK-46) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-8(BLK-46) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA		Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA		Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT	20			0.383	6	SS400		Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	12810 kg			
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	51240 kg			

Bago Bridge Main Girder BLK-8(BLK-46) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A	Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A	Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A	Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A	Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A	Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA	Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA	Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A	Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A	Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A	Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A	Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA	Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7985 kg			
4@ YSJ3-YSJ4(YSJ5-YSJ6)							31940 kg			

Bago Bridge Main Girder BLK-8(BLK-46) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	1090	125.6	93.1	93	SM400A		Small	
1	PIPE	STK	355.6* 7.9	1043	67.70	70.6	71	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2

Material Quantities Calculation

(Unit : mm,kg)

1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB	Small	C7
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB	Small	C7
1	CAB-W	PL	1680* 22	2472	172.7	717	717	SM490YB	Small	C7
1	CAB-R	PL	200* 22	1570	172.7	54.2	54	SM490YB	Small	C7
1	CAB-W	PL	1220* 22	2472	172.7	521	521	SM490YB	Small	C7
1	CAB-R	PL	200* 22	1910	172.7	66.0	66	SM490YB	Small	C7
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C7
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C7
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C7 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
							YSJ4-YSJ5 6.0m	16238 kg		
							2@ YSJ4-YSJ5 6.0m	32476 kg		

Bago Bridge Main Girder BLK-8(BLK-46) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1

Material Quantities Calculation

(Unit : mm,kg)

2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1	
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1	
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1	
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1	
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1	
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large		
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large		
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
4	HANG	NUT	M 20			0.065	1	SS400	Purchase		
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1	
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1	
							YSJ4-YSJ5 3.0m	6156 kg			
							2@ YSJ4-YSJ5 3.0m	12312 kg			
							BLK-8(BLK-46)	169632 kg			

Bago Bridge Main Girder BLK-9(BLK-45) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small		
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small		
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small		
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small		
							LB1-YSJ1(YSJ8-RB1)					4566 kg
							4@ LB1-YSJ1(YSJ8-RB1)					18264 kg

Bago Bridge Main Girder BLK-9(BLK-45) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-9(BLK-45) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A	Small		
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A	Small		
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A	Small		
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA	Large		
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA	Large		
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A	Small		
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small		
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA	Small		
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small		
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small		
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small		
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small		
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small		
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small		
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small		
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large		
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small		
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small		
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small		
15	HANG	NUT	M 20			0.065	1	SS400	Purchase		
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase		
15	HANG	INUT	20			0.383	6	SS400	Purchase		
1		PL	1300* 16	1700	125.6	278	278	SM400A	Small	MD1	
1		PL	680* 9	880	70.65	42.3	42	SM400A	Small	MD1	
1		PL	747* 8	780	62.80	36.6	37	SM400A	Small	MD1	
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A	Small	MD1	
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400	Small	MD1	
32		TGB	M 22* 65			0.508	16	S10T	Purchase	MD1	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
							YSJ2-YSJ3(YSJ6-YSJ7)	13221 kg			
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	52884 kg			

Bago Bridge Main Girder BLK-9(BLK-45) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A	Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A	Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A	Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A	Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A	Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA	Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA	Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A	Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A	Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A	Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A	Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA	Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7985 kg			
4@ YSJ3-YSJ4(YSJ5-YSJ6)							31940 kg			

Bago Bridge Main Girder BLK-9(BLK-45) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	1010	125.6	86.3	86	SM400A		Small	
1	PIPE	STK	355.6* 7.9	949	67.70	64.2	64	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2

Material Quantities Calculation

(Unit : mm,kg)

1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB	Small	C8
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB	Small	C8
1	CAB-W	PL	1560* 22	2472	172.7	666	666	SM490YB	Small	C8
1	CAB-R	PL	200* 22	1430	172.7	49.4	49	SM490YB	Small	C8
1	CAB-W	PL	1160* 22	2472	172.7	495	495	SM490YB	Small	C8
1	CAB-R	PL	200* 22	1820	172.7	62.9	63	SM490YB	Small	C8
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C8
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C8
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C8 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
							YSJ4-YSJ5 6.0m		16139 kg	
							2@ YSJ4-YSJ5 6.0m		32278 kg	

Bago Bridge Main Girder BLK-9(BLK-45) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1

Material Quantities Calculation

(Unit : mm,kg)

2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1	
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1	
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1	
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1	
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1	
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large		
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large		
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
4	HANG	NUT	M 20			0.065	1	SS400	Purchase		
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1	
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1	
							YSJ4-YSJ5 3.0m	6156 kg			
							2@ YSJ4-YSJ5 3.0m	12312 kg			
							BLK-9(BLK-45)	169386 kg			

Bago Bridge Main Girder BLK-10(BLK-44) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small		
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small		
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small		
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small		
							LB1-YSJ1(YSJ8-RB1)					4566 kg
							4@ LB1-YSJ1(YSJ8-RB1)					18264 kg

Bago Bridge Main Girder BLK-10(BLK-44) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-10(BLK-44) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A	Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A	Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A	Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA	Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA	Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A	Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA	Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	12810 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	51240 kg		

Bago Bridge Main Girder BLK-10(BLK-44) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
								YSJ3-YSJ4(YSJ5-YSJ6)		7985 kg	
								4@ YSJ3-YSJ4(YSJ5-YSJ6)		31940 kg	

Bago Bridge Main Girder BLK-10(BLK-44) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	920	125.6	78.6	79	SM400A		Small	
1	PIPE	STK	355.6* 7.9	851	67.70	57.6	58	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large		
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB	Small	C9	
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB	Small	C9	
1	CAB-W	PL	1450* 22	2472	172.7	619	619	SM490YB	Small	C9	
1	CAB-R	PL	200* 22	1280	172.7	44.2	44	SM490YB	Small	C9	
1	CAB-W	PL	1120* 22	2472	172.7	478	478	SM490YB	Small	C9	
1	CAB-R	PL	200* 22	1610	172.7	55.6	56	SM490YB	Small	C9	
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C9	
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C9	
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C9 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
2	RIB	PL	180* 18	1484	141.3	37.7	75	SM490YB	Small		
1	DOUBLE	PL	1520* 11	2360	86.35	310	310	SM490YA	Small		
1		PL	924* 9	1345	70.65	87.8	88	SM400A	Small		
2		FB	100* 6	1065	4.710	5.02	10	SS400	Small		
3		PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
12		BN	M 16* 50			0.164	2	SUS304	Purchase		
2		RB	16 φ	600	1.580	0.948	2	SS400	Small		
							YSJ4-YSJ5 6.0m	16539 kg			
							2@ YSJ4-YSJ5 6.0m	33078 kg			

Bago Bridge Main Girder BLK-10(BLK-44) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1

Material Quantities Calculation

(Unit : mm,kg)

2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1
							YSJ4-YSJ5 3.0m		6156 kg	
							2@ YSJ4-YSJ5 3.0m		12312 kg	
							BLK-10(BLK-44)		168542 kg	

Bago Bridge Main Girder BLK-11(BLK-43) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small	
1	KR-DECK	PL	571* 16	1632	125.6	117	117	SM400A		Small	Channel Widening
1	KR-TOP	PL	391* 9	591	70.65	16.3	16	SM400A		Small	
1	KR-RIB	PL	183* 9	591	70.65	7.64	8	SM400A		Small	
2	KR-RIB	PL	217* 9	591	70.65	9.06	18	SM400A		Small	
3	KR-RIB	PL	369* 9	591	70.65	15.4	46	SM400A		Small	
1	KR-RIB	PL	367* 9	384	70.65	9.95	10	SM400A		Small	
2	KR-WEB	PL	388* 9	1471	70.65	40.3	81	SM400A		Small	
2	KR-FLG	PL	100* 10	1146	78.50	9.00	18	SM400A		Small	
2	KR-RIB	PL	182* 9	827	70.65	10.6	21	SM400A		Small	
1	KR-BASE	PL	450* 9	450	70.65	14.3	14	SM400A		Small	
1	KR-BASE	PL	400* 10	400	78.50	12.6	13	SM400A		Small	
							LB1-YSJ1(YSJ8-RB1)		5148 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		20592 kg		

Bago Bridge Main Girder BLK-11(BLK-43) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
							YSJ1-YSJ2(YSJ7-YSJ8)		5427 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		21708 kg		

Bago Bridge Main Girder BLK-11(BLK-43) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	

Material Quantities Calculation

(Unit : mm,kg)

1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A	Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A	Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A	Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A	Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA		Large
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA		Small
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small
15	HANG	NUT	M 20			0.065	1	SS400		Purchase
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase
15	HANG	INUT	20			0.383	6	SS400		Purchase
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase HH
							YSJ2-YSJ3(YSJ6-YSJ7)	12810 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	51240 kg		

Bago Bridge Main Girder BLK-11(BLK-43) YSJ3-YSJ4(YSJ5-YSJ6)

Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
							YSJ3-YSJ4(YSJ5-YSJ6)	7985 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	31940 kg			

Bago Bridge Main Girder BLK-11(BLK-43) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	830	125.6	70.9	71	SM400A		Small	
1	PIPE	STK	355.6* 7.9	751	67.70	50.8	51	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1

Material Quantities Calculation

(Unit : mm,kg)

3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB	Small	C10
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB	Small	C10
1	CAB-W	PL	1330* 22	2472	172.7	568	568	SM490YB	Small	C10
1	CAB-R	PL	200* 22	1140	172.7	39.4	39	SM490YB	Small	C10
1	CAB-W	PL	1070* 22	2472	172.7	457	457	SM490YB	Small	C10
1	CAB-R	PL	200* 22	1390	172.7	48.0	48	SM490YB	Small	C10
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C10
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C10
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C10 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT		20		0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
2	RIB	PL	180* 18	1484	141.3	37.7	75	SM490YB	Small	
1	DOUBLE	PL	1520* 11	2150	86.35	282	282	SM490YA	Small	
1		PL	924* 9	1240	70.65	81.0	81	SM400A	Small	
2		FB	100* 6	960	4.710	4.52	9	SS400	Small	
3		PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
12		BN	M 16* 50			0.164	2	SUS304	Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2		RB	16 φ	600	1.580	0.948	2	SS400		Small	
							YSJ4-YSJ5 6.0m		16403 kg		
							2@ YSJ4-YSJ5 6.0m		32806 kg		

Bago Bridge Main Girder BLK-11(BLK-43) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400		Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400		Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT	20			0.383	2	SS400		Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A		Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
							YSJ4-YSJ5 3.0m		5933 kg		
							2@ YSJ4-YSJ5 3.0m		11866 kg		
							BLK-11(BLK-43)		170152 kg		

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder BLK-12(BLK-42) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)	4566 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	18264 kg			

Bago Bridge Main Girder BLK-12(BLK-42) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
							YSJ1-YSJ2(YSJ7-YSJ8)	5427 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	21708 kg			

Bago Bridge Main Girder BLK-12(BLK-42) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A	Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A	Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A	Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60 Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA	Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80 Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A	Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A	Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A	Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA	Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA	Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A	Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A	Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A	Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA	Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA	Large	
1	VSTF	PL	170* 14	864	109.9	16.1	16	SM400A	Small	
1	VSTF	PL	190* 15	879	117.8	19.7	20	SM400A	Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small	
9	HSTF	PL	160* 16	2171	125.6	43.6	392	SM490YA	Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
3	HSTF	PL	160* 16	1646	125.6	33.1	99	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A	Small	MD1
1		PL	680* 9	880	70.65	42.3	42	SM400A	Small	MD1
1		PL	747* 8	780	62.80	36.6	37	SM400A	Small	MD1
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A	Small	MD1
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400	Small	MD1
32		TCB	M 22* 65			0.508	16	S10T	Purchase	MD1
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH

Material Quantities Calculation

(Unit : mm,kg)

YSJ2-YSJ3(YSJ6-YSJ7)	13224 kg
4@ YSJ2-YSJ3(YSJ6-YSJ7)	52896 kg

Bago Bridge Main Girder BLK-12(BLK-42) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
							YSJ3-YSJ4(YSJ5-YSJ6)	7985 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	31940 kg			

Bago Bridge Main Girder BLK-12(BLK-42) YSJ4-YSJ5											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	9000	125.6	3855	3855	SM400A		Large	
2	RIB-I	PL	250* 24	8990	188.4	424	848	SM400A		Small	
4	RIB-I	PL	200* 20	8990	157.0	282	1128	SM400A		Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1

Material Quantities Calculation

(Unit : mm,kg)

3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	WEB-I	PL	2659* 14	9000	109.9	2630	5260	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	8990	125.6	181	1086	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	4250	125.6	85.4	171	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	9000	86.35	2650	2650	SM490YA	Large	
6	LF-RIB	PL	160* 16	8990	125.6	181	1086	SM490YA	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	VSTF	PL	170* 14	1414	109.9	26.4	53	SM400A	Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ4-YSJ5		18760 kg	
							2@ YSJ4-YSJ5		37520 kg	

Material Quantities Calculation

(Unit : mm,kg)

BLK-12(BLK-42)	162328 kg
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Bago Bridge Main Girder BLK-13(BLK-41) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	6960	125.6	1687	1687	SM400A		Large	
1	RIB-O	PL	250* 24	6950	188.4	327	327	SM400A		Small	
1	URIB-O	U	320* 240* 8	6950	42.30	294	294	SM400A		Small	
2	URIB-O	U	320* 240* 8	3200	42.30	135	270	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	6950	70.65	189	189	SM400A		Small	
1	ST-F	PL	100* 10	6950	78.50	54.6	55	SM400A		Small	
1		PL	342* 6	6960	47.10	112	112	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	K-DECK	PL	550* 16	1717	125.6	119	119	SM400A		Small	Lighting
1	K-WEB	PL	384* 9	2144	70.65	58.2	58	SM400A		Small	
3	K-RIB	PL	369* 9	541	70.65	14.1	42	SM400A		Small	
2	K-RIB	PL	367* 9	384	70.65	9.95	20	SM400A		Small	
3	K-WEB	PL	388* 9	1471	70.65	40.3	121	SM400A		Small	
3	K-FLG	PL	100* 10	1146	78.50	9.00	27	SM400A		Small	
2	K-RIB	PL	359* 9	286	70.65	7.26	15	SM400A		Small	
1	K-BASE	PL	350* 22	350	172.7	21.2	21	SM400A		Small	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
LB1-YSJ1(YSJ8-RB1)							4119 kg				
4@ LB1-YSJ1(YSJ8-RB1)							16476 kg				

Bago Bridge Main Girder BLK-13(BLK-41) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	6960	125.6	2238	2238	SM400A		Large	
4	URIB-O	U	320* 240* 8	6950	42.30	294	1176	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							4427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							17708 kg				

Bago Bridge Main Girder BLK-13(BLK-41) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	6960	125.6	2675	2675	SM400A		Large	
1	RIB-I	PL	250* 24	6950	188.4	327	327	SM400A		Small	
1	URIB-O	U	320* 240* 8	6950	42.30	294	294	SM400A		Small	
3	URIB-I	U	320* 240* 8	6960	42.30	294	882	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	525* 9	1507	70.65	55.9	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 17	6960	133.4	449	449	SM490YB		Large	
1	WEB-O	PL	2560* 17	6960	133.4	2377	2377	SM490YB		Large	
2	VSTF	PL	190* 15	879	117.8	19.7	39	SM400A		Small	
5	HSTF	PL	200* 20	516	157.0	16.2	81	SM490YB		Small	
3	HSTF	PL	200* 20	2171	157.0	68.2	205	SM490YB		Small	
6	HSTF	PL	200* 20	1754	157.0	55.1	331	SM490YB		Small	
1	HSTF	PL	200* 20	2061	157.0	64.7	65	SM490YB		Small	
2	HSTF	PL	200* 20	1644	157.0	51.6	103	SM490YB		Small	
1	HSTF	PL	200* 20	2066	157.0	64.9	65	SM490YB		Small	
2	HSTF	PL	200* 20	1649	157.0	51.8	104	SM490YB		Small	
3	HSTF	PL	200* 20	439	157.0	13.8	41	SM490YB		Small	
1	HSTF	PL	200* 20	328	157.0	10.3	10	SM490YB		Small	
1	HSTF	PL	200* 20	333	157.0	10.5	10	SM490YB		Small	
1	LFLG-IO	PL	1255* 15	6960	117.8	1029	1029	SM490YA		Large	
2	LF-RIB	PL	200* 20	6950	157.0	218	436	SM490YB		Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	

Material Quantities Calculation

(Unit : mm,kg)

15	HANG	NUT	M 20			0.065	1	SS400	Purchase		
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase		
15	HANG	INUT	20			0.383	6	SS400	Purchase		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
YSJ2-YSJ3(YSJ6-YSJ7)							11695 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							46780 kg				

Bago Bridge Main Girder BLK-13(BLK-41) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	6960	125.6	1937	1937	SM400A		Large	
1	RIB-I	PL	250* 24	6950	188.4	327	327	SM400A		Small	
3	URIB-I	U	320* 240* 8	6950	42.30	294	882	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	525* 9	1905	70.65	70.6	141	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 15	6960	117.8	1566	1566	SM490YA		Large	
4	LF-RIB	PL	200* 20	6950	157.0	218	872	SM490YB		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7292 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							29168 kg				

Bago Bridge Main Girder BLK-13(BLK-41) YSJ4-YSJ5											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6960	125.6	2980	2980	SM400A		Large	
2	RIB-I	PL	250* 24	6950	188.4	327	654	SM400A		Small	
4	RIB-I	PL	200* 20	6950	157.0	218	872	SM400A		Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1

Material Quantities Calculation

(Unit : mm,kg)

1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	525* 9	453	70.65	16.8	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	525* 9	2472	70.65	91.7	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	525* 9	453	70.65	16.8	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	525* 9	2472	70.65	91.7	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	WEB-I	PL	2659* 18	6960	141.3	2615	5230	SM490YB	Large	
6	LONGIT-RIB	PL	200* 20	6950	157.0	218	1308	SM490YB	Small	
2	LONGIT-RIB	PL	200* 20	2680	157.0	84.2	168	SM490YB	Small	
2	LONGIT-RIB	PL	200* 20	4260	157.0	134	268	SM490YB	Small	
2	LONGIT-RIB	PL	200* 20	1560	157.0	49.0	98	SM490YB	Small	
4	VSTF	PL	170* 14	1414	109.9	26.4	106	SM400A	Small	
1	LFLG-I	PL	3410* 15	6960	117.8	2795	2795	SM490YA	Large	
6	LF-RIB	PL	200* 20	6950	157.0	218	1308	SM490YB	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
10	HANG	NUT	M 20			0.065	1	SS400	Purchase	
10	HANG	BOLT	M 20* 65			0.222	2	SS400	Purchase	
10	HANG	INUT		20		0.383	4	SS400	Purchase	
1		PL	2200* 20	2200	157.0	760	760	SM400A	Small	MD3
1		PL	1380* 9	1380	70.65	135	135	SM400A	Small	MD3
2		FB	100* 6	1100	4.710	5.18	10	SS400	Small	MD3

Material Quantities Calculation

(Unit : mm,kg)

2		PL	220* 22	2472	172.7	93.9	188	SM400A		Small	MD3
4		CH	100* 50* 5* 7.5	1380	9.360	12.9	52	SS400		Small	MD3
8	1-tw	BN	M 16* 40			0.149	1	SUS304		Purchase	MD3
2		RB	16 ϕ	600	1.580	0.948	2	SS400		Small	MD3
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	1230* 17	1630	133.4	267	267	SM490YB		Small	MW2
2		RB	19 ϕ	600	2.230	1.34	3	SS400		Small	MW2
1	BASE	PL	450* 27	450	212.0	42.9	43	SM400A		Small	Light for Tower
1	RIB	PL	180* 18	480	141.3	12.2	12	SM400A		Small	Light for Tower
							YSJ4-YSJ5		19677 kg		
							2@ YSJ4-YSJ5		39354 kg		
							BLK-13(BLK-41)		149486 kg		

Bago Bridge Main Girder BLK-14(BLK-40) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	5700	125.6	1382	1382	SM490YA		Large	
1	RIB-O	PL	250* 24	5690	188.4	268	268	SM490YB		Small	
1	URIB-O	U	320* 240* 8	5690	42.30	241	241	SM490YA		Small	
2	URIB-O	U	320* 240* 8	2570	42.30	109	218	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	5690	70.65	154	154	SM400A		Small	
1	ST-F	PL	100* 10	5690	78.50	44.7	45	SM400A		Small	
1	ST	PL	342* 6	5690	47.10	91.7	92	SM400A		Small	
2	BR-W	PL	692* 9	1896	70.65	92.7	185	SM490YA		Small	
2	BR-F	PL	240* 15	1803	117.8	51.0	102	SM490YA		Small	
2	BR-STF	PL	100* 9	544	70.65	3.84	8	SM400A		Small	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)		2956 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		11824 kg		

Bago Bridge Main Girder BLK-14(BLK-40) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	3160* 16	5700	125.6	2262	2262	SM490YA		Large	

Material Quantities Calculation

(Unit : mm,kg)

5	URIB-O	U	320* 240* 8	5690	42.30	241	1205	SM490YA		Small		
10	UR-DIA	PL	254* 6	308	47.10	3.68	37	SM400A		Small		
2	BR-W	PL	1279* 9	3158	70.65	214	428	SM490YA	75	Small		
2	BR-F	PL	240* 15	3198	117.8	90.4	181	SM490YA		Small		
2	BR-STF	PL	100* 9	785	70.65	5.55	11	SM400A		Small		
2	BR-STF	PL	100* 9	1026	70.65	7.25	14	SM400A		Small		
							YSJ1-YSJ2(YSJ7-YSJ8)					4138 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					16552 kg

Bago Bridge Main Girder BLK-14(BLK-40) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2460* 16	5700	125.6	1761	1761	SM490YA		Large	
3	URIB-O	U	320* 240* 8	5690	42.30	241	723	SM490YA		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
1	RIB-O	PL	250* 24	5690	188.4	268	268	SM490YB		Small	
2	BR-W	PL	1411* 9	785	70.65	31.3	63	SM490YA	40	Small	
2	BR-F	PL	240* 15	813	117.8	23.0	46	SM490YA		Small	
1	LWEB	PL	2606* 35	3100	274.8	1554	1554	SM490YB	70	Small	
2		PL	103* 15	500	117.8	6.07	12	SM490YA		Small	
1	RWEB	PL	2606* 35	3100	274.8	1554	1554	SM490YB	70	Small	
2		PL	103* 15	500	117.8	6.07	12	SM490YA		Small	
1	WEB-O	PL	484* 17	5700	133.4	368	368	SM490YB		Large	
1	WEB-O	PL	2560* 17	5700	133.4	1946	1946	SM490YB		Large	
7	HSTF	PL	200* 20	1310	157.0	41.1	288	SM490YB		Small	
2	HSTF	PL	200* 20	1135	157.0	35.6	71	SM490YB		Small	
4	HSTF	PL	200* 20	2860	157.0	89.8	359	SM490YB		Small	
1	HSTF	PL	200* 20	2560	157.0	80.4	80	SM490YB		Small	
1	HSTF	PL	200* 20	465	157.0	14.6	15	SM490YB		Small	
1	DOUBLE	PL	700* 34	1000	266.9	84.1	84	SM490YB	45	Small	
1	LFLG-O	PL	1725* 15	5700	117.8	1158	1158	SM490YA		Large	
4	LF-RIB	PL	200* 20	1345	157.0	42.2	169	SM490YB		Small	
2	LF-RIB	PL	200* 20	1350	157.0	42.4	85	SM490YB		Small	
2	RIB	PL	220* 22	450	172.7	17.1	34	SM490YB		Small	
1	WEB	PL	2200* 50	2930	392.5	2530	2530	SM570		Small	
1	FLG	PL	300* 36	2930	282.6	248	248	SM490YB		Small	
2	DOUBLE	PL	630* 50	930	392.5	103	206	SM520C-H	45	Small	
2	LF-STF	PL	320* 35	2200	274.8	184	368	SM570	95	Small	
2	LF-STF	PL	2200* 35	778	274.8	141	282	SM570	30	Small	
2	LF-STF	PL	2200* 35	604	274.8	146	292	SM570	40	Small	
1	WEB	PL	500* 43	2930	337.6	495	495	SM520C-H		Small	
1	FLG	PL	260* 43	2930	337.6	257	257	SM520C-H		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	WEB	PL	400* 9	269	70.65	7.60	8	SM490YA		Small	
1	FLG	PL	220* 10	169	78.50	2.92	3	SM490YA		Small	
1	SOLE	PL	1200* 55	1300	431.8	606	606	SM490C-H	90	Small	
1		PL	480* 9	680	70.65	23.1	23	SM400A		Small	ME2
1		PL	700* 34	1000	266.9	187	187	SM490YB		Small	ME2
3		RB	19 ϕ	600	2.230	1.34	4	SS400		Small	ME2
2		PL	229* 9	400	70.65	6.47	13	SM400A		Small	ME2
2		PL	80* 9	110	70.65	0.622	1	SM400A		Small	ME2
1		RB	13 ϕ	270	1.040	0.281	1	SS400		Small	ME2
4		BN	M 12* 55			0.091	1	SS400		Purchase	ME2 plating
2		WPIN	5 ϕ * 32			0.00561	1	SUS304		Purchase	ME2
1		PL	630* 50	930	392.5	230	230	SM520C-H		Small	MP6
6		RB	19 ϕ	600	2.230	1.34	8	SS400		Small	MP6
							YSJ2-YSJ3(YSJ6-YSJ7)		16436 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		65744 kg		

Bago Bridge Main Girder BLK-14(BLK-40) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2215* 16	5700	125.6	1586	1586	SM490YA		Large	
3	URIB-O	U	320* 240* 8	5690	42.30	241	723	SM490YA		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
1	RIB-O	PL	250* 24	5690	188.4	268	268	SM490YB		Small	
1	LWEB	PL	2650* 35	2215	274.8	1210	1210	SM490YB	75	Small	
2	DOUBLE	PL	630* 35	930	274.8	72.5	145	SM490YB	45	Small	
1	RING	PL	100* 10	1615	78.50	12.7	13	SM490YA		Small	
1	RWEB	PL	2650* 35	2215	274.8	1210	1210	SM490YB	75	Small	
2	DOUBLE	PL	630* 35	930	274.8	72.5	145	SM490YB	45	Small	
1	RING	PL	100* 10	1615	78.50	12.7	13	SM490YA		Small	
1	LFLG-O	PL	1440* 15	5700	117.8	967	967	SM490YA		Large	
3	LF-RIB	PL	200* 20	5690	157.0	179	537	SM490YB		Small	
2	WEB	PL	400* 9	1451	70.65	41.0	82	SM490YA		Small	
2	FLG	PL	320* 10	1440	78.50	36.2	72	SM490YA		Small	
2		PL	630* 35	930	274.8	161	322	SM490YB		Small	MP5
12		RB	19 ϕ	600	2.230	1.34	16	SS400		Small	MP5
							YSJ3-YSJ4(YSJ5-YSJ6)		7331 kg		
							4@ YSJ3-YSJ4(YSJ5-YSJ6)		29324 kg		

Bago Bridge Main Girder BLK-14(BLK-40) YSJ4-YSJ5(UPPER)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

1	DECK-O	PL	3410* 16	5700	125.6	2442	2442	SM490YA		Large	
2	RIB-O	PL	250* 24	5690	188.4	268	536	SM490YB		Small	
2	RIB-O	PL	200* 20	5690	157.0	179	358	SM490YB		Small	
4	RIB-O	PL	200* 20	2358	157.0	74.0	296	SM490YB		Small	
4	RIB-O	PL	250* 25	658	196.2	32.3	129	SM490YB		Small	
2	RIB-O	PL	250* 25	975	196.2	47.8	96	SM490YB		Small	
2	RIB-O	PL	250* 25	1860	196.2	91.2	182	SM490YB		Small	
2	TO-WEB	PL	3000* 35	629	274.8	519	1038	SM490YB		Large	
2	TO-FLG	PL	2470* 35	625	274.8	424	848	SM490YB		Large	
10	RIB-T	PL	250* 25	625	196.2	30.6	306	SM490YB		Small	
4	RIB-T	PL	260* 25	604	196.2	30.8	123	SM490YB		Small	
2	WEB-I	PL	1309* 35	5700	274.8	2050	4100	SM490YB		Large	
4	RIB-I	PL	200* 20	1305	157.0	41.0	164	SM490YB		Small	
4	RIB-I	PL	200* 20	1240	157.0	38.9	156	SM490YB		Small	
4	RIB-I	PL	250* 25	1304	196.2	64.0	256	SM490YB		Small	
2	WEB	PL	1334* 35	2430	274.8	891	1782	SM490YB		Small	
4	WEB	PL	455* 35	1309	274.8	164	656	SM490YB		Small	
8	D-DIA	PL	1325* 45	943	353.2	265	2120	SM520C-H	60	Small	
4	D-DIA	PL	450* 45	955	353.2	152	608	SM520C-H		Small	
8	D-FLG	PL	300* 22	1246	172.7	64.6	517	SM490YB		Small	
4	D-FLG	PL	300* 22	955	172.7	49.5	198	SM490YB		Small	
4	D-DIA	PL	1315* 45	2430	353.2	734	2936	SM520C-H	65	Small	
4	D-FLG	PL	300* 22	2655	172.7	138	552	SM490YB		Small	
							YSJ4-YSJ5(UPPER)		20399 kg		
							2@ YSJ4-YSJ5(UPPER)		40798 kg		

Bago Bridge Main Girder BLK-14(BLK-40) YSJ4-YSJ5(LOWER)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	WEB-I	PL	1350* 35	5700	274.8	2115	4230	SM490YB		Large	
4	RIB-LI	PL	200* 20	1305	157.0	41.0	164	SM490YB		Small	
4	RIB-LI	PL	200* 20	1240	157.0	38.9	156	SM490YB		Small	
4	RIB-LI	PL	250* 20	1345	157.0	52.8	211	SM490YB		Small	
4	DOUBLE	PL	630* 35	930	274.8	72.5	290	SM490YB	45	Small	
2	WEB	PL	1350* 35	2430	274.8	901	1802	SM490YB		Small	
4	WEB	PL	455* 35	1350	274.8	169	676	SM490YB		Small	
8	D-DIA	PL	1350* 45	943	353.2	450	3600	SM520C-H		Small	
4	D-DIA	PL	1350* 45	955	353.2	455	1820	SM520C-H		Small	
4	D-DIA	PL	1350* 45	2430	353.2	1158	4632	SM520C-H		Small	
1	LFLG-O	PL	3410* 15	5700	117.8	2290	2290	SM490YA		Large	
6	LF-RIB	PL	200* 20	5690	157.0	179	1074	SM490YB		Small	
2	WEB	PL	400* 9	455	70.65	12.9	26	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	FLG	PL	220* 10	455	78.50	7.86	16	SM490YA		Small		
1	SOLE	PL	2000* 101	2000	792.8	2696	2696	SM490C-H	85	Small		
4		PL	630* 53	830	416.0	218	872	SM520C-H		Small	MP4	
8		RB	19 ϕ	600	2.230	1.34	11	SS400		Small	MP4	
							YSJ4-YSJ5(LOWER)					24566 kg
							2@ YSJ4-YSJ5(LOWER)					49132 kg
							BLK-14(BLK-40)					213374 kg

Bago Bridge Main Girder BLK-15(BLK-39) LB1-YSJ1(YSJ8-RB1)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	1930* 16	6960	125.6	1687	1687	SM400A		Large		
1	RIB-O	PL	250* 24	6950	188.4	327	327	SM400A		Small		
1	URIB-O	U	320* 240* 8	6950	42.30	294	294	SM400A		Small		
2	URIB-O	U	320* 240* 8	3200	42.30	135	270	SM400A		Small		
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small		
1	ST-W	PL	384* 9	6950	70.65	189	189	SM400A		Small		
1	ST-F	PL	100* 10	6950	78.50	54.6	55	SM400A		Small		
1		PL	342* 6	6960	47.10	112	112	SS400		Small		
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small		
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small		
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small		
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small		
1	BASE	PL	220* 22	220	172.7	8.36	8	SM400A		Small	Light for Pier	
							LB1-YSJ1(YSJ8-RB1)					3704 kg
							4@ LB1-YSJ1(YSJ8-RB1)					14816 kg

Bago Bridge Main Girder BLK-15(BLK-39) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	6960	125.6	2238	2238	SM400A		Large	
4	URIB-O	U	320* 240* 8	6950	42.30	294	1176	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							4427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							17708 kg				

Bago Bridge Main Girder BLK-15(BLK-39) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	6960	125.6	2675	2675	SM400A		Large	
1	RIB-I	PL	250* 24	6950	188.4	327	327	SM400A		Small	
1	URIB-O	U	320* 240* 8	6950	42.30	294	294	SM400A		Small	
3	URIB-I	U	320* 240* 8	6960	42.30	294	882	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 17	6960	133.4	449	449	SM490YB		Large	
1	WEB-O	PL	2560* 17	6960	133.4	2377	2377	SM490YB		Large	
2	VSTF	PL	190* 15	879	117.8	19.7	39	SM400A		Small	
5	HSTF	PL	200* 20	516	157.0	16.2	81	SM490YB		Small	
3	HSTF	PL	200* 20	2171	157.0	68.2	205	SM490YB		Small	
6	HSTF	PL	200* 20	1754	157.0	55.1	331	SM490YB		Small	
1	HSTF	PL	200* 20	2061	157.0	64.7	65	SM490YB		Small	
2	HSTF	PL	200* 20	1644	157.0	51.6	103	SM490YB		Small	
1	HSTF	PL	200* 20	2066	157.0	64.9	65	SM490YB		Small	
2	HSTF	PL	200* 20	1649	157.0	51.8	104	SM490YB		Small	
3	HSTF	PL	200* 20	439	157.0	13.8	41	SM490YB		Small	
1	HSTF	PL	200* 20	328	157.0	10.3	10	SM490YB		Small	
1	HSTF	PL	200* 20	333	157.0	10.5	10	SM490YB		Small	
1	LFLG-IO	PL	1255* 15	6960	117.8	1029	1029	SM490YA		Large	
2	LF-RIB	PL	200* 20	6950	157.0	218	436	SM490YB		Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	

Material Quantities Calculation

(Unit : mm,kg)

15	HANG	NUT	M 20			0.065	1	SS400	Purchase		
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase		
15	HANG	INUT	20			0.383	6	SS400	Purchase		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
YSJ2-YSJ3(YSJ6-YSJ7)							11695 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							46780 kg				

Bago Bridge Main Girder BLK-15(BLK-39) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	6960	125.6	1937	1937	SM400A		Large	
1	RIB-I	PL	250* 24	6950	188.4	327	327	SM400A		Small	
3	URIB-I	U	320* 240* 8	6950	42.30	294	882	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 15	6960	117.8	1566	1566	SM490YA		Large	
4	LF-RIB	PL	200* 20	6950	157.0	218	872	SM490YB		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7293 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							29172 kg				

Bago Bridge Main Girder BLK-15(BLK-39) YSJ4-YSJ5											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6960	125.6	2980	2980	SM400A		Large	
2	RIB-I	PL	250* 24	6950	188.4	327	654	SM400A		Small	
4	RIB-I	PL	200* 20	6950	157.0	218	872	SM400A		Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1

Material Quantities Calculation

(Unit : mm,kg)

1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	525* 9	453	70.65	16.8	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	525* 9	2472	70.65	91.7	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1
2	YR-LW	PL	525* 9	453	70.65	16.8	34	SM400A	Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1
1	YR-LW	PL	525* 9	2472	70.65	91.7	92	SM400A	Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1
2	WEB-I	PL	2659* 18	6960	141.3	2615	5230	SM490YB	Large	
6	LONGIT-RIB	PL	200* 20	6950	157.0	218	1308	SM490YB	Small	
2	LONGIT-RIB	PL	200* 20	2680	157.0	84.2	168	SM490YB	Small	
2	LONGIT-RIB	PL	200* 20	4260	157.0	134	268	SM490YB	Small	
2	LONGIT-RIB	PL	200* 20	1560	157.0	49.0	98	SM490YB	Small	
4	VSTF	PL	170* 14	1414	109.9	26.4	106	SM400A	Small	
1	LFLG-I	PL	3410* 15	6960	117.8	2795	2795	SM490YA	Large	
6	LF-RIB	PL	200* 20	6950	157.0	218	1308	SM490YB	Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
10	HANG	NUT	M 20			0.065	1	SS400	Purchase	
10	HANG	BOLT	M 20* 65			0.222	2	SS400	Purchase	
10	HANG	INUT		20		0.383	4	SS400	Purchase	
1		PL	2200* 20	2200	157.0	760	760	SM400A	Small	MD3
1		PL	1380* 9	1380	70.65	135	135	SM400A	Small	MD3
2		FB	100* 6	1100	4.710	5.18	10	SS400	Small	MD3

Material Quantities Calculation

(Unit : mm,kg)

2		PL	220* 22	2472	172.7	93.9	188	SM400A		Small	MD3
4		CH	100* 50* 5* 7.5	1380	9.360	12.9	52	SS400		Small	MD3
8	1-tw	BN	M 16* 40			0.149	1	SUS304		Purchase	MD3
2		RB	16 ϕ	600	1.580	0.948	2	SS400		Small	MD3
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	1230* 17	1630	133.4	267	267	SM490YB		Small	MW2
2		RB	19 ϕ	600	2.230	1.34	3	SS400		Small	MW2
1	BASE	PL	450* 27	450	212.0	42.9	43	SM400A		Small	Light for Tower
1	RIB	PL	180* 18	480	141.3	12.2	12	SM400A		Small	Light for Tower
							YSJ4-YSJ5		19677 kg		
							2@ YSJ4-YSJ5		39354 kg		
							BLK-15(BLK-39)		147830 kg		

Bago Bridge Main Girder BLK-16(BLK-38) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)		4566 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		18264 kg		

Bago Bridge Main Girder BLK-16(BLK-38) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							5427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							21708 kg				

Bago Bridge Main Girder BLK-16(BLK-38) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
1	VSTF	PL	170* 14	864	109.9	16.1	16	SM400A		Small	
1	VSTF	PL	190* 15	879	117.8	19.7	20	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
9	HSTF	PL	160* 16	2171	125.6	43.6	392	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
3	HSTF	PL	160* 16	1646	125.6	33.1	99	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA		Large	

Material Quantities Calculation

(Unit : mm,kg)

2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small		
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small		
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT		20		0.383	6	SS400		Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A		Small MD1	
1		PL	680* 9	880	70.65	42.3	42	SM400A		Small MD1	
1		PL	747* 8	780	62.80	36.6	37	SM400A		Small MD1	
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A		Small MD1	
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400		Small MD1	
32		TCB	M 22* 65			0.508	16	S10T		Purchase MD1	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small HH	
1		PL	270* 9	450	70.65	8.58	9	SS400		Small HH	
6		BN	M 16* 60			0.18	1	SUS304		Purchase HH	
							YSJ2-YSJ3(YSJ6-YSJ7)		13224 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		52896 kg		

Bago Bridge Main Girder BLK-16(BLK-38) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	

Material Quantities Calculation

(Unit : mm,kg)

YSJ3-YSJ4(YSJ5-YSJ6)	7985 kg
4@ YSJ3-YSJ4(YSJ5-YSJ6)	31940 kg

Bago Bridge Main Girder BLK-16(BLK-38) YSJ4-YSJ5											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	9000	125.6	3855	3855	SM400A		Large	
2	RIB-I	PL	250* 24	8990	188.4	424	848	SM400A		Small	
4	RIB-I	PL	200* 20	8990	157.0	282	1128	SM400A		Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	9000	109.9	2630	5260	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	8990	125.6	181	1086	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	4250	125.6	85.4	171	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	9000	86.35	2650	2650	SM490YA		Large	
6	LF-RIB	PL	160* 16	8990	125.6	181	1086	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400		Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400		Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
6	HANG	NUT	M 20			0.065	1	SS400		Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
6	HANG	INUT	20			0.383	2	SS400		Purchase	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1

Material Quantities Calculation

(Unit : mm,kg)

2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1	
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1	
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1	
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1	
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1	
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1	
2	VSTF	PL	170* 14	1414	109.9	26.4	53	SM400A	Small		
4	HANG	NUT	M 20			0.065	1	SS400	Purchase		
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
YSJ4-YSJ5							18770 kg				
2@ YSJ4-YSJ5							37540 kg				
BLK-16(BLK-38)							162348 kg				

Bago Bridge Main Girder BLK-17(BLK-37) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
LB1-YSJ1(YSJ8-RB1)							4566 kg				
4@ LB1-YSJ1(YSJ8-RB1)							18264 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder BLK-17(BLK-37) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-17(BLK-37) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)		12810 kg	
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		51240 kg	

Bago Bridge Main Girder BLK-17(BLK-37) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
							YSJ3-YSJ4(YSJ5-YSJ6)		7985 kg		

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ3-YSJ4(YSJ5-YSJ6)

31940 kg

Bago Bridge Main Girder BLK-17(BLK-37) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	830	125.6	70.9	71	SM400A		Small	
1	PIPE	STK	355.6* 7.9	751	67.70	50.8	51	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA		Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB		Small	C11
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB		Small	C11
1	CAB-W	PL	1320* 22	2472	172.7	564	564	SM490YB		Small	C11
1	CAB-R	PL	200* 22	1140	172.7	39.4	39	SM490YB		Small	C11
1	CAB-W	PL	1070* 22	2472	172.7	457	457	SM490YB		Small	C11
1	CAB-R	PL	200* 22	1390	172.7	48.0	48	SM490YB		Small	C11

Material Quantities Calculation

(Unit : mm,kg)

2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C11
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C11
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C11 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT		20		0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
2	RIB	PL	180* 18	1484	141.3	37.7	75	SM490YB	Small	
1	DOUBLE	PL	1520* 11	2110	86.35	277	277	SM490YA	Small	
1		PL	924* 9	1220	70.65	79.6	80	SM400A	Small	
2		FB	100* 6	940	4.710	4.43	9	SS400	Small	
3		PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
12		BN	M 16* 50			0.164	2	SUS304	Purchase	
2		RB	16 φ	600	1.580	0.948	2	SS400	Small	
							YSJ4-YSJ5 6.0m		16393 kg	
							2@ YSJ4-YSJ5 6.0m		32786 kg	

Bago Bridge Main Girder BLK-17(BLK-37) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
YSJ4-YSJ5 3.0m							5924 kg			
2@ YSJ4-YSJ5 3.0m							11848 kg			
BLK-17(BLK-37)							167786 kg			

Bago Bridge Main Girder BLK-18(BLK-36) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	K-DECK	PL	550* 16	1717	125.6	119	119	SM400A		Small	Lighting
1	K-WEB	PL	384* 9	2144	70.65	58.2	58	SM400A		Small	
3	K-RIB	PL	369* 9	541	70.65	14.1	42	SM400A		Small	
2	K-RIB	PL	367* 9	384	70.65	9.95	20	SM400A		Small	
3	K-WEB	PL	388* 9	1471	70.65	40.3	121	SM400A		Small	
3	K-FLG	PL	100* 10	1146	78.50	9.00	27	SM400A		Small	
2	K-RIB	PL	359* 9	286	70.65	7.26	15	SM400A		Small	
1	K-BASE	PL	350* 22	350	172.7	21.2	21	SM400A		Small	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

LB1-YSJ1(YSJ8-RB1)	5209 kg
4@ LB1-YSJ1(YSJ8-RB1)	20836 kg

Bago Bridge Main Girder BLK-18(BLK-36) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-18(BLK-36) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	12810 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	51240 kg		

Bago Bridge Main Girder BLK-18(BLK-36) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small		
							7985 kg					
YSJ3-YSJ4(YSJ5-YSJ6)												
4@ YSJ3-YSJ4(YSJ5-YSJ6)							31940 kg					

Bago Bridge Main Girder BLK-18(BLK-36) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	920	125.6	78.6	79	SM400A		Small	
1	PIPE	STK	355.6* 7.9	851	67.70	57.6	58	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA		Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB		Small	C12
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB		Small	C12
1	CAB-W	PL	1460* 22	2472	172.7	623	623	SM490YB		Small	C12

Material Quantities Calculation

(Unit : mm,kg)

1	CAB-R	PL	200* 22	1280	172.7	44.2	44	SM490YB	Small	C12
1	CAB-W	PL	1140* 22	2472	172.7	487	487	SM490YB	Small	C12
1	CAB-R	PL	200* 22	1600	172.7	55.3	55	SM490YB	Small	C12
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C12
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C12
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C12 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
2	RIB	PL	180* 18	1484	141.3	37.7	75	SM490YB	Small	
1	DOUBLE	PL	1520* 11	2030	86.35	266	266	SM490YA	Small	
1		PL	924* 9	1340	70.65	87.5	88	SM400A	Small	
2		FB	100* 6	1060	4.710	4.99	10	SS400	Small	
3		PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
12		BN	M 16* 50			0.164	2	SUS304	Purchase	
2		RB	16 φ	600	1.580	0.948	2	SS400	Small	
							YSJ4-YSJ5 6.0m		16507 kg	
							2@ YSJ4-YSJ5 6.0m		33014 kg	

Bago Bridge Main Girder BLK-18(BLK-36) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	

Material Quantities Calculation

(Unit : mm,kg)

6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large		
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
4	HANG	NUT	M 20			0.065	1	SS400	Purchase		
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1	
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1	
YSJ4-YSJ5 3.0m							6147 kg				
2@ YSJ4-YSJ5 3.0m							12294 kg				
BLK-18(BLK-36)							171032 kg				

Bago Bridge Main Girder BLK-19(BLK-35) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
LB1-YSJ1(YSJ8-RB1)							4566 kg				
4@ LB1-YSJ1(YSJ8-RB1)							18264 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder BLK-19(BLK-35) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-19(BLK-35) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A	Small	MD1
1		PL	680* 9	880	70.65	42.3	42	SM400A	Small	MD1
1		PL	747* 8	780	62.80	36.6	37	SM400A	Small	MD1
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A	Small	MD1
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400	Small	MD1
32		TCB	M 22* 65			0.508	16	S10T	Purchase	MD1
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)		13221 kg	
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		52884 kg	

Bago Bridge Main Girder BLK-19(BLK-35) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large		
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small		
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small		
							YSJ3-YSJ4(YSJ5-YSJ6)					7985 kg
							4@ YSJ3-YSJ4(YSJ5-YSJ6)					31940 kg

Bago Bridge Main Girder BLK-19(BLK-35) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	1010	125.6	86.3	86	SM400A		Small	
1	PIPE	STK	355.6* 7.9	950	67.70	64.3	64	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA		Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB	Small	C13	
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB	Small	C13	
1	CAB-W	PL	1560* 22	2472	172.7	666	666	SM490YB	Small	C13	
1	CAB-R	PL	200* 22	1420	172.7	49.0	49	SM490YB	Small	C13	
1	CAB-W	PL	1170* 22	2472	172.7	499	499	SM490YB	Small	C13	
1	CAB-R	PL	200* 22	1820	172.7	62.9	63	SM490YB	Small	C13	
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB	Small	C13	
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB	Small	C13	
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H	Small	C13 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
							YSJ4-YSJ5 6.0m		16143 kg		
							2@ YSJ4-YSJ5 6.0m		32286 kg		

Bago Bridge Main Girder BLK-19(BLK-35) YSJ4-YSJ5 3.0m

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large		
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
4	HANG	NUT	M 20			0.065	1	SS400	Purchase		
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1	
2		RB	19 ϕ	600	2.230	1.34	3	SS400	Small	MW1	
YSJ4-YSJ5 3.0m							6147 kg				
2@ YSJ4-YSJ5 3.0m							12294 kg				
BLK-19(BLK-35)							169376 kg				

Bago Bridge Main Girder BLK-20(BLK-34) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small	
LB1-YSJ1(YSJ8-RB1)							4786 kg				
4@ LB1-YSJ1(YSJ8-RB1)							19144 kg				

Bago Bridge Main Girder BLK-20(BLK-34) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							5427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							21708 kg				

Bago Bridge Main Girder BLK-20(BLK-34) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large		
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small		
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small		
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT	20			0.383	6	SS400		Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
							YSJ2-YSJ3(YSJ6-YSJ7)		12810 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		51240 kg		

Bago Bridge Main Girder BLK-20(BLK-34) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
							YSJ3-YSJ4(YSJ5-YSJ6)		7985 kg		
							4@ YSJ3-YSJ4(YSJ5-YSJ6)		31940 kg		

Bago Bridge Main Girder BLK-20(BLK-34) YSJ4-YSJ5 6.0m											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	1090	125.6	93.1	93	SM400A		Small	
1	PIPE	STK	355.6* 7.9	1044	67.70	70.7	71	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA		Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB		Small	C14
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB		Small	C14
1	CAB-W	PL	1670* 22	2472	172.7	713	713	SM490YB		Small	C14
1	CAB-R	PL	200* 22	1570	172.7	54.2	54	SM490YB		Small	C14
1	CAB-W	PL	1220* 22	2472	172.7	521	521	SM490YB		Small	C14
1	CAB-R	PL	200* 22	1910	172.7	66.0	66	SM490YB		Small	C14
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB		Small	C14
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB		Small	C14
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H		Small	C14 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
							YSJ4-YSJ5 6.0m		16234 kg	
							2@ YSJ4-YSJ5 6.0m		32468 kg	

Bago Bridge Main Girder BLK-20(BLK-34) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT	20			0.383	2	SS400		Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A		Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA		Small	MW1

Material Quantities Calculation

(Unit : mm,kg)

2		RB	19 φ	600	2.230	1.34	3	SS400		Small	MW1
							YSJ4-YSJ5 3.0m		6147 kg		
							2@ YSJ4-YSJ5 3.0m		12294 kg		
							BLK-20(BLK-34)		168794 kg		

Bago Bridge Main Girder BLK-21(BLK-33) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
2	URIB-O	U	320* 240* 8	4220	42.30	179	358	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	DR-DUB	PL	820* 16	740	125.6	76.2	76	SM400A		Small	
2	DR-H	PL	280* 25	848	196.2	46.6	93	SM400A		Small	
1	DR-H	PL	250* 25	1500	196.2	73.6	74	SM400A		Small	
2	DR-H	FB	50* 6	684	2.360	1.61	3	SS400		Small	
1	KR-DECK	PL	571* 16	1632	125.6	117	117	SM400A		Small	Channel Widening
1	KR-TOP	PL	391* 9	591	70.65	16.3	16	SM400A		Small	
1	KR-RIB	PL	183* 9	591	70.65	7.64	8	SM400A		Small	
2	KR-RIB	PL	217* 9	591	70.65	9.06	18	SM400A		Small	
3	KR-RIB	PL	369* 9	591	70.65	15.4	46	SM400A		Small	
1	KR-RIB	PL	367* 9	384	70.65	9.95	10	SM400A		Small	
2	KR-WEB	PL	388* 9	1471	70.65	40.3	81	SM400A		Small	
2	KR-FLG	PL	100* 10	1146	78.50	9.00	18	SM400A		Small	
2	KR-RIB	PL	182* 9	827	70.65	10.6	21	SM400A		Small	
1	KR-BASE	PL	450* 9	450	70.65	14.3	14	SM400A		Small	
1	KR-BASE	PL	400* 10	400	78.50	12.6	13	SM400A		Small	
							LB1-YSJ1(YSJ8-RB1)		4928 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		19712 kg		

Bago Bridge Main Girder BLK-21(BLK-33) YSJ1-YSJ2(YSJ7-YSJ8)											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							5427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							21708 kg				

Bago Bridge Main Girder BLK-21(BLK-33) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)		12810 kg	
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		51240 kg	

Bago Bridge Main Girder BLK-21(BLK-33) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
							YSJ3-YSJ4(YSJ5-YSJ6)		7985 kg		
							4@ YSJ3-YSJ4(YSJ5-YSJ6)		31940 kg		

Bago Bridge Main Girder BLK-21(BLK-33) YSJ4-YSJ5 6.0m											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	680* 16	1170	125.6	99.9	100	SM400A		Small	
1	PIPE	STK	355.6* 7.9	1134	67.70	76.8	77	STK400		Small	
12	P-RIB	PL	88* 9	150	70.65	0.933	11	SM400A		Small	
1	P-FLG	PL	544* 16	544	125.6	14.9	15	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA		Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
1	CAB-F	PL	720* 36	2472	282.6	503	503	SM490YB		Small	C15
2	CAB-F	PL	150* 30	2472	235.5	87.3	175	SM490YB		Small	C15
1	CAB-W	PL	1780* 22	2472	172.7	760	760	SM490YB		Small	C15
1	CAB-R	PL	200* 22	1710	172.7	59.1	59	SM490YB		Small	C15
1	CAB-W	PL	1280* 22	2472	172.7	546	546	SM490YB		Small	C15
1	CAB-R	PL	200* 22	1830	172.7	63.2	63	SM490YB		Small	C15
2	CAB-R	PL	340* 22	785	172.7	46.1	92	SM490YB		Small	C15
4	CAB-R	PL	130* 22	755	172.7	17.0	68	SM490YB		Small	C15
1	CAB-ANC	PL	550* 85	550	667.2	202	202	SM400C-H		Small	C15 plating

Material Quantities Calculation

(Unit : mm,kg)

3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400		Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400		Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400		Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
6	HANG	NUT	M 20			0.065	1	SS400		Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
6	HANG	INUT		20		0.383	2	SS400		Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A		Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A		Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400		Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A		Small	MD2
YSJ4-YSJ5 6.0m							16321 kg				
2@ YSJ4-YSJ5 6.0m							32642 kg				

Bago Bridge Main Girder BLK-21(BLK-33) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT		20		0.383	2	SS400		Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A		Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH

Material Quantities Calculation

(Unit : mm,kg)

1		PL	1230* 14	1630	109.9	220	220	SM490YA		Small	MW1	
2		RB	19 ϕ	600	2.230	1.34	3	SS400		Small	MW1	
								YSJ4-YSJ5 3.0m				6147 kg
								2@ YSJ4-YSJ5 3.0m				12294 kg
								BLK-21(BLK-33)				169536 kg

Bago Bridge Main Girder BLK-22(BLK-32) LB1-YSJ1(YSJ8-RB1)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large		
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small		
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small		
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small		
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small		
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small		
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small		
1		PL	342* 6	9000	47.10	145	145	SS400		Small		
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
1	K-DECK	PL	550* 16	1717	125.6	119	119	SM400A		Small	Lighting	
1	K-WEB	PL	384* 9	2144	70.65	58.2	58	SM400A		Small		
3	K-RIB	PL	369* 9	541	70.65	14.1	42	SM400A		Small		
2	K-RIB	PL	367* 9	384	70.65	9.95	20	SM400A		Small		
3	K-WEB	PL	388* 9	1471	70.65	40.3	121	SM400A		Small		
3	K-FLG	PL	100* 10	1146	78.50	9.00	27	SM400A		Small		
2	K-RIB	PL	359* 9	286	70.65	7.26	15	SM400A		Small		
1	K-BASE	PL	350* 22	350	172.7	21.2	21	SM400A		Small		
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small		
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small		
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small		
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small		
								LB1-YSJ1(YSJ8-RB1)				5209 kg
								4@ LB1-YSJ1(YSJ8-RB1)				20836 kg

Bago Bridge Main Girder BLK-22(BLK-32) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	

Material Quantities Calculation

(Unit : mm,kg)

4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
							YSJ1-YSJ2(YSJ7-YSJ8)		5427 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		21708 kg		

Bago Bridge Main Girder BLK-22(BLK-32) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA		Large	

Material Quantities Calculation

(Unit : mm,kg)

2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small		
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small		
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT		20		0.383	6	SS400		Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A		Small MD1	
1		PL	680* 9	880	70.65	42.3	42	SM400A		Small MD1	
1		PL	747* 8	780	62.80	36.6	37	SM400A		Small MD1	
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A		Small MD1	
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400		Small MD1	
32		TCB	M 22* 65			0.508	16	S10T		Purchase MD1	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small HH	
1		PL	270* 9	450	70.65	8.58	9	SS400		Small HH	
6		BN	M 16* 60			0.18	1	SUS304		Purchase HH	
							YSJ2-YSJ3(YSJ6-YSJ7)		13221 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		52884 kg		

Bago Bridge Main Girder BLK-22(BLK-32) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	

Material Quantities Calculation

(Unit : mm,kg)

YSJ3-YSJ4(YSJ5-YSJ6)	7985 kg
4@ YSJ3-YSJ4(YSJ5-YSJ6)	31940 kg

Bago Bridge Main Girder BLK-22(BLK-32) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1590	125.6	174	174	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1298	139.0	180	180	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400		Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T		Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A		Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A		Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A		Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2

Material Quantities Calculation

(Unit : mm,kg)

1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2	
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large		
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large		
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small		
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C16	
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C16	
1	CAB-W	PL	2080* 25	2472	196.2	1009	1009	SM490YB	Small	C16	
1	CAB-R	PL	200* 25	1670	196.2	65.5	66	SM490YB	Small	C16	
1	CAB-W	PL	1340* 25	2472	196.2	650	650	SM490YB	Small	C16	
1	CAB-R	PL	200* 25	1630	196.2	64.0	64	SM490YB	Small	C16	
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C16	
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C16	
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C16 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
							YSJ4-YSJ5 6.0m	17537 kg			
							2@ YSJ4-YSJ5 6.0m	35074 kg			

Bago Bridge Main Girder BLK-22(BLK-32) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1

Material Quantities Calculation

(Unit : mm,kg)

1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1	
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1	
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1	
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1	
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large		
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small		
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small		
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large		
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small		
4	HANG	NUT	M 20			0.065	1	SS400	Purchase		
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
4	HANG	INUT	20			0.383	2	SS400	Purchase		
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1	
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1	
YSJ4-YSJ5 3.0m							6147 kg				
2@ YSJ4-YSJ5 3.0m							12294 kg				
BLK-22(BLK-32)							174736 kg				

Bago Bridge Main Girder BLK-23(BLK-31) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small	
LB1-YSJ1(YSJ8-RB1)							4786 kg				
4@ LB1-YSJ1(YSJ8-RB1)							19144 kg				

Bago Bridge Main Girder BLK-23(BLK-31) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
YSJ1-YSJ2(YSJ7-YSJ8)							5427 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							21708 kg				

Bago Bridge Main Girder BLK-23(BLK-31) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA	Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	12810 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	51240 kg		

Bago Bridge Main Girder BLK-23(BLK-31) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	

Material Quantities Calculation

(Unit : mm,kg)

4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7985 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							31940 kg				

Bago Bridge Main Girder BLK-23(BLK-31) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1690	125.6	185	185	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1385	139.0	193	193	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400		Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T		Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A		Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A		Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A		Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2

Material Quantities Calculation

(Unit : mm,kg)

4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C17
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C17
1	CAB-W	PL	2180* 25	2472	196.2	1057	1057	SM490YB	Small	C17
1	CAB-R	PL	200* 25	1790	196.2	70.2	70	SM490YB	Small	C17
1	CAB-W	PL	1380* 25	2472	196.2	669	669	SM490YB	Small	C17
1	CAB-R	PL	200* 25	1590	196.2	62.4	62	SM490YB	Small	C17
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C17
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C17
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C17 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
							YSJ4-YSJ5 6.0m		17630 kg	
							2@ YSJ4-YSJ5 6.0m		35260 kg	

Bago Bridge Main Girder BLK-23(BLK-31) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA	Small	CF1		
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA	Small	CF1		
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A	Small	CF1		
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA	Small	CF1		
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA	Small	CF1		
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA	Small	CF1		
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF1		
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF1		
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA	Large			
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small			
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA	Small			
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA	Small			
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small			
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large			
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small			
4	HANG	NUT	M 20			0.065	1	SS400	Purchase			
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase			
4	HANG	INUT	20			0.383	2	SS400	Purchase			
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small			
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH		
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH		
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH		
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1		
2		RB	19 φ	600	2.230	1.34	3	SS400	Small	MW1		
								YSJ4-YSJ5 3.0m				6147 kg
								2@ YSJ4-YSJ5 3.0m				12294 kg
								BLK-23(BLK-31)				171586 kg

Bago Bridge Main Girder BLK-24(BLK-30) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)		4786 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		19144 kg		

Bago Bridge Main Girder BLK-24(BLK-30) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
							YSJ1-YSJ2(YSJ7-YSJ8)		5427 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		21708 kg		

Bago Bridge Main Girder BLK-24(BLK-30) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A	Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA	Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA	Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A	Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA	Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	Small	70
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	12810 kg		
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	51240 kg		

Bago Bridge Main Girder BLK-24(BLK-30) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7985 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							31940 kg				

Bago Bridge Main Girder BLK-24(BLK-30) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1920	125.6	210	210	SM400A		Small	
2	RIB	PL	220* 22	2472	172.7	93.9	188	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1467	139.0	204	204	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400		Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T		Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A		Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A		Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A		Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D3
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D3

Material Quantities Calculation

(Unit : mm,kg)

2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D3
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D3
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D3
1	D-FLG	PL	150* 10	715	78.50	8.42	8	SM400A	Small	D3
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C18
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C18
1	CAB-W	PL	2280* 25	2472	196.2	1106	1106	SM490YB	Small	C18
1	CAB-R	PL	200* 25	1830	196.2	71.8	72	SM490YB	Small	C18
1	CAB-W	PL	1420* 25	2472	196.2	689	689	SM490YB	Small	C18
1	CAB-R	PL	200* 25	1560	196.2	61.2	61	SM490YB	Small	C18
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C18
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C18
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C18 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small	
6	HANG	NUT	M 20			0.065	1	SS400	Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
6	HANG	INUT	20			0.383	2	SS400	Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2
							YSJ4-YSJ5 6.0m		17932 kg	
							2@ YSJ4-YSJ5 6.0m		35864 kg	

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder BLK-24(BLK-30) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT	20			0.383	2	SS400		Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A		Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA		Small	MW1
2		RB	19 φ	600	2.230	1.34	3	SS400		Small	MW1
							YSJ4-YSJ5 3.0m	6147 kg			
							2@ YSJ4-YSJ5 3.0m	12294 kg			
							BLK-24(BLK-30)	172190 kg			

Bago Bridge Main Girder BLK-25(BLK-29) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small		
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small		
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small		
1		PL	342* 6	9000	47.10	145	145	SS400		Small		
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small		
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small		
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small		
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger		
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small		
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small		
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small		
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small		
							LB1-YSJ1(YSJ8-RB1)					4786 kg
							4@ LB1-YSJ1(YSJ8-RB1)					19144 kg

Bago Bridge Main Girder BLK-25(BLK-29) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large		
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small		
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small		
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small		
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					5427 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					21708 kg

Bago Bridge Main Girder BLK-25(BLK-29) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A	Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A	Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA	Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA	Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A	Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A	Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A	Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA	Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA	Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A	Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA	Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA	Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA	Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA	Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA	Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA	Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA	Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA	Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA	Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A	Small	MD1
1		PL	680* 9	880	70.65	42.3	42	SM400A	Small	MD1
1		PL	747* 8	780	62.80	36.6	37	SM400A	Small	MD1
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A	Small	MD1
8	SPL	PL	155* 10	320	78.50	3.89	31	SS400	Small	MD1
32		TCB	M 22* 65			0.508	16	S10T	Purchase	MD1
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)		13221 kg	
							4@ YSJ2-YSJ3(YSJ6-YSJ7)		52884 kg	

Bago Bridge Main Girder BLK-25(BLK-29) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A	Large		
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A	Small		
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A	Small		
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A	Small		
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A	Small		
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A	Small		
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A	Small		
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A	Small		
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A	Small		
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA	Small		
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA	Small		
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A	Small		
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A	Small		
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A	Small		
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A	Small		
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA	Large		
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA	Small		
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400	Small		
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small		
							YSJ3-YSJ4(YSJ5-YSJ6)	7985 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	31940 kg			

Bago Bridge Main Girder BLK-25(BLK-29) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	1960	125.6	214	214	SM400A		Small	
2	RIB	PL	220* 22	2472	172.7	93.9	188	SM400A		Small	
1	PIPE	STK	457.2* 12.7	1542	139.0	214	214	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2

Material Quantities Calculation

(Unit : mm,kg)

8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400	Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T	Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A	Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A	Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A	Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T	Purchase	D2
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A	Small	D3
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A	Small	D3
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A	Small	D3
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A	Small	D3
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A	Small	D3
1	D-FLG	PL	150* 10	715	78.50	8.42	8	SM400A	Small	D3
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA	Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA	Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA	Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA	Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA	Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA	Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A	Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A	Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA	Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA	Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA	Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA	Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA	Small	
1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C19
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C19
1	CAB-W	PL	2370* 25	2472	196.2	1150	1150	SM490YB	Small	C19
1	CAB-R	PL	200* 25	1790	196.2	70.2	70	SM490YB	Small	C19
1	CAB-W	PL	1460* 25	2472	196.2	708	708	SM490YB	Small	C19
1	CAB-R	PL	200* 25	1540	196.2	60.4	60	SM490YB	Small	C19
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C19
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C19
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C19 plating
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small	
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small	
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small	

Material Quantities Calculation

(Unit : mm,kg)

3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70	Small	
6	HANG	NUT	M 20			0.065	1	SS400		Purchase	
6	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
6	HANG	INUT		20		0.383	2	SS400		Purchase	
1		PL	2020* 16	2020	125.6	512	512	SM400A		Small	MD2
1		PL	1120* 9	1120	70.65	88.6	89	SM400A		Small	MD2
2		FB	100* 6	900	4.710	4.24	8	SS400		Small	MD2
2		PL	220* 22	2472	172.7	93.9	188	SM400A		Small	MD2
YSJ4-YSJ5 6.0m							18006 kg				
2@ YSJ4-YSJ5 6.0m							36012 kg				

Bago Bridge Main Girder BLK-25(BLK-29) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA		Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
4	HANG	NUT	M 20			0.065	1	SS400		Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400		Purchase	
4	HANG	INUT		20		0.383	2	SS400		Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A		Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA		Small	MW1
2		RB	19 ϕ	600	2.230	1.34	3	SS400		Small	MW1

Material Quantities Calculation

(Unit : mm,kg)

YSJ4-YSJ5 3.0m	6147 kg
2@ YSJ4-YSJ5 3.0m	12294 kg
BLK-25(BLK-29)	173982 kg

Bago Bridge Main Girder BLK-26(BLK-28) LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	9000	125.6	2182	2182	SM400A		Large	
1	RIB-O	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-O	U	320* 240* 8	2630	42.30	111	333	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	8990	70.65	244	244	SM400A		Small	
1	ST-F	PL	100* 10	8990	78.50	70.6	71	SM400A		Small	
1		PL	342* 6	9000	47.10	145	145	SS400		Small	
4	BR-W	PL	692* 9	1899	70.65	69.6	278	SM490YA	75	Small	
4	BR-F	PL	240* 15	1803	117.8	51.0	204	SM490YA		Small	
4	BR-STF	PL	100* 9	544	70.65	3.84	15	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	
4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400		Small	
							LB1-YSJ1(YSJ8-RB1)	4786 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	19144 kg			

Bago Bridge Main Girder BLK-26(BLK-28) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	2560* 16	9000	125.6	2894	2894	SM400A		Large	
4	URIB-O	U	320* 240* 8	8990	42.30	380	1520	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1167* 9	2555	70.65	158	632	SM490YA	75	Small	
4	BR-F	PL	240* 15	2590	117.8	73.2	293	SM490YA		Small	
4	BR-STF	PL	100* 9	785	70.65	5.55	22	SM400A		Small	
4	BR-STF	PL	100* 9	1026	70.65	7.25	29	SM400A		Small	
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger	
							YSJ1-YSJ2(YSJ7-YSJ8)	5427 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	21708 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder BLK-26(BLK-28) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	9000	125.6	3459	3459	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
1	URIB-O	U	320* 240* 8	8990	42.30	380	380	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
4	BR-W	PL	1412* 9	1387	70.65	83.0	332	SM490YA	60	Small	
4	BR-F	PL	240* 15	1421	117.8	40.2	161	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	
2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A		Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A		Small	
2	YR-UW	PL	1459* 9	2323	70.65	239	478	SM490YA		Small	
2	YR-UF	PL	240* 10	1712	78.50	32.3	65	SM490YA		Small	
2	YR-LW	PL	527* 9	1507	70.65	56.1	112	SM400A		Small	
2	YR-LF	PL	230* 10	1524	78.50	27.5	55	SM400A		Small	
2	YR-VSTF	PL	100* 9	956	70.65	6.75	14	SM400A		Small	
1	WEB-O	PL	484* 14	9000	109.9	479	479	SM490YA		Large	
1	WEB-O	PL	2560* 14	9000	109.9	2532	2532	SM490YA		Large	
2	VSTF	PL	170* 14	864	109.9	16.1	32	SM400A		Small	
5	HSTF	PL	160* 16	516	125.6	10.4	52	SM490YA		Small	
6	HSTF	PL	160* 16	2171	125.6	43.6	262	SM490YA		Small	
3	HSTF	PL	160* 16	2061	125.6	41.4	124	SM490YA		Small	
3	HSTF	PL	160* 16	2066	125.6	41.5	124	SM490YA		Small	
2	HSTF	PL	160* 16	1646	125.6	33.1	66	SM490YA		Small	
1	HSTF	PL	160* 16	1535	125.6	30.8	31	SM490YA		Small	
1	HSTF	PL	160* 16	1540	125.6	30.9	31	SM490YA		Small	
3	HSTF	PL	160* 16	2169	125.6	43.6	131	SM490YA		Small	
1	HSTF	PL	160* 16	1643	125.6	33.0	33	SM490YA		Small	
1	LFLG-IO	PL	1255* 11	9000	86.35	976	976	SM490YA		Large	
2	LF-RIB	PL	160* 16	8990	125.6	181	362	SM490YA		Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400		Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
15	HANG	NUT	M 20			0.065	1	SS400		Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400		Purchase	
15	HANG	INUT	20			0.383	6	SS400		Purchase	
1		PL	1300* 16	1700	125.6	278	278	SM400A		Small	MD1
1		PL	680* 9	880	70.65	42.3	42	SM400A		Small	MD1
1		PL	747* 8	780	62.80	36.6	37	SM400A		Small	MD1
2	DIA	PL	254* 6	308	47.10	3.68	7	SM400A		Small	MD1

Material Quantities Calculation

(Unit : mm,kg)

8	SPL	PL	155* 10	320	78.50	3.89	31	SS400		Small	MD1
32		TCB	M 22* 65			0.508	16	S10T		Purchase	MD1
1		PL	270* 16	630	125.6	21.4	21	SM400A		Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400		Small	HH
6		BN	M 16* 60			0.18	1	SUS304		Purchase	HH
YSJ2-YSJ3(YSJ6-YSJ7)							13221 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							52884 kg				

Bago Bridge Main Girder BLK-26(BLK-28) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	9000	125.6	2504	2504	SM400A		Large	
1	RIB-I	PL	250* 24	8990	188.4	424	424	SM400A		Small	
3	URIB-I	U	320* 240* 8	8990	42.30	380	1140	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	
8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
2	YR-UW	PL	1046* 9	2210	70.65	163	326	SM490YA		Small	
2	YR-UF	PL	240* 10	2258	78.50	42.5	85	SM490YA		Small	
2	YR-LW	PL	527* 9	1905	70.65	70.9	142	SM400A		Small	
2	YR-LF	PL	230* 10	1905	78.50	34.4	69	SM400A		Small	
2	YR-VSTF	PL	100* 9	621	70.65	4.39	9	SM400A		Small	
4	YR-VSTF	PL	100* 9	637	70.65	4.50	18	SM400A		Small	
1	LFLG-I	PL	1910* 11	9000	86.35	1484	1484	SM490YA		Large	
4	LF-RIB	PL	160* 16	8990	125.6	181	724	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
YSJ3-YSJ4(YSJ5-YSJ6)							7985 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							31940 kg				

Bago Bridge Main Girder BLK-26(BLK-28) YSJ4-YSJ5 6.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6000	125.6	2570	2570	SM400A		Large	
2	RIB-I	PL	250* 24	5990	188.4	282	564	SM400A		Small	
4	RIB-I	PL	200* 20	5990	157.0	188	752	SM400A		Small	
1	DOUBLE	PL	870* 16	2105	125.6	230	230	SM400A		Small	
2	RIB	PL	220* 22	2472	172.7	93.9	188	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	PIPE	STK	457.2* 12.7	1612	139.0	224	224	STK400		Small	
12	P-RIB	PL	95* 12	200	94.20	1.79	21	SM400A		Small	
1	P-FLG	PL	664* 19	664	149.2	26.3	26	SM400A	40	Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D2
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D2
1	HSTF	PL	140* 11	2402	86.35	29.0	29	SM400A		Small	D2
2	HSTF	PL	140* 11	911	86.35	11.0	22	SM400A		Small	D2
2	COLLAR	PL	100* 10	1000	78.50	7.85	16	SM400A		Small	D2
4	COLLAR	PL	90* 10	740	78.50	5.23	21	SM400A		Small	D2
1		PL	95* 9	410	70.65	2.75	3	SM400A		Small	D2
1		PL	500* 9	570	70.65	20.1	20	SM400A		Small	D2
2	SPL	PL	165* 9	400	70.65	4.66	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
4	SPL	PL	165* 9	330	70.65	3.85	15	SS400		Small	D2
16	TCB	TCB	M 22* 65			0.508	8	S10T		Purchase	D2
1	HSTF	PL	140* 11	570	86.35	6.89	7	SM400A		Small	D2
4	SPL	PL	100* 9	315	70.65	2.23	9	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
1	COLLAR	PL	100* 10	570	78.50	4.47	4	SM400A		Small	D2
2	COLLAR	PL	100* 10	210	78.50	1.65	3	SM400A		Small	D2
4	SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	D2
8	TCB	TCB	M 22* 65			0.508	4	S10T		Purchase	D2
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D3
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D3
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D3
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D3
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D3
1	D-FLG	PL	150* 10	715	78.50	8.42	8	SM400A		Small	D3
2	YR-W	PL	453* 9	2659	70.65	85.1	170	SM490YA		Small	CF2
2	YR-F	PL	150* 10	1206	78.50	14.2	28	SM490YA		Small	CF2
4	YR-UF	PL	116* 10	453	78.50	4.13	17	SM490YA		Small	CF2
4	YR-LF	PL	111* 16	453	125.6	6.32	25	SM490YA		Small	CF2
1	YR-UW	PL	375* 9	2472	70.65	65.5	66	SM490YA		Small	CF2
1	YR-UF	PL	150* 10	2472	78.50	29.1	29	SM490YA		Small	CF2
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF2
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF2
2	WEB-I	PL	2659* 14	6000	109.9	1753	3506	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	2680	125.6	53.9	108	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	
1	LFLG-I	PL	3410* 11	6000	86.35	1767	1767	SM490YA		Large	
6	LF-RIB	PL	160* 16	5990	125.6	120	720	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	CAB-F	PL	935* 32	2472	251.2	581	581	SM490YB	Small	C20	
2	CAB-F	PL	200* 32	2472	251.2	124	248	SM490YB	Small	C20	
1	CAB-W	PL	2450* 25	2472	196.2	1188	1188	SM490YB	Small	C20	
1	CAB-R	PL	200* 25	1760	196.2	69.1	69	SM490YB	Small	C20	
1	CAB-W	PL	1490* 25	2472	196.2	723	723	SM490YB	Small	C20	
1	CAB-R	PL	200* 25	1520	196.2	59.6	60	SM490YB	Small	C20	
2	CAB-R	PL	455* 25	985	196.2	87.9	176	SM490YB	Small	C20	
4	CAB-R	PL	180* 25	953	196.2	33.6	134	SM490YB	Small	C20	
1	CAB-ANC	PL	750* 110	750	863.5	486	486	SM400C-H	Small	C20 plating	
3	MIZUNUKI	FB	50* 6	498	2.360	1.18	4	SS400	Small		
2	MIZUNUKI	FB	50* 6	492	2.360	1.16	2	SS400	Small		
2	MIZUNUKI	FB	50* 6	247	2.360	0.583	1	SS400	Small		
3	MIZUNUKI	PL	75* 22	75	172.7	0.680	2	SM400A	70 Small		
6	HANG	NUT	M 20			0.065	1	SS400	Purchase		
6	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase		
6	HANG	INUT	20			0.383	2	SS400	Purchase		
1		PL	2020* 16	2020	125.6	512	512	SM400A	Small	MD2	
1		PL	1120* 9	1120	70.65	88.6	89	SM400A	Small	MD2	
2		FB	100* 6	900	4.710	4.24	8	SS400	Small	MD2	
2		PL	220* 22	2472	172.7	93.9	188	SM400A	Small	MD2	
YSJ4-YSJ5 6.0m							18084 kg				
2@ YSJ4-YSJ5 6.0m							36168 kg				

Bago Bridge Main Girder BLK-26(BLK-28) YSJ4-YSJ5 3.0m											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	3000	125.6	1285	1285	SM400A		Large	
2	RIB-I	PL	250* 24	2990	188.4	141	282	SM400A		Small	
4	RIB-I	PL	200* 20	2990	157.0	93.9	376	SM400A		Small	
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	3000	109.9	877	1754	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1180	125.6	23.7	47	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	1560	125.6	31.3	63	SM490YA		Small	
2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	LFLG-I	PL	3410* 11	3000	86.35	883	883	SM490YA	Large	
6	LF-RIB	PL	160* 16	2990	125.6	60.1	361	SM490YA	Small	
4	HANG	NUT	M 20			0.065	1	SS400	Purchase	
4	HANG	BOLT	M 20* 65			0.222	1	SS400	Purchase	
4	HANG	INUT	20			0.383	2	SS400	Purchase	
2		PL	200* 16	200	125.6	5.02	10	SM400A	Small	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	1230* 14	1630	109.9	220	220	SM490YA	Small	MW1
2		RB	19 ϕ	600	2.230	1.34	3	SS400	Small	MW1
YSJ4-YSJ5 3.0m							6147 kg			
2@ YSJ4-YSJ5 3.0m							12294 kg			
BLK-26(BLK-28)							174138 kg			

Bago Bridge Main Girder BLK-27 LB1-YSJ1(YSJ8-RB1)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-O	PL	1930* 16	6380	125.6	1546	1546	SM400A		Large	
1	RIB-O	PL	250* 24	6370	188.4	300	300	SM400A		Small	
1	URIB-O	U	320* 240* 8	6370	42.30	269	269	SM400A		Small	
3	URIB-O	U	320* 240* 8	1757	42.30	74.3	223	SM400A		Small	
4	UR-DIA	PL	254* 6	308	47.10	3.68	15	SM400A		Small	
1	ST-W	PL	384* 9	6370	70.65	173	173	SM400A		Small	
1	ST-F	PL	100* 10	6370	78.50	50.0	50	SM400A		Small	
1		PL	342* 6	6380	47.10	103	103	SS400		Small	
3	BR-W	PL	692* 9	1899	70.65	69.6	209	SM490YA	75	Small	
3	BR-F	PL	240* 15	1803	117.8	51.0	153	SM490YA		Small	
3	BR-STF	PL	100* 9	544	70.65	3.84	12	SM400A		Small	
5	HANG	PL	100* 9	120	70.65	0.848	4	SM400A		Hanger	
1	K-DECK	PL	550* 16	1717	125.6	119	119	SM400A		Small	Lighting
1	K-WEB	PL	384* 9	2144	70.65	58.2	58	SM400A		Small	
3	K-RIB	PL	369* 9	541	70.65	14.1	42	SM400A		Small	
2	K-RIB	PL	367* 9	384	70.65	9.95	20	SM400A		Small	
3	K-WEB	PL	388* 9	1471	70.65	40.3	121	SM400A		Small	
3	K-FLG	PL	100* 10	1146	78.50	9.00	27	SM400A		Small	
2	K-RIB	PL	359* 9	286	70.65	7.26	15	SM400A		Small	
1	K-BASE	PL	350* 22	350	172.7	21.2	21	SM400A		Small	
2	DR-DUB	PL	820* 16	740	125.6	76.2	152	SM400A		Small	
4	DR-H	PL	280* 25	848	196.2	46.6	186	SM400A		Small	
2	DR-H	PL	250* 25	1500	196.2	73.6	147	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	DR-H	FB	50* 6	684	2.360	1.61	6	SS400	Small			
1	KR-DECK	PL	571* 16	1632	125.6	117	117	SM400A	Small	Channel Widening		
1	KR-TOP	PL	391* 9	591	70.65	16.3	16	SM400A	Small			
1	KR-RIB	PL	183* 9	591	70.65	7.64	8	SM400A	Small			
2	KR-RIB	PL	217* 9	591	70.65	9.06	18	SM400A	Small			
3	KR-RIB	PL	369* 9	591	70.65	15.4	46	SM400A	Small			
1	KR-RIB	PL	367* 9	384	70.65	9.95	10	SM400A	Small			
2	KR-WEB	PL	388* 9	1471	70.65	40.3	81	SM400A	Small			
2	KR-FLG	PL	100* 10	1146	78.50	9.00	18	SM400A	Small			
2	KR-RIB	PL	182* 9	827	70.65	10.6	21	SM400A	Small			
1	KR-BASE	PL	450* 9	450	70.65	14.3	14	SM400A	Small			
1	KR-BASE	PL	400* 10	400	78.50	12.6	13	SM400A	Small			
							LB1-YSJ1(YSJ8-RB1)					4333 kg
							2@ LB1-YSJ1(YSJ8-RB1)					8666 kg

Bago Bridge Main Girder BLK-27 YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	DECK-O	PL	2560* 16	6380	125.6	2051	2051	SM400A		Large		
4	URIB-O	U	320* 240* 8	6370	42.30	269	1076	SM400A		Small		
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small		
3	BR-W	PL	1167* 9	2555	70.65	158	474	SM490YA	75	Small		
3	BR-F	PL	240* 15	2590	117.8	73.2	220	SM490YA		Small		
3	BR-STF	PL	100* 9	785	70.65	5.55	17	SM400A		Small		
3	BR-STF	PL	100* 9	1026	70.65	7.25	22	SM400A		Small		
10	HANG	PL	100* 9	120	70.65	0.848	8	SM400A		Hanger		
							YSJ1-YSJ2(YSJ7-YSJ8)					3897 kg
							2@ YSJ1-YSJ2(YSJ7-YSJ8)					7794 kg

Bago Bridge Main Girder BLK-27 YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-IO	PL	3060* 16	6380	125.6	2452	2452	SM400A		Large	
1	RIB-I	PL	250* 24	6370	188.4	300	300	SM400A		Small	
1	URIB-O	U	320* 240* 8	6370	42.30	269	269	SM400A		Small	
3	URIB-I	U	320* 240* 8	6370	42.30	269	807	SM400A		Small	
8	UR-DIA	PL	254* 6	308	47.10	3.68	29	SM400A		Small	
3	BR-W	PL	1412* 9	1387	70.65	83.0	249	SM490YA	60	Small	
3	BR-F	PL	240* 15	1421	117.8	40.2	121	SM490YA		Small	
2	DIA	PL	2606* 9	2626	70.65	387	774	SM400A	80	Small	
2	HSTF	PL	140* 11	2169	86.35	26.2	52	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	HSTF	PL	140* 11	1204	86.35	14.6	29	SM400A	Small	
4	HIKAE	PL	116* 15	500	117.8	6.83	27	SM400A	Small	
1	YR-UW	PL	1459* 9	2323	70.65	239	239	SM490YA	Small	
1	YR-UF	PL	240* 10	1712	78.50	32.3	32	SM490YA	Small	
1	YR-LW	PL	527* 9	1507	70.65	56.1	56	SM400A	Small	
1	YR-LF	PL	230* 10	1524	78.50	27.5	28	SM400A	Small	
1	YR-VSTF	PL	100* 9	956	70.65	6.75	7	SM400A	Small	
1	WEB-O	PL	484* 14	6380	109.9	339	339	SM490YA	Large	
1	WEB-O	PL	2560* 14	6380	109.9	1795	1795	SM490YA	Large	
1	VSTF	PL	170* 14	864	109.9	16.1	16	SM400A	Small	
10	HSTF	PL	160* 16	1646	125.6	33.1	331	SM490YA	Small	
6	HSTF	PL	160* 16	1421	125.6	28.6	172	SM490YA	Small	
2	HSTF	PL	160* 16	1311	125.6	26.4	53	SM490YA	Small	
2	HSTF	PL	160* 16	1316	125.6	26.5	53	SM490YA	Small	
1	LFLG-IO	PL	1255* 11	6380	86.35	691	691	SM490YA	Large	
2	LF-RIB	PL	160* 16	6370	125.6	128	256	SM490YA	Small	
1	MIZUNUKI	FB	50* 6	479	2.360	1.13	1	SS400	Small	
1	MIZUNUKI	FB	50* 6	572	2.360	1.35	1	SS400	Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70 Small	
15	HANG	NUT	M 20			0.065	1	SS400	Purchase	
15	HANG	BOLT	M 20* 65			0.222	3	SS400	Purchase	
15	HANG	INUT	20			0.383	6	SS400	Purchase	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH
							YSJ2-YSJ3(YSJ6-YSJ7)	9252 kg		
							2@ YSJ2-YSJ3(YSJ6-YSJ7)	18504 kg		

Bago Bridge Main Girder BLK-27 YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	2215* 16	6380	125.6	1775	1775	SM400A		Large	
1	RIB-I	PL	250* 24	6370	188.4	300	300	SM400A		Small	
3	URIB-I	U	320* 240* 8	6370	42.30	269	807	SM400A		Small	
6	UR-DIA	PL	254* 6	308	47.10	3.68	22	SM400A		Small	
2	DIA	PL	2206* 9	2650	70.65	413	826	SM400A		Small	
2	HSTF	PL	140* 11	1804	86.35	21.8	44	SM400A		Small	
2	HSTF	PL	140* 11	1611	86.35	19.5	39	SM400A		Small	
6	COLLAR	PL	100* 10	1400	78.50	11.0	66	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

8	COLLAR	PL	90* 10	1040	78.50	7.35	59	SM400A		Small	
1	YR-UW	PL	1046* 9	2210	70.65	163	163	SM490YA		Small	
1	YR-UF	PL	240* 10	2258	78.50	42.5	42	SM490YA		Small	
1	YR-LW	PL	527* 9	1905	70.65	70.9	71	SM400A		Small	
1	YR-LF	PL	230* 10	1905	78.50	34.4	34	SM400A		Small	
1	YR-VSTF	PL	100* 9	621	70.65	4.39	4	SM400A		Small	
2	YR-VSTF	PL	100* 9	637	70.65	4.50	9	SM400A		Small	
1	LFLG-I	PL	1910* 11	6380	86.35	1053	1053	SM490YA		Large	
4	LF-RIB	PL	160* 16	6370	125.6	128	512	SM490YA		Small	
3	MIZUNUKI	FB	50* 6	493	2.360	1.16	3	SS400		Small	
1	MIZUNUKI	PL	75* 22	75	172.7	0.680	1	SM400A	70	Small	
							YSJ3-YSJ4(YSJ5-YSJ6)		5830 kg		
							2@ YSJ3-YSJ4(YSJ5-YSJ6)		11660 kg		

Bago Bridge Main Girder BLK-27 YSJ4-YSJ5											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	DECK-I	PL	3410* 16	6380	125.6	2733	2733	SM400A		Large	
2	RIB-I	PL	250* 24	6370	188.4	300	600	SM400A		Small	
4	RIB-I	PL	200* 20	6370	157.0	200	800	SM400A		Small	
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	DIA	PL	453* 9	2659	70.65	85.1	170	SM400A		Small	D1
1	DIA	PL	2472* 9	2684	70.65	469	469	SM400A		Small	D1
2	HSTF	PL	140* 11	2402	86.35	29.0	58	SM400A		Small	D1
3	COLLAR	PL	100* 10	1100	78.50	8.64	26	SM400A		Small	D1
4	COLLAR	PL	90* 10	1040	78.50	7.35	29	SM400A		Small	D1
2	YR-UW	PL	700* 9	453	70.65	22.4	45	SM490YA		Small	CF1
2	YR-UF	PL	240* 10	453	78.50	8.53	17	SM490YA		Small	CF1
2	YR-LW	PL	527* 9	453	70.65	16.9	34	SM400A		Small	CF1
2	YR-LF	PL	230* 16	453	125.6	13.1	26	SM490YA		Small	CF1
1	YR-UW	PL	725* 9	2472	70.65	127	127	SM490YA		Small	CF1
1	YR-UF	PL	240* 10	2472	78.50	46.6	47	SM490YA		Small	CF1
1	YR-LW	PL	527* 9	2472	70.65	92.1	92	SM400A		Small	CF1
1	YR-LF	PL	230* 10	2472	78.50	44.6	45	SM400A		Small	CF1
2	WEB-I	PL	2659* 14	6380	109.9	1864	3728	SM490YA		Large	
6	LONGIT-RIB	PL	160* 16	6370	125.6	128	768	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	
2	LONGIT-RIB	PL	160* 16	3060	125.6	61.5	123	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	VSTF	PL	140* 11	1412	86.35	17.1	34	SM400A	Small		
1	LFLG-I	PL	3410* 11	6380	86.35	1879	1879	SM490YA	Large		
6	LF-RIB	PL	160* 16	6370	125.6	128	768	SM490YA	Small		
6	MIZUNUKI	FB	50* 6	498	2.360	1.18	7	SS400	Small		
4	MIZUNUKI	FB	50* 6	492	2.360	1.16	5	SS400	Small		
4	MIZUNUKI	FB	50* 6	247	2.360	0.583	2	SS400	Small		
6	MIZUNUKI	PL	75* 22	75	172.7	0.680	4	SM400A	70 Small		
10	HANG	NUT	M 20			0.065	1	SS400	Purchase		
10	HANG	BOLT	M 20* 65			0.222	2	SS400	Purchase		
10	HANG	INUT	20			0.383	4	SS400	Purchase		
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
1		PL	270* 16	630	125.6	21.4	21	SM400A	Small	HH	
1		PL	270* 9	450	70.65	8.58	9	SS400	Small	HH	
6		BN	M 16* 60			0.18	1	SUS304	Purchase	HH	
YSJ4-YSJ5							13580 kg				
BLK-27							60204 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-1(BLK-53)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-1(BLK-53)							34 kg				
2@ BLK-1(BLK-53)							68 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-2(BLK-52)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-2(BLK-52)							34 kg				
2@ BLK-2(BLK-52)							68 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-3(BLK-51)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-3(BLK-51)		34 kg		
							2@ BLK-3(BLK-51)		68 kg		

Bago Bridge Main Girder Cable Rack Holes BLK-4(BLK-50)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-4(BLK-50)		34 kg		
							2@ BLK-4(BLK-50)		68 kg		

Bago Bridge Main Girder Cable Rack Holes BLK-5(BLK-49)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-5(BLK-49)		34 kg		
							2@ BLK-5(BLK-49)		68 kg		

Bago Bridge Main Girder Cable Rack Holes BLK-6(BLK-48)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-6(BLK-48)		34 kg		
							2@ BLK-6(BLK-48)		68 kg		

Bago Bridge Main Girder Cable Rack Holes BLK-7(BLK-47)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-7(BLK-47)		34 kg		
							2@ BLK-7(BLK-47)		68 kg		

Bago Bridge Main Girder Cable Rack Holes BLK-8(BLK-46)											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-8(BLK-46)			34 kg	
							2@ BLK-8(BLK-46)			68 kg	

Bago Bridge Main Girder Cable Rack Holes BLK-9(BLK-45)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-9(BLK-45)			34 kg	
							2@ BLK-9(BLK-45)			68 kg	

Bago Bridge Main Girder Cable Rack Holes BLK-10(BLK-44)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-10(BLK-44)			34 kg	
							2@ BLK-10(BLK-44)			68 kg	

Bago Bridge Main Girder Cable Rack Holes BLK-11(BLK-43)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-11(BLK-43)			34 kg	
							2@ BLK-11(BLK-43)			68 kg	

Bago Bridge Main Girder Cable Rack Holes BLK-14(BLK-40)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-14(BLK-40)			34 kg	
							2@ BLK-14(BLK-40)			68 kg	

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Cable Rack Holes BLK-17(BLK-37)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-17(BLK-37)	34 kg			
							2@ BLK-17(BLK-37)	68 kg			

Bago Bridge Main Girder Cable Rack Holes BLK-18(BLK-36)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-18(BLK-36)	34 kg			
							2@ BLK-18(BLK-36)	68 kg			

Bago Bridge Main Girder Cable Rack Holes BLK-19(BLK-35)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-19(BLK-35)	34 kg			
							2@ BLK-19(BLK-35)	68 kg			

Bago Bridge Main Girder Cable Rack Holes BLK-20(BLK-34)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-20(BLK-34)	34 kg			
							2@ BLK-20(BLK-34)	68 kg			

Bago Bridge Main Girder Cable Rack Holes BLK-21(BLK-33)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
							BLK-21(BLK-33)	34 kg			

Material Quantities Calculation

(Unit : mm,kg)

2@ BLK-21(BLK-33)							68 kg				
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Bago Bridge Main Girder Cable Rack Holes BLK-22(BLK-32)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-22(BLK-32)							34 kg				
2@ BLK-22(BLK-32)							68 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-23(BLK-31)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-23(BLK-31)							34 kg				
2@ BLK-23(BLK-31)							68 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-24(BLK-30)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-24(BLK-30)							34 kg				
2@ BLK-24(BLK-30)							68 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-25(BLK-29)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-25(BLK-29)							34 kg				
2@ BLK-25(BLK-29)							68 kg				

Bago Bridge Main Girder Cable Rack Holes BLK-26(BLK-28)											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	

Material Quantities Calculation

(Unit : mm,kg)

BLK-26(BLK-28)	34 kg
2@ BLK-26(BLK-28)	68 kg

Bago Bridge Main Girder Cable Rack Holes BLK-27											
Qty	Item	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	COLLAR	PL	110* 10	800	78.50	6.91	28	SM400A		Small	
4	COLLAR	PL	100* 10	200	78.50	1.57	6	SM400A		Small	
BLK-27							34 kg				
Cable Rack Holes							1530 kg				
Main Girder							4456472 kg				
Bago Bridge							4456472 kg				

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Main Girder Transverse Joints EJ1(EJ52) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)		150 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		600 kg		

Bago Bridge Main Girder Transverse Joints EJ1(EJ52) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)		166 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg		

Bago Bridge Main Girder Transverse Joints EJ1(EJ52) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating

Material Quantities Calculation

(Unit : mm,kg)

2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA	Small		
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small		
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA	Small		
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA	Small		
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ1(EJ52) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ1(EJ52) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							854 kg				
2@ YSJ4-YSJ5							1708 kg				
EJ1(EJ52)							6600 kg				

Bago Bridge Main Girder Transverse Joints EJ2(EJ51) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ2(EJ51) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
								YSJ1-YSJ2(YSJ7-YSJ8)		166 kg	
								4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg	

Bago Bridge Main Girder Transverse Joints EJ2(EJ51) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
								YSJ2-YSJ3(YSJ6-YSJ7)		576 kg	
								4@ YSJ2-YSJ3(YSJ6-YSJ7)		2304 kg	

Bago Bridge Main Girder Transverse Joints EJ2(EJ51) YSJ3-YSJ4(YSJ5-YSJ6)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ2(EJ51) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							854 kg				
2@ YSJ4-YSJ5							1708 kg				
EJ2(EJ51)							6600 kg				

Bago Bridge Main Girder Transverse Joints EJ3(EJ50) LB1-YSJ1(YSJ8-RB1)											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)	150 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	600 kg			

Bago Bridge Main Girder Transverse Joints EJ3(EJ50) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ3(EJ50) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small		
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA	Small		
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA	Small		
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ3(EJ50) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ3(EJ50) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							854 kg			
2@ YSJ4-YSJ5							1708 kg			
EJ3(EJ50)							6600 kg			

Bago Bridge Main Girder Transverse Joints EJ4(EJ49) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ4(EJ49) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							166 kg				
							4@ YSJ1-YSJ2(YSJ7-YSJ8) 664 kg				

Bago Bridge Main Girder Transverse Joints EJ4(EJ49) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
							576 kg				
							4@ YSJ2-YSJ3(YSJ6-YSJ7) 2304 kg				

Bago Bridge Main Girder Transverse Joints EJ4(EJ49) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
							YSJ3-YSJ4(YSJ5-YSJ6)		331 kg		
							4@ YSJ3-YSJ4(YSJ5-YSJ6)		1324 kg		

Bago Bridge Main Girder Transverse Joints EJ4(EJ49) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
							YSJ4-YSJ5		854 kg		
							2@ YSJ4-YSJ5		1708 kg		
							EJ4(EJ49)		6600 kg		

Bago Bridge Main Girder Transverse Joints EJ5(EJ48) LB1-YSJ1(YSJ8-RB1)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)	150 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	600 kg			

Bago Bridge Main Girder Transverse Joints EJ5(EJ48) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ5(EJ48) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA	Small		
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA	Small		
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ5(EJ48) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ5(EJ48) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							854 kg			
2@ YSJ4-YSJ5							1708 kg			
EJ5(EJ48)							6600 kg			

Bago Bridge Main Girder Transverse Joints EJ6(EJ47) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ6(EJ47) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
								YSJ1-YSJ2(YSJ7-YSJ8)		166 kg	
								4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg	

Bago Bridge Main Girder Transverse Joints EJ6(EJ47) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
1	B-FILL	PL	1480* 3.2	155	25.12	5.76	6	SS400		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
								YSJ2-YSJ3(YSJ6-YSJ7)		582 kg	
								4@ YSJ2-YSJ3(YSJ6-YSJ7)		2328 kg	

Bago Bridge Main Girder Transverse Joints EJ6(EJ47) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400	Small		
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T	Purchase		
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400	Small		
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T	Purchase		
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA	Small		
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA	Small		
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA	Small		
1	B-FILL	PL	1870* 3.2	155	25.12	7.28	7	SS400	Small		
80	B-SPL	TCB	M 22* 70			0.523	42	S10T	Purchase		
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA	Small		
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T	Purchase		
YSJ3-YSJ4(YSJ5-YSJ6)							338 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1352 kg				

Bago Bridge Main Girder Transverse Joints EJ6(EJ47) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
1	B-FILL	PL	2990* 3.2	155	25.12	11.6	12	SS400		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							866 kg				
2@ YSJ4-YSJ5							1732 kg				
EJ6(EJ47)							6676 kg				

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Main Girder Transverse Joints EJ7(EJ46) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)		150 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		600 kg		

Bago Bridge Main Girder Transverse Joints EJ7(EJ46) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)		166 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg		

Bago Bridge Main Girder Transverse Joints EJ7(EJ46) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating

Material Quantities Calculation

(Unit : mm,kg)

2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA	Small		
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small		
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA	Small		
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA	Small		
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ7(EJ46) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ7(EJ46) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							854 kg				
2@ YSJ4-YSJ5							1708 kg				
EJ7(EJ46)							6600 kg				

Bago Bridge Main Girder Transverse Joints EJ8(EJ45) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ8(EJ45) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
YSJ1-YSJ2(YSJ7-YSJ8)							166 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							664 kg				

Bago Bridge Main Girder Transverse Joints EJ8(EJ45) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ8(EJ45) YSJ3-YSJ4(YSJ5-YSJ6)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ8(EJ45) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							854 kg				
2@ YSJ4-YSJ5							1708 kg				
EJ8(EJ45)							6600 kg				

Bago Bridge Main Girder Transverse Joints EJ9(EJ44) LB1-YSJ1(YSJ8-RB1)											
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Material Quantities Calculation

(Unit: mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)	150 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	600 kg			

Bago Bridge Main Girder Transverse Joints EJ9(EJ44) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ9(EJ44) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small		
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA	Small		
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA	Small		
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ9(EJ44) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ9(EJ44) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							854 kg			
2@ YSJ4-YSJ5							1708 kg			
EJ9(EJ44)							6600 kg			

Bago Bridge Main Girder Transverse Joints EJ10(EJ43) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ10(EJ43) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
YSJ1-YSJ2(YSJ7-YSJ8)							166 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							664 kg				

Bago Bridge Main Girder Transverse Joints EJ10(EJ43) YSJ2-YSJ3(YSJ6-YSJ7)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg				

Bago Bridge Main Girder Transverse Joints EJ10(EJ43) YSJ3-YSJ4(YSJ5-YSJ6)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
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Material Quantities Calculation

(Unit : mm,kg)

2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ10(EJ43) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							854 kg				
2@ YSJ4-YSJ5							1708 kg				
EJ10(EJ43)							6600 kg				

Bago Bridge Main Girder Transverse Joints EJ11(EJ42) LB1-YSJ1(YSJ8-RB1)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)	150 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	600 kg			

Bago Bridge Main Girder Transverse Joints EJ11(EJ42) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ11(EJ42) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA	Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA	Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							576 kg			
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2304 kg			

Bago Bridge Main Girder Transverse Joints EJ11(EJ42) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							331 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1324 kg				

Bago Bridge Main Girder Transverse Joints EJ11(EJ42) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							854 kg			
2@ YSJ4-YSJ5							1708 kg			
EJ11(EJ42)							6600 kg			

Bago Bridge Main Girder Transverse Joints EJ12(EJ41) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ12(EJ41) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
								YSJ1-YSJ2(YSJ7-YSJ8)		166 kg	
								4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg	

Bago Bridge Main Girder Transverse Joints EJ12(EJ41) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
1	OW-FILL	PL	350* 3.2	155	25.12	1.36	1	SS400		Small	
1	OW-FILL	PL	2388* 3.2	155	25.12	9.30	9	SS400		Small	
112	OW-SPL	TCB	M 22* 75			0.538	60	S10T		Purchase	
4	OW-SPL	HTB	M 22* 80			0.585	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
10	STF-FILL	PL	80* 2.3	305	18.06	0.441	4	SS400		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
1	B-FILL	PL	1480* 4.5	155	35.32	8.10	8	SS400		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
4	BR-FILL	PL	80* 2.3	305	18.06	0.441	2	SS400		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
								YSJ2-YSJ3(YSJ6-YSJ7)		601 kg	
								4@ YSJ2-YSJ3(YSJ6-YSJ7)		2404 kg	

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Transverse Joints EJ12(EJ41) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA		Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA		Small	
1	B-FILL	PL	1870* 4.5	155	35.32	10.2	10	SS400		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
8	BR-FILL	PL	80* 2.3	305	18.06	0.441	4	SS400		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
							YSJ3-YSJ4(YSJ5-YSJ6)	345 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	1380 kg			

Bago Bridge Main Girder Transverse Joints EJ12(EJ41) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
1	IW-FILL	PL	2540* 4.5	155	35.32	13.9	14	SS400		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 75			0.538	108	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
16	STF-FILL	PL	80* 2.3	305	18.06	0.441	7	SS400		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
1	B-FILL	PL	2990* 4.5	155	35.32	16.4	16	SS400		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

12	BR-FILL	PL	80* 2.3	305	18.06	0.441	5	SS400		Small		
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase		
							YSJ4-YSJ5					899 kg
							2@ YSJ4-YSJ5					1798 kg
							EJ12(EJ41)					6846 kg

Bago Bridge Main Girder Transverse Joints EJ13(EJ40) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small		
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase		
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small		
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase		
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small		
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small		
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating	
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small		
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small		
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase		
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small		
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase		
							LB1-YSJ1(YSJ8-RB1)					150 kg
							4@ LB1-YSJ1(YSJ8-RB1)					600 kg

Bago Bridge Main Girder Transverse Joints EJ13(EJ40) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small		
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase		
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small		
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small		
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating	
							YSJ1-YSJ2(YSJ7-YSJ8)					166 kg
							4@ YSJ1-YSJ2(YSJ7-YSJ8)					664 kg

Bago Bridge Main Girder Transverse Joints EJ13(EJ40) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T	Purchase		
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400	Small		
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T	Purchase		
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400	Small		
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T	Purchase		
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400	Small		
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400	Small		
4	U-COV	BN	M 12* 35			0.073	1	SS400	Purchase	1-W,Plating	
2	OW-SPL-O	PL	350* 10	470	78.50	12.9	26	SM490YA	Small		
1	OW-SPL-O	PL	2388* 10	470	78.50	88.1	88	SM490YA	Small		
2	OW-SPL-I	PL	380* 12	470	94.20	16.8	34	SM490YA	Small		
3	OW-SPL-I	PL	420* 12	470	94.20	18.6	56	SM490YA	Small		
168	OW-SPL	TCB	M 22* 75			0.538	90	S10T	Purchase		
6	OW-SPL	HTB	M 22* 80			0.585	4	F10T	Purchase		
10	STF-SPL	PL	135* 15	720	117.8	11.5	115	SM490YA	Small		
60	STF-SPL	TCB	M 22* 85			0.568	34	S10T	Purchase		
1	B-SPL-O	PL	80* 10	320	78.50	2.01	2	SM490YA	Small		
1	B-SPL-I	PL	360* 10	320	78.50	9.04	9	SM490YA	Small		
2	B-SPL-I	PL	400* 10	320	78.50	10.0	20	SM490YA	Small		
1	B-SPL-O	PL	1480* 10	320	78.50	37.2	37	SM490YA	Small		
52	B-SPL	TCB	M 22* 70			0.523	27	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	135* 15	610	117.8	9.70	39	SM490YA	Small		
20	BR-SPL	TCB	M 22* 85			0.568	11	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							784 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							3136 kg				

Bago Bridge Main Girder Transverse Joints EJ13(EJ40) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 10	320	78.50	10.0	30	SM490YA		Small	
1	B-SPL-I	PL	405* 10	320	78.50	10.2	10	SM490YA		Small	
1	B-SPL-O	PL	1870* 10	320	78.50	47.0	47	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	135* 15	610	117.8	9.70	78	SM490YA		Small	
40	BR-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							376 kg				

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ3-YSJ4(YSJ5-YSJ6)

1504 kg

Bago Bridge Main Girder Transverse Joints EJ13(EJ40) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 10	470	78.50	93.7	187	SM490YA		Small	
2	IW-SPL	PL	420* 11	470	86.35	17.0	34	SM490YA		Small	
4	IW-SPL	PL	460* 11	470	86.35	18.7	75	SM490YA		Small	
2	IW-SPL	PL	450* 11	470	86.35	18.3	37	SM490YA		Small	
2	IW-SPL	PL	440* 11	470	86.35	17.9	36	SM490YA		Small	
2	IW-FILL	PL	2540* 17	235	133.4	79.6	159	SS400		Small	
312	IW-SPL	TCB	M 22* 95			0.598	187	S10T		Purchase	
16	STF-SPL	PL	135* 15	720	117.8	11.5	184	SM490YA		Small	
96	STF-SPL	TCB	M 22* 85			0.568	55	S10T		Purchase	
2	B-SPL-I	PL	185* 10	320	78.50	4.65	9	SM490YA		Small	
2	B-SPL-I	PL	420* 10	320	78.50	10.6	21	SM490YA		Small	
3	B-SPL-I	PL	430* 10	320	78.50	10.8	32	SM490YA		Small	
1	B-SPL-O	PL	2990* 10	320	78.50	75.1	75	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	135* 15	610	117.8	9.70	116	SM490YA		Small	
60	BR-SPL	TCB	M 22* 85			0.568	34	S10T		Purchase	
							YSJ4-YSJ5	1424 kg			
							2@ YSJ4-YSJ5	2848 kg			
							EJ13(EJ40)	8752 kg			

Bago Bridge Main Girder Transverse Joints EJ14(EJ39) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
								LB1-YSJ1(YSJ8-RB1)		150 kg	
								4@ LB1-YSJ1(YSJ8-RB1)		600 kg	

Bago Bridge Main Girder Transverse Joints EJ14(EJ39) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
								YSJ1-YSJ2(YSJ7-YSJ8)		166 kg	
								4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg	

Bago Bridge Main Girder Transverse Joints EJ14(EJ39) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 10	470	78.50	12.9	26	SM490YA		Small	
1	OW-SPL-O	PL	2388* 10	470	78.50	88.1	88	SM490YA		Small	
2	OW-SPL-I	PL	380* 12	470	94.20	16.8	34	SM490YA		Small	
3	OW-SPL-I	PL	420* 12	470	94.20	18.6	56	SM490YA		Small	
168	OW-SPL	TCB	M 22* 75			0.538	90	S10T		Purchase	
6	OW-SPL	HTB	M 22* 80			0.585	4	F10T		Purchase	
10	STF-SPL	PL	135* 15	720	117.8	11.5	115	SM490YA		Small	
60	STF-SPL	TCB	M 22* 85			0.568	34	S10T		Purchase	
1	B-SPL-O	PL	80* 10	320	78.50	2.01	2	SM490YA		Small	
1	B-SPL-I	PL	360* 10	320	78.50	9.04	9	SM490YA		Small	
2	B-SPL-I	PL	400* 10	320	78.50	10.0	20	SM490YA		Small	
1	B-SPL-O	PL	1480* 10	320	78.50	37.2	37	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	135* 15	610	117.8	9.70	39	SM490YA		Small	
20	BR-SPL	TCB	M 22* 85			0.568	11	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							784 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							3136 kg				

Bago Bridge Main Girder Transverse Joints EJ14(EJ39) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
3	B-SPL-I	PL	400* 10	320	78.50	10.0	30	SM490YA		Small	
1	B-SPL-I	PL	405* 10	320	78.50	10.2	10	SM490YA		Small	
1	B-SPL-O	PL	1870* 10	320	78.50	47.0	47	SM490YA		Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T		Purchase	
8	BR-SPL	PL	135* 15	610	117.8	9.70	78	SM490YA		Small	
40	BR-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							376 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1504 kg				

Bago Bridge Main Girder Transverse Joints EJ14(EJ39) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 10	470	78.50	93.7	187	SM490YA		Small	
2	IW-SPL	PL	420* 11	470	86.35	17.0	34	SM490YA		Small	
4	IW-SPL	PL	460* 11	470	86.35	18.7	75	SM490YA		Small	
2	IW-SPL	PL	450* 11	470	86.35	18.3	37	SM490YA		Small	
2	IW-SPL	PL	440* 11	470	86.35	17.9	36	SM490YA		Small	
2	IW-FILL	PL	2540* 17	235	133.4	79.6	159	SS400		Small	
312	IW-SPL	TCB	M 22* 95			0.598	187	S10T		Purchase	
16	STF-SPL	PL	135* 15	720	117.8	11.5	184	SM490YA		Small	
96	STF-SPL	TCB	M 22* 85			0.568	55	S10T		Purchase	
2	B-SPL-I	PL	185* 10	320	78.50	4.65	9	SM490YA		Small	
2	B-SPL-I	PL	420* 10	320	78.50	10.6	21	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

3	B-SPL-I	PL	430* 10	320	78.50	10.8	32	SM490YA	Small	
1	B-SPL-O	PL	2990* 10	320	78.50	75.1	75	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	135* 15	610	117.8	9.70	116	SM490YA	Small	
60	BR-SPL	TCB	M 22* 85			0.568	34	S10T	Purchase	
YSJ4-YSJ5							1424 kg			
2@ YSJ4-YSJ5							2848 kg			
EJ14(EJ39)							8752 kg			

Bago Bridge Main Girder Transverse Joints EJ15(EJ38) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ15(EJ38) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
YSJ1-YSJ2(YSJ7-YSJ8)							166 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							664 kg				

Bago Bridge Main Girder Transverse Joints EJ15(EJ38) YSJ2-YSJ3(YSJ6-YSJ7)											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
1	OW-FILL	PL	350* 3.2	155	25.12	1.36	1	SS400		Small	
1	OW-FILL	PL	2388* 3.2	155	25.12	9.30	9	SS400		Small	
112	OW-SPL	TCB	M 22* 75			0.538	60	S10T		Purchase	
4	OW-SPL	HTB	M 22* 80			0.585	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
10	STF-FILL	PL	80* 2.3	305	18.06	0.441	4	SS400		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
2	B-SPL-I	PL	400* 9	320	70.65	9.04	18	SM490YA		Small	
1	B-SPL-O	PL	1480* 9	320	70.65	33.5	34	SM490YA		Small	
1	B-FILL	PL	1480* 4.5	155	35.32	8.10	8	SS400		Small	
52	B-SPL	TCB	M 22* 70			0.523	27	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
4	BR-FILL	PL	80* 2.3	305	18.06	0.441	2	SS400		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							601 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2404 kg				

Bago Bridge Main Girder Transverse Joints EJ15(EJ38) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA	Small	
1	B-SPL-I	PL	405* 9	320	70.65	9.16	9	SM490YA	Small	
1	B-SPL-O	PL	1870* 9	320	70.65	42.3	42	SM490YA	Small	
1	B-FILL	PL	1870* 4.5	155	35.32	10.2	10	SS400	Small	
80	B-SPL	TCB	M 22* 70			0.523	42	S10T	Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA	Small	
8	BR-FILL	PL	80* 2.3	305	18.06	0.441	4	SS400	Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T	Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)								345 kg		
4@ YSJ3-YSJ4(YSJ5-YSJ6)								1380 kg		

Bago Bridge Main Girder Transverse Joints EJ15(EJ38) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
1	IW-FILL	PL	2540* 4.5	155	35.32	13.9	14	SS400		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 75			0.538	108	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
16	STF-FILL	PL	80* 2.3	305	18.06	0.441	7	SS400		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2990* 9	320	70.65	67.6	68	SM490YA		Small	
1	B-FILL	PL	2990* 4.5	155	35.32	16.4	16	SS400		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
12	BR-FILL	PL	80* 2.3	305	18.06	0.441	5	SS400		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5								899 kg			
2@ YSJ4-YSJ5								1798 kg			
EJ15(EJ38)								6846 kg			

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Main Girder Transverse Joints EJ16(EJ37) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)		150 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		600 kg		

Bago Bridge Main Girder Transverse Joints EJ16(EJ37) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)		166 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg		

Bago Bridge Main Girder Transverse Joints EJ16(EJ37) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating

Material Quantities Calculation

(Unit : mm,kg)

2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA	Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA	Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA	Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA	Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T	Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg			
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg			

Bago Bridge Main Girder Transverse Joints EJ16(EJ37) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg				

Bago Bridge Main Girder Transverse Joints EJ16(EJ37) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ16(EJ37)							6550 kg				

Bago Bridge Main Girder Transverse Joints EJ17(EJ36) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Main Girder Transverse Joints EJ17(EJ36) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ17(EJ36) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
							YSJ2-YSJ3(YSJ6-YSJ7)	560 kg			

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ2-YSJ3(YSJ6-YSJ7)

2240 kg

Bago Bridge Main Girder Transverse Joints EJ17(EJ36) YSJ3-YSJ4(YSJ5-YSJ6)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
							YSJ3-YSJ4(YSJ5-YSJ6)	327 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	1308 kg			

Bago Bridge Main Girder Transverse Joints EJ17(EJ36) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

YSJ4-YSJ5	869 kg
2@ YSJ4-YSJ5	1738 kg
EJ17(EJ36)	6550 kg

Bago Bridge Main Girder Transverse Joints EJ18(EJ35) LB1-YSJ1(YSJ8-RB1)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ18(EJ35) YSJ1-YSJ2(YSJ7-YSJ8)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
YSJ1-YSJ2(YSJ7-YSJ8)							166 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							664 kg				

Bago Bridge Main Girder Transverse Joints EJ18(EJ35) YSJ2-YSJ3(YSJ6-YSJ7)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400	Small		
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T	Purchase		
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400	Small		
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400	Small		
4	U-COV	BN	M 12* 35			0.073	1	SS400	Purchase	1-W,Plating	
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA	Small		
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small		
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA	Small		
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA	Small		
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA	Small		
44	B-SPL	TCB	M 22* 70			0.523	23	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ18(EJ35) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Transverse Joints EJ18(EJ35) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ18(EJ35)							6550 kg				

Bago Bridge Main Girder Transverse Joints EJ19(EJ34) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)		150 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		600 kg		

Bago Bridge Main Girder Transverse Joints EJ19(EJ34) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)		166 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg		

Bago Bridge Main Girder Transverse Joints EJ19(EJ34) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
							YSJ2-YSJ3(YSJ6-YSJ7)				
							560 kg				
							4@ YSJ2-YSJ3(YSJ6-YSJ7)				
							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ19(EJ34) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
							YSJ3-YSJ4(YSJ5-YSJ6)				
							327 kg				
							4@ YSJ3-YSJ4(YSJ5-YSJ6)				
							1308 kg				

Bago Bridge Main Girder Transverse Joints EJ19(EJ34) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA	Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							869 kg			
2@ YSJ4-YSJ5							1738 kg			
EJ19(EJ34)							6550 kg			

Bago Bridge Main Girder Transverse Joints EJ20(EJ33) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ20(EJ33) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
YSJ1-YSJ2(YSJ7-YSJ8)							166 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							664 kg				

Bago Bridge Main Girder Transverse Joints EJ20(EJ33) YSJ2-YSJ3(YSJ6-YSJ7)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ20(EJ33) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA	Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T	Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg			
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg			

Bago Bridge Main Girder Transverse Joints EJ20(EJ33) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ20(EJ33)							6550 kg				

Bago Bridge Main Girder Transverse Joints EJ21(EJ32) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 φ	280	1.040	0.291	1	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

8	U-COV	BN	M 12* 35			0.073	1	SS400	Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400	Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400	Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T	Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400	Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T	Purchase	
LB1-YSJ1(YSJ8-RB1)								150 kg		
4@ LB1-YSJ1(YSJ8-RB1)								600 kg		

Bago Bridge Main Girder Transverse Joints EJ21(EJ32) YSJ1-YSJ2(YSJ7-YSJ8)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400	Purchase	1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)								166 kg			
4@ YSJ1-YSJ2(YSJ7-YSJ8)								664 kg			

Bago Bridge Main Girder Transverse Joints EJ21(EJ32) YSJ2-YSJ3(YSJ6-YSJ7)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400	Purchase	1-W,Plating	
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA	Small		
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA	Small		
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA	Small		
44	B-SPL	TCB	M 22* 70			0.523	23	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ21(EJ32) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg				

Bago Bridge Main Girder Transverse Joints EJ21(EJ32) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ21(EJ32)							6550 kg				

Bago Bridge Main Girder Transverse Joints EJ22(EJ31) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ22(EJ31) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating

Material Quantities Calculation

(Unit : mm,kg)

YSJ1-YSJ2(YSJ7-YSJ8)	166 kg
4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg

Bago Bridge Main Girder Transverse Joints EJ22(EJ31) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 φ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ22(EJ31) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA	Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA	Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA	Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA	Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T	Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA	Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T	Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg			
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg			

Bago Bridge Main Girder Transverse Joints EJ22(EJ31) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ22(EJ31)							6550 kg				

Bago Bridge Main Girder Transverse Joints EJ23(EJ30) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)		150 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		600 kg		

Bago Bridge Main Girder Transverse Joints EJ23(EJ30) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)		166 kg		
							4@ YSJ1-YSJ2(YSJ7-YSJ8)		664 kg		

Bago Bridge Main Girder Transverse Joints EJ23(EJ30) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ23(EJ30) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg				

Bago Bridge Main Girder Transverse Joints EJ23(EJ30) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small		
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small		
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small		
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase		
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small		
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase		
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA	Small		
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small		
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small		
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small		
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA	Small		
124	B-SPL	TCB	M 22* 70			0.523	65	S10T	Purchase		
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small		
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase		
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ23(EJ30)							6550 kg				

Bago Bridge Main Girder Transverse Joints EJ24(EJ29) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
LB1-YSJ1(YSJ8-RB1)							150 kg				
4@ LB1-YSJ1(YSJ8-RB1)							600 kg				

Bago Bridge Main Girder Transverse Joints EJ24(EJ29) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
YSJ1-YSJ2(YSJ7-YSJ8)							166 kg				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							664 kg				

Bago Bridge Main Girder Transverse Joints EJ24(EJ29) YSJ2-YSJ3(YSJ6-YSJ7)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ24(EJ29) YSJ3-YSJ4(YSJ5-YSJ6)

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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg				

Bago Bridge Main Girder Transverse Joints EJ24(EJ29) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							869 kg				
2@ YSJ4-YSJ5							1738 kg				
EJ24(EJ29)							6550 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Transverse Joints EJ25(EJ28) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)	150 kg			
							4@ LB1-YSJ1(YSJ8-RB1)	600 kg			

Bago Bridge Main Girder Transverse Joints EJ25(EJ28) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ25(EJ28) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	U-COV	BN	M 12* 35			0.073	1	SS400	Purchase	1-W,Plating	
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA	Small		
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA	Small		
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA	Small		
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA	Small		
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T	Purchase		
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA	Small		
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T	Purchase		
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA	Small		
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA	Small		
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA	Small		
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA	Small		
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA	Small		
44	B-SPL	TCB	M 22* 70			0.523	23	S10T	Purchase		
4	B-SPL	HTB	M 22* 75			0.57	2	F10T	Purchase		
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA	Small		
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T	Purchase		
YSJ2-YSJ3(YSJ6-YSJ7)							560 kg				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							2240 kg				

Bago Bridge Main Girder Transverse Joints EJ25(EJ28) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
YSJ3-YSJ4(YSJ5-YSJ6)							327 kg				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							1308 kg				

Bago Bridge Main Girder Transverse Joints EJ25(EJ28) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400	Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T	Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400	Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T	Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA	Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA	Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
							YSJ4-YSJ5		869 kg	
							2@ YSJ4-YSJ5		1738 kg	
							EJ25(EJ28)		6550 kg	

Bago Bridge Main Girder Transverse Joints EJ26(EJ27) LB1-YSJ1(YSJ8-RB1)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-O	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-O	TCB	M 22* 95			0.598	7	S10T		Purchase	
8	U-SPL-O	PL	155* 19	320	149.2	7.40	59	SS400		Small	
32	U-SPL-O	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	U-COV	PL	120* 6	460	47.10	2.60	5	SS400		Small	
2	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
8	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
1	ST-SPL	PL	239* 16	320	125.6	9.61	10	SS400		Small	
1	ST-SPL	PL	319* 16	320	125.6	12.8	13	SS400		Small	
12	ST-SPL	TCB	M 22* 80			0.553	7	S10T		Purchase	
2	ST-SPL	PL	80* 9	320	70.65	1.81	4	SS400		Small	
4	ST-SPL	TCB	M 22* 65			0.508	2	S10T		Purchase	
							LB1-YSJ1(YSJ8-RB1)		150 kg		
							4@ LB1-YSJ1(YSJ8-RB1)		600 kg		

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Transverse Joints EJ26(EJ27) YSJ1-YSJ2(YSJ7-YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	U-SPL-O	PL	155* 19	320	149.2	7.40	118	SS400		Small	
64	U-SPL-O	TCB	M 22* 85			0.568	36	S10T		Purchase	
4	U-COV	PL	120* 6	460	47.10	2.60	10	SS400		Small	
4	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
16	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
							YSJ1-YSJ2(YSJ7-YSJ8)	166 kg			
							4@ YSJ1-YSJ2(YSJ7-YSJ8)	664 kg			

Bago Bridge Main Girder Transverse Joints EJ26(EJ27) YSJ2-YSJ3(YSJ6-YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
4	U-SPL-O	PL	155* 19	320	149.2	7.40	30	SS400		Small	
16	U-SPL-O	TCB	M 22* 85			0.568	9	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	U-COV	PL	120* 6	460	47.10	2.60	3	SS400		Small	
1	U-COV	RB	13 ϕ	280	1.040	0.291	1	SS400		Small	
4	U-COV	BN	M 12* 35			0.073	1	SS400		Purchase	1-W,Plating
2	OW-SPL-O	PL	350* 9	320	70.65	7.91	16	SM490YA		Small	
1	OW-SPL-O	PL	2388* 9	320	70.65	54.0	54	SM490YA		Small	
2	OW-SPL-I	PL	380* 10	320	78.50	9.55	19	SM490YA		Small	
3	OW-SPL-I	PL	420* 10	320	78.50	10.6	32	SM490YA		Small	
112	OW-SPL	TCB	M 22* 70			0.523	59	S10T		Purchase	
4	OW-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
10	STF-SPL	PL	80* 15	620	117.8	5.84	58	SM490YA		Small	
40	STF-SPL	TCB	M 22* 85			0.568	23	S10T		Purchase	
1	B-SPL-O	PL	80* 9	320	70.65	1.81	2	SM490YA		Small	
1	B-SPL-I	PL	360* 9	320	70.65	8.14	8	SM490YA		Small	
1	B-SPL-I	PL	400* 9	320	70.65	9.04	9	SM490YA		Small	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
1	B-SPL-O	PL	1210* 9	320	70.65	27.4	27	SM490YA		Small	
44	B-SPL	TCB	M 22* 70			0.523	23	S10T		Purchase	
4	B-SPL	HTB	M 22* 75			0.57	2	F10T		Purchase	
4	BR-SPL	PL	80* 15	620	117.8	5.84	23	SM490YA		Small	
16	BR-SPL	TCB	M 22* 85			0.568	9	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

YSJ2-YSJ3(YSJ6-YSJ7)	560 kg
4@ YSJ2-YSJ3(YSJ6-YSJ7)	2240 kg

Bago Bridge Main Girder Transverse Joints EJ26(EJ27) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	UR-SPL-I	PL	175* 18	470	141.3	11.6	23	SS400		Small	
12	UR-SPL-I	TCB	M 22* 95			0.598	7	S10T		Purchase	
12	U-SPL-I	PL	155* 19	320	149.2	7.40	89	SS400		Small	
48	U-SPL-I	TCB	M 22* 85			0.568	27	S10T		Purchase	
1	B-SPL-I	PL	160* 9	320	70.65	3.62	4	SM490YA		Small	
3	B-SPL-I	PL	400* 9	320	70.65	9.04	27	SM490YA		Small	
1	B-SPL-I	PL	190* 9	320	70.65	4.30	4	SM490YA		Small	
1	B-SPL-O	PL	1830* 9	320	70.65	41.4	41	SM490YA		Small	
76	B-SPL	TCB	M 22* 70			0.523	40	S10T		Purchase	
8	BR-SPL	PL	80* 15	620	117.8	5.84	47	SM490YA		Small	
32	BR-SPL	TCB	M 22* 85			0.568	18	S10T		Purchase	
							YSJ3-YSJ4(YSJ5-YSJ6)	327 kg			
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	1308 kg			

Bago Bridge Main Girder Transverse Joints EJ26(EJ27) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	80* 9	320	70.65	1.81	4	SM490YA		Small	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	3330* 9	320	70.65	75.3	75	SM490YA		Small	
124	B-SPL	TCB	M 22* 70			0.523	65	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

YSJ4-YSJ5	869 kg
2@ YSJ4-YSJ5	1738 kg
EJ26(EJ27)	6550 kg
Main Girder Transverse Joints	175922 kg
Bago Bridge	175922 kg

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Transverse Joints EJ1EM(EJ51EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							852 kg				
2@ YSJ4-YSJ5							1704 kg				
EJ1EM(EJ51EM)							1704 kg				

Bago Bridge Main Girder Transverse Joints EJ2EM(EJ50EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							852 kg			
2@ YSJ4-YSJ5							1704 kg			
EJ2EM(EJ50EM)							1704 kg			

Bago Bridge Main Girder Transverse Joints EJ3EM(EJ49EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							852 kg				
2@ YSJ4-YSJ5							1704 kg				
EJ3EM(EJ49EM)							1704 kg				

Bago Bridge Main Girder Transverse Joints EJ4EM(EJ48EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400	Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T	Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							852 kg			
2@ YSJ4-YSJ5							1704 kg			
EJ4EM(EJ48EM)							1704 kg			

Bago Bridge Main Girder Transverse Joints EJ5EM(EJ47EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

YSJ4-YSJ5	852 kg
2@ YSJ4-YSJ5	1704 kg
EJ5EM(EJ47EM)	1704 kg

Bago Bridge Main Girder Transverse Joints EJ6EM(EJ46EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA		Small	
1	B-FILL	PL	2930* 3.2	155	25.12	11.4	11	SS400		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							863 kg				
2@ YSJ4-YSJ5							1726 kg				
EJ6EM(EJ46EM)							1726 kg				

Bago Bridge Main Girder Transverse Joints EJ7EM(EJ45EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							852 kg			
2@ YSJ4-YSJ5							1704 kg			
EJ7EM(EJ45EM)							1704 kg			

Bago Bridge Main Girder Transverse Joints EJ8EM(EJ44EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							852 kg				
2@ YSJ4-YSJ5							1704 kg				

Material Quantities Calculation

(Unit : mm,kg)

EJ8EM(EJ44EM)	1704 kg
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Bago Bridge Main Girder Transverse Joints EJ9EM(EJ43EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA		Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA		Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA		Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							852 kg				
2@ YSJ4-YSJ5							1704 kg				
EJ9EM(EJ43EM)							1704 kg				

Bago Bridge Main Girder Transverse Joints EJ10EM(EJ42EM) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2	B-SPL-I	PL	185* 9	320	70.65	4.18	8	SM490YA	Small	
2	B-SPL-I	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
3	B-SPL-I	PL	430* 9	320	70.65	9.72	29	SM490YA	Small	
1	B-SPL-O	PL	2930* 9	320	70.65	66.2	66	SM490YA	Small	
116	B-SPL	TCB	M 22* 70			0.523	61	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							852 kg			
2@ YSJ4-YSJ5							1704 kg			
EJ10EM(EJ42EM)							1704 kg			

Bago Bridge Main Girder Transverse Joints YJ16(YJ36) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							669 kg				
2@ YSJ4-YSJ5							1338 kg				
YJ16(YJ36)							1338 kg				

Bago Bridge Main Girder Transverse Joints YJ17(YJ35) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small		
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small		
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small		
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase		
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small		
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase		
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small		
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase		
YSJ4-YSJ5							669 kg				
2@ YSJ4-YSJ5							1338 kg				
YJ17(YJ35)							1338 kg				

Bago Bridge Main Girder Transverse Joints YJ18(YJ34) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							669 kg				
2@ YSJ4-YSJ5							1338 kg				
YJ18(YJ34)							1338 kg				

Bago Bridge Main Girder Transverse Joints YJ19(YJ33) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
							YSJ4-YSJ5		669 kg	
							2@ YSJ4-YSJ5		1338 kg	
							YJ19(YJ33)		1338 kg	

Bago Bridge Main Girder Transverse Joints YJ20(YJ32) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
							YSJ4-YSJ5		669 kg		
							2@ YSJ4-YSJ5		1338 kg		
							YJ20(YJ32)		1338 kg		

Bago Bridge Main Girder Transverse Joints YJ21(YJ31) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							669 kg				
2@ YSJ4-YSJ5							1338 kg				
YJ21(YJ31)							1338 kg				

Bago Bridge Main Girder Transverse Joints YJ22(YJ30) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400		Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T		Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA		Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA		Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA		Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA		Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T		Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA		Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T		Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA		Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T		Purchase	
YSJ4-YSJ5							669 kg				
2@ YSJ4-YSJ5							1338 kg				
YJ22(YJ30)							1338 kg				

Bago Bridge Main Girder Transverse Joints YJ23(YJ29) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400		Small	
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400	Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T	Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							669 kg			
2@ YSJ4-YSJ5							1338 kg			
YJ23(YJ29)							1338 kg			

Bago Bridge Main Girder Transverse Joints YJ24(YJ28) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400	Small		
24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T	Purchase		
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400	Small		
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T	Purchase		
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small		
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small		
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small		
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small		
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase		
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small		
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase		
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small		
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase		
YSJ4-YSJ5							669 kg				
2@ YSJ4-YSJ5							1338 kg				
YJ24(YJ28)							1338 kg				

Bago Bridge Main Girder Transverse Joints YJ25(YJ27) YSJ4-YSJ5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	UR-SPL-I	PL	175* 18	470	141.3	11.6	46	SS400	Small		

Material Quantities Calculation

(Unit: mm,kg)

24	UR-SPL-I	TCB	M 22* 95			0.598	14	S10T	Purchase	
8	UR-SPL-I	PL	155* 14	320	109.9	5.45	44	SS400	Small	
32	UR-SPL-I	TCB	M 22* 85			0.568	18	S10T	Purchase	
2	IW-SPL	PL	2540* 9	320	70.65	57.4	115	SM490YA	Small	
2	IW-SPL	PL	420* 9	320	70.65	9.50	19	SM490YA	Small	
6	IW-SPL	PL	460* 9	320	70.65	10.4	62	SM490YA	Small	
2	IW-SPL	PL	440* 9	320	70.65	9.95	20	SM490YA	Small	
200	IW-SPL	TCB	M 22* 70			0.523	105	S10T	Purchase	
16	STF-SPL	PL	80* 15	620	117.8	5.84	93	SM490YA	Small	
64	STF-SPL	TCB	M 22* 85			0.568	36	S10T	Purchase	
12	BR-SPL	PL	80* 15	620	117.8	5.84	70	SM490YA	Small	
48	BR-SPL	TCB	M 22* 85			0.568	27	S10T	Purchase	
YSJ4-YSJ5							669 kg			
2@ YSJ4-YSJ5							1338 kg			
YJ25(YJ27)							1338 kg			
Main Girder Transverse Joints							30442 kg			
Bago Bridge							30442 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Longitudinal Joints BLK-1(BLK-53) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	BRW-SPL	PL	598* 9	315	70.65	13.3	27	SM490YA		Small	
24	BRW-SPL	TCB	M 22* 65			0.508	12	S10T		Purchase	
2	BRF-SPL	PL	305* 9	315	70.65	6.79	14	SM490YA		Small	
16	BRF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
2	BRE-SPL	PL	314* 9	165	70.65	3.66	7	SM490YA		Small	
8	BRE-SPL	TCB	M 22* 65			0.508	4	S10T		Purchase	
2	BRW-SPL	PL	598* 9	315	70.65	13.3	27	SM490YA		Small	
24	BRW-SPL	TCB	M 22* 65			0.508	12	S10T		Purchase	
2	BRF-SPL	PL	155* 9	315	70.65	3.45	7	SM490YA		Small	
1	BRF-SPL	PL	360* 9	315	70.65	8.01	8	SM490YA		Small	
16	BRF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
YSJ1(YSJ8)							134 kg				
4@ YSJ1(YSJ8)							536 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-1(BLK-53) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	BRW-SPL	PL	1086* 9	465	70.65	35.7	71	SM490YA		Small	
64	BRW-SPL	TCB	M 22* 65			0.508	33	S10T		Purchase	
2	BRF-SPL	PL	305* 9	315	70.65	6.79	14	SM490YA		Small	
16	BRF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
2	BRE-SPL	PL	314* 9	165	70.65	3.66	7	SM490YA		Small	
8	BRE-SPL	TCB	M 22* 65			0.508	4	S10T		Purchase	
2	BRW-SPL	PL	1086* 9	465	70.65	35.7	71	SM490YA		Small	
64	BRW-SPL	TCB	M 22* 65			0.508	33	S10T		Purchase	
2	BRF-SPL	PL	155* 9	315	70.65	3.45	7	SM490YA		Small	
1	BRF-SPL	PL	360* 9	315	70.65	8.01	8	SM490YA		Small	
16	BRF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
YSJ2(YSJ7)							264 kg				
4@ YSJ2(YSJ7)							1056 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-1(BLK-53) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
10	RIB-SPL	PL	180* 16	470	125.6	10.6	106	SS400		Small	
60	RIB-SPL	TCB	M 22* 90			0.583	35	S10T		Purchase	
2	BW-SPL	PL	2080* 9	465	70.65	68.3	137	SM490YA		Small	
134	BW-SPL	TCB	M 22* 70			0.523	70	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

2	BE-SPL	PL	314* 9	315	70.65	6.99	14	SM490YA	Small	
16	BE-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
2	BW-SPL	PL	2530* 9	465	70.65	83.1	166	SM490YA	Small	
132	BW-SPL	TCB	M 22* 70			0.523	69	S10T	Purchase	
1	BF-SPL	PL	2735* 9	320	70.65	61.8	62	SM490YA	Small	
1	BF-SPL	PL	280* 10	320	78.50	7.03	7	SM490YA	Small	
3	BF-SPL	PL	330* 10	320	78.50	8.29	25	SM490YA	Small	
1	BF-SPL	PL	380* 10	320	78.50	9.55	10	SM490YA	Small	
1	BF-SPL	PL	725* 10	320	78.50	18.2	18	SM490YA	Small	
124	BF-SPL	TCB	M 22* 70			0.523	65	S10T	Purchase	
8	BFR-SPL	PL	110* 15	770	117.8	9.98	80	SM490YA	Small	
32	BFR-SPL	TCB	M 22* 85			0.568	18	S10T	Purchase	
YSJ4(YSJ5)							890 kg			
4@ YSJ4(YSJ5)							3560 kg			
BLK-1(BLK-53)							5152 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ3(YSJ6)											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 70			0.523	87	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							923 kg				
4@ YSJ3(YSJ6)							3692 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small	
168	B-SPL	TCB	M 22* 70			0.523	88	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small		
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase		
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small		
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase		
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small		
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small		
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400	Small		
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T	Purchase		
YSJ4(YSJ5)							883 kg				
4@ YSJ4(YSJ5)							3532 kg				
BLK-2(BLK-52)							9404 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA	Small		
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T	Purchase		
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA	Small		
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA	Small		
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T	Purchase		
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA	Small		
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T	Purchase		
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA	Small		
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA	Small		
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T	Purchase		
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA	Small		
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA	Small		

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA	Small		
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA	Small		
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA	Small		
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA	Small		
166	B-SPL	TCB	M 22* 70			0.523	87	S10T	Purchase		
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400	Small		
200	D-SPL	TCB	M 22* 65			0.508	102	S10T	Purchase		
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA	Small		
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T	Purchase		
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA	Small		
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small		
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase		
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small		
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase		
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small		
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small		
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase		
YSJ3(YSJ6)							923 kg				
4@ YSJ3(YSJ6)							3692 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small	
168	B-SPL	TCB	M 22* 70			0.523	88	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400		Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
								YSJ4(YSJ5)		883 kg	
								4@ YSJ4(YSJ5)		3532 kg	
								BLK-3(BLK-51)		9404 kg	

Bago Bridge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
								YSJ1(YSJ8)		210 kg	
								4@ YSJ1(YSJ8)		840 kg	

Bago Bridge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
								YSJ2(YSJ7)		335 kg	
								4@ YSJ2(YSJ7)		1340 kg	

Bago Bridge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

166	B-SPL	TCB	M 22* 70			0.523	87	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							923 kg				
4@ YSJ3(YSJ6)							3692 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small	
168	B-SPL	TCB	M 22* 70			0.523	88	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400		Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

YSJ4(YSJ5)	883 kg
4@ YSJ4(YSJ5)	3532 kg
BLK-4(BLK-50)	9404 kg

Bago Bridge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 70			0.523	87	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							923 kg				
4@ YSJ3(YSJ6)							3692 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small	
168	B-SPL	TCB	M 22* 70			0.523	88	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400		Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
YSJ4(YSJ5)							883 kg				
4@ YSJ4(YSJ5)							3532 kg				

Material Quantities Calculation

(Unit : mm,kg)

BLK-5(BLK-49)

9404 kg

Bago Bridge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ1(YSJ8)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
							YSJ1(YSJ8)	210 kg			
							4@ YSJ1(YSJ8)	840 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ2(YSJ7)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
							YSJ2(YSJ7)	335 kg			
							4@ YSJ2(YSJ7)	1340 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ3(YSJ6)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 70			0.523	87	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)								923 kg			
4@ YSJ3(YSJ6)								3692 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small	
168	B-SPL	TCB	M 22* 70			0.523	88	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400		Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
YSJ4(YSJ5)								883 kg			
4@ YSJ4(YSJ5)								3532 kg			
BLK-6(BLK-48)								9404 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ1(YSJ8)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
							YSJ3(YSJ6)		920 kg		
							4@ YSJ3(YSJ6)		3680 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small	
168	B-SPL	TCB	M 22* 65			0.508	85	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400		Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
							YSJ4(YSJ5)		880 kg		
							4@ YSJ4(YSJ5)		3520 kg		
							BLK-7(BLK-47)		9380 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							920 kg				
4@ YSJ3(YSJ6)							3680 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ4(YSJ5)												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small		
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small		
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small		
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small		
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small		
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small		
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small		
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small		
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA		Small		
168	B-SPL	TCB	M 22* 65			0.508	85	S10T		Purchase		
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small		
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase		
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small		
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase		
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small		
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small		
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase		
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small		
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase		
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small		
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small		
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400		Small		
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase		
YSJ4(YSJ5)								880 kg				
4@ YSJ4(YSJ5)								3520 kg				
BLK-8(BLK-46)								9380 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ1(YSJ8)												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small		
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase		
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small		
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small		
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase		
YSJ1(YSJ8)								210 kg				

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ1(YSJ8)	840 kg
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Bago Bridge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							920 kg				
4@ YSJ3(YSJ6)							3680 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA	Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA	Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA	Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA	Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA	Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA	Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA	Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA	Small	
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA	Small	
168	B-SPL	TCB	M 22* 65			0.508	85	S10T	Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400	Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T	Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA	Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T	Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA	Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400	Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T	Purchase	
							YSJ4(YSJ5)		880 kg	
							4@ YSJ4(YSJ5)		3520 kg	
							BLK-9(BLK-45)		9380 kg	

Bago Bridge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
							YSJ1(YSJ8)		210 kg		
							4@ YSJ1(YSJ8)		840 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ2(YSJ7)											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ3(YSJ6)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							920 kg				
4@ YSJ3(YSJ6)							3680 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ4(YSJ5)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA	Small		
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA	Small		
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA	Small		
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA	Small		
1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA	Small		
168	B-SPL	TCB	M 22* 65			0.508	85	S10T	Purchase		
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400	Small		
200	D-SPL	TCB	M 22* 65			0.508	102	S10T	Purchase		
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA	Small		
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T	Purchase		
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA	Small		
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small		
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase		
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small		
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase		
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small		
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small		
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400	Small		
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T	Purchase		
YSJ4(YSJ5)							880 kg				
4@ YSJ4(YSJ5)							3520 kg				
BLK-10(BLK-44)							9380 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA	Small		
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T	Purchase		
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							920 kg				
4@ YSJ3(YSJ6)							3680 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
2	B-SPL-I	PL	250* 9	2180	70.65	38.5	77	SM490YA		Small	
1	B-SPL-I	PL	250* 9	900	70.65	15.9	16	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1270	70.65	22.4	22	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	930	70.65	16.4	16	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-O	PL	250* 9	2825	70.65	49.9	50	SM490YA	Small	
168	B-SPL	TCB	M 22* 65			0.508	85	S10T	Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400	Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T	Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA	Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T	Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA	Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400	Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T	Purchase	
YSJ4(YSJ5)							880 kg			
4@ YSJ4(YSJ5)							3520 kg			
BLK-11(BLK-43)							9380 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ2(YSJ7)

1340 kg

Bago Bridge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ3(YSJ6)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							920 kg				
4@ YSJ3(YSJ6)							3680 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ4(YSJ5)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small		
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase		
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small		
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase		
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small		
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small		
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400	Small		
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T	Purchase		
YSJ4(YSJ5)							880 kg				
4@ YSJ4(YSJ5)							3520 kg				
BLK-12(BLK-42)							9380 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA	Small		
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T	Purchase		
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA	Small		
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA	Small		
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T	Purchase		
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA	Small		
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T	Purchase		
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA	Small		
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA	Small		
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T	Purchase		
YSJ2(YSJ7)							335 kg				
4@ YSJ2(YSJ7)							1340 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA	Small		
1	B-SPL-I	PL	250* 9	2180	70.65	38.5	38	SM490YA	Small		

Material Quantities Calculation

(Unit : mm,kg)

2	B-SPL-I	PL	250* 9	1763	70.65	31.1	62	SM490YA	Small	
1	B-SPL-I	PL	250* 9	278	70.65	4.91	5	SM490YA	Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA	Small	
1	B-SPL-O	PL	250* 9	4073	70.65	71.9	72	SM490YA	Small	
1	B-SPL-O	PL	250* 9	2142	70.65	37.8	38	SM490YA	Small	
126	B-SPL	TCB	M 22* 70			0.523	66	S10T	Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400	Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T	Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA	Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T	Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA	Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
4	YRLW-SPL	PL	405* 9	315	70.65	9.01	36	SS400	Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
YSJ3(YSJ6)								830 kg		
4@ YSJ3(YSJ6)								3320 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
1	B-SPL-I	PL	250* 9	2180	70.65	38.5	38	SM490YA		Small	
2	B-SPL-I	PL	250* 9	1763	70.65	31.1	62	SM490YA		Small	
1	B-SPL-I	PL	250* 9	278	70.65	4.91	5	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4073	70.65	71.9	72	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2142	70.65	37.8	38	SM490YA		Small	
126	B-SPL	TCB	M 22* 70			0.523	66	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	405* 9	315	70.65	9.01	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
2	YRLF-FILL	PL	230* 10	155	78.50	2.80	6	SS400		Small	
16	YRLF-SPL	TCB	M 22* 75			0.538	9	S10T		Purchase	
							YSJ4(YSJ5)		794 kg		
							4@ YSJ4(YSJ5)		3176 kg		
							BLK-13(BLK-41)		8676 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	BRW-SPL	PL	598* 9	315	70.65	13.3	53	SM490YA		Small	
52	BRW-SPL	TCB	M 22* 65			0.508	26	S10T		Purchase	
4	BRF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	BRF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	BRF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
							YSJ1(YSJ8)		104 kg		
							4@ YSJ1(YSJ8)		416 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4	BRF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	BRF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	BRF-SPL	TCB	M 22* 70			0.523	8	S10T		Purchase	
							YSJ2(YSJ7)		25 kg		
							4@ YSJ2(YSJ7)		100 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	BF-SPL	PL	1158* 9	330	70.65	27.0	54	SM490YA		Small	
2	BF-SPL	PL	803* 9	330	70.65	18.7	37	SM490YA		Small	
2	BF-SPL	PL	2075* 10	330	78.50	53.8	108	SM490YA		Small	
1	BF-SPL	PL	1120* 9	330	70.65	26.1	26	SM490YA		Small	
1	BF-SPL	PL	1190* 10	330	78.50	30.8	31	SM490YA		Small	
254	BF-SPL	TCB	M 22* 70			0.523	133	S10T		Purchase	
4	BFR-SPL	PL	280* 9	320	70.65	6.33	25	SM490YA		Small	
24	BFR-SPL	TCB	M 22* 65			0.508	12	S10T		Purchase	
4	BFR-SPL	PL	80* 9	320	70.65	1.81	7	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	BFR-SPL	PL	210* 9	320	70.65	4.75	10	SM490YA	Small	
16	BFR-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
YSJ3(YSJ6)							451 kg			
4@ YSJ3(YSJ6)							1804 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	BF-SPL	PL	1158* 9	330	70.65	27.0	54	SM490YA		Small	
2	BF-SPL	PL	903* 9	330	70.65	21.1	42	SM490YA		Small	
2	BF-SPL	PL	2175* 10	330	78.50	56.3	113	SM490YA		Small	
1	BF-SPL	PL	920* 9	330	70.65	21.4	21	SM490YA		Small	
1	BF-SPL	PL	990* 10	330	78.50	25.6	26	SM490YA		Small	
254	BF-SPL	TCB	M 22* 70			0.523	133	S10T		Purchase	
4	BFR-SPL	PL	280* 9	320	70.65	6.33	25	SM490YA		Small	
24	BFR-SPL	TCB	M 22* 65			0.508	12	S10T		Purchase	
4	BFR-SPL	PL	80* 9	320	70.65	1.81	7	SM490YA		Small	
2	BFR-SPL	PL	210* 9	320	70.65	4.75	10	SM490YA		Small	
16	BFR-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ4(YSJ5)							451 kg				
4@ YSJ4(YSJ5)							1804 kg				
BLK-14(BLK-40)							4124 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA	Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA	Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T	Purchase	
YSJ2(YSJ7)								335 kg		
4@ YSJ2(YSJ7)								1340 kg		

Bago Bridge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ3(YSJ6)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
1	B-SPL-I	PL	250* 9	2180	70.65	38.5	38	SM490YA		Small	
2	B-SPL-I	PL	250* 9	1763	70.65	31.1	62	SM490YA		Small	
1	B-SPL-I	PL	250* 9	203	70.65	3.59	4	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4073	70.65	71.9	72	SM490YA		Small	
1	B-SPL-O	PL	250* 9	2067	70.65	36.5	36	SM490YA		Small	
126	B-SPL	TCB	M 22* 70			0.523	66	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	405* 9	315	70.65	9.01	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)								827 kg			
4@ YSJ3(YSJ6)								3308 kg			

Bago Bridge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ4(YSJ5)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
1	B-SPL-I	PL	250* 9	2180	70.65	38.5	38	SM490YA		Small	
2	B-SPL-I	PL	250* 9	1763	70.65	31.1	62	SM490YA		Small	
1	B-SPL-I	PL	250* 9	203	70.65	3.59	4	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4073	70.65	71.9	72	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

1	B-SPL-O	PL	250* 9	2067	70.65	36.5	36	SM490YA	Small		
126	B-SPL	TCB	M 22* 70			0.523	66	S10T	Purchase		
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400	Small		
200	D-SPL	TCB	M 22* 65			0.508	102	S10T	Purchase		
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA	Small		
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T	Purchase		
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA	Small		
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small		
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase		
4	YRLW-SPL	PL	405* 9	315	70.65	9.01	36	SS400	Small		
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase		
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small		
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small		
2	YRLF-FILL	PL	230* 10	155	78.50	2.80	6	SS400	Small		
16	YRLF-SPL	TCB	M 22* 75			0.538	9	S10T	Purchase		
YSJ4(YSJ5)							791 kg				
4@ YSJ4(YSJ5)							3164 kg				
BLK-15(BLK-39)							8652 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ1(YSJ8)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	598* 9	315	70.65	13.3	106	SM490YA		Small	
104	BRW-SPL	TCB	M 22* 65			0.508	53	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ1(YSJ8)							210 kg				
4@ YSJ1(YSJ8)							840 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ2(YSJ7)											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	BRW-SPL	PL	1073* 9	315	70.65	23.9	191	SM490YA		Small	
184	BRW-SPL	TCB	M 22* 65			0.508	93	S10T		Purchase	
8	BRF-SPL	PL	80* 9	315	70.65	1.78	14	SM490YA		Small	
4	BRF-SPL	PL	230* 9	315	70.65	5.12	20	SM490YA		Small	
32	BRF-SPL	TCB	M 22* 70			0.523	17	S10T		Purchase	
YSJ2(YSJ7)							335 kg				

Material Quantities Calculation

(Unit : mm,kg)

4@ YSJ2(YSJ7)

1340 kg

Bago Bridge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ3(YSJ6)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2529* 9	295	70.65	52.7	211	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	925* 9	315	70.65	20.6	82	SM490YA		Small	
68	YRUW-SPL	TCB	M 22* 65			0.508	35	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	
2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA		Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400		Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T		Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400		Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400		Small	
16	YRLF-SPL	TCB	M 22* 65			0.508	8	S10T		Purchase	
YSJ3(YSJ6)							920 kg				
4@ YSJ3(YSJ6)							3680 kg				

Bago Bridge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ4(YSJ5)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	B-SPL-I	PL	250* 9	355	70.65	6.27	6	SM490YA		Small	
3	B-SPL-I	PL	250* 9	2180	70.65	38.5	116	SM490YA		Small	
1	B-SPL-I	PL	250* 9	1485	70.65	26.2	26	SM490YA		Small	
1	B-SPL-O	PL	250* 9	385	70.65	6.80	7	SM490YA		Small	
1	B-SPL-O	PL	250* 9	4490	70.65	79.3	79	SM490YA		Small	
1	B-SPL-O	PL	250* 9	3765	70.65	66.5	66	SM490YA		Small	
166	B-SPL	TCB	M 22* 65			0.508	84	S10T		Purchase	
4	D-SPL	PL	2520* 9	297	70.65	52.9	212	SS400		Small	
200	D-SPL	TCB	M 22* 65			0.508	102	S10T		Purchase	
4	YRUW-SPL	PL	571* 9	315	70.65	12.7	51	SM490YA		Small	
44	YRUW-SPL	TCB	M 22* 65			0.508	22	S10T		Purchase	
4	YRUF-SPL	PL	80* 9	315	70.65	1.78	7	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	YRUF-SPL	PL	230* 9	315	70.65	5.12	10	SM490YA	Small	
16	YRUF-SPL	TCB	M 22* 65			0.508	8	S10T	Purchase	
4	YRLW-SPL	PL	407* 9	315	70.65	9.06	36	SS400	Small	
40	YRLW-SPL	TCB	M 22* 65			0.508	20	S10T	Purchase	
4	YRLF-SPL	PL	80* 9	315	70.65	1.78	7	SS400	Small	
2	YRLF-SPL	PL	230* 9	315	70.65	5.12	10	SS400	Small	
2	YRLF-FILL	PL	230* 6	155	47.10	1.68	3	SS400	Small	
16	YRLF-SPL	TCB	M 22* 70			0.523	8	S10T	Purchase	
							YSJ4(YSJ5)		880 kg	
							4@ YSJ4(YSJ5)		3520 kg	
							BLK-16(BLK-38)		9380 kg	
							Main Girder Longitudinal Joints		139284 kg	
							Bago Bridge		139284 kg	

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Main Girder Horizontal Joints HJ-14											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	W-SPL	PL	320* 18	1088	141.3	49.2	394	SM490YB		Small	
176	W-SPL	TCB	M 22* 110			0.643	113	S10T		Purchase	
2	W-SPL	PL	830* 18	2885	141.3	338	676	SM490YB		Small	
8	W-SPL	PL	830* 18	415	141.3	48.7	390	SM490YB		Small	
4	W-SPL	PL	830* 18	403	141.3	47.3	189	SM490YB		Small	
864	W-SPL	TCB	M 22* 110			0.643	556	S10T		Purchase	
8	W-SPL	PL	434* 18	355	141.3	21.8	174	SM490YB		Small	
4	W-SPL	PL	830* 18	620	141.3	72.7	291	SM490YB		Small	
2	W-SPL	PL	830* 18	740	141.3	86.8	174	SM490YB		Small	
2	W-SPL	PL	830* 18	2300	141.3	270	540	SM490YB		Small	
792	W-SPL	TCB	M 22* 110			0.643	509	S10T		Purchase	
4	D-SPL	PL	840* 23	850	180.6	129	516	SM490YB		Small	
8	D-SPL	PL	840* 23	830	180.6	126	1008	SM490YB		Small	
792	D-SPL	TCB	M 22* 130			0.703	557	S10T		Purchase	
4	D-SPL	PL	840* 23	750	180.6	114	456	SM490YB		Small	
8	D-SPL	PL	840* 23	630	180.6	95.6	765	SM490YB		Small	
672	D-SPL	TCB	M 22* 130			0.703	472	S10T		Purchase	
HJ-14							7780 kg				
2@ HJ-14							15560 kg				
Main Girder Horizontal Joints							15560 kg				
Bago Bridge							15560 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Rocking Bearings on Side Pier											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	TOP	PL	250* 22	1100	172.7	47.5	95	SM490YB		Small	
2	TOP	PL	300* 22	1000	172.7	51.8	104	SM490YB		Small	
2	WEB	PL	1470* 22	1400	172.7	355	710	SM570		Small	
4	INSIDE	PL	550* 22	550	172.7	52.2	209	SM570		Small	
2	BASE	PL	250* 22	1100	172.7	47.5	95	SM490YB		Small	
2	RIB	PL	578* 22	1400	172.7	140	280	SM490YB		Small	
8	RIB	PL	213* 22	1400	172.7	51.5	412	SM490YB		Small	
4	RIB	PL	235* 22	1400	172.7	56.8	227	SM490YB		Small	
8		PL	100* 10	1400	78.50	11.0	88	SM400A		Small	
2		PL	100* 22	1000	172.7	17.3	35	SM490YB		Small	
							Side Pier	2255 kg			
							4@ Side Pier	9020 kg			
							Rocking Bearings	9020 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Anchor Bolts on Side Pier											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	Anchor Bolt	ANCB	M 64	3100	26.00	80.6	645	S45CN		Purchase	
32	Type-1	NUT	M 64			1.994	64	S45CN		Purchase	
8	Type-3	NUT	M 64			1.486	12	S45CN		Purchase	
32		PLWS	140 ϕ * 80 (ϕ)	22		8.10	259	SS400		Purchase	
16	WASHER	PL	58* 6	115	47.10	0.314	5	SS400		Small	
							Side Pier	985 kg			
							4@ Side Pier	3940 kg			
							Anchor Bolts	3940 kg			

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Anchor Frame on Side Pier											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
8	FLG	PL	250* 22	1100	172.7	47.5	380	SM490YB		Small	
8	FLG	PL	250* 22	1000	172.7	43.2	346	SM490YB		Small	
8	WEB	PL	250* 9	1080	70.65	19.1	153	SM490YA		Small	
8	WEB	PL	250* 9	1122	70.65	19.8	158	SM490YA		Small	
40	RIB	PL	110* 9	250	70.65	1.94	78	SM490YA		Small	
48	RIB	PL	51* 9	250	70.65	0.901	43	SM490YA		Small	
4		L	75* 75* 9	500	9.960	4.98	20	SS400		Processed	
2		L	75* 75* 9	750	9.960	7.47	15	SS400		Processed	
2		L	75* 75* 9	470	9.960	4.68	9	SS400		Processed	
4	GUSS	PL	300* 9	150	70.65	3.18	13	SM400A		Small	
4	GUSS	PL	250* 9	150	70.65	2.65	11	SM400A		Small	
2	FLG	PL	590* 22	1190	172.7	121	242	SM400A		Small	
2	FLG	PL	590* 22	600	172.7	61.1	122	SM400A		Small	
1	WEB	PL	416* 22	1190	172.7	85.5	86	SM400A		Small	
1	WEB	PL	416* 22	600	172.7	43.1	43	SM400A		Small	
2	SPL	PL	580* 12	470	94.20	25.7	51	SS400		Small	
4	SPL	PL	250* 14	470	109.9	12.9	52	SS400		Small	
72	SPL	TCB	M 22* 85			0.568	41	S10T		Purchase	
2	SPL	PL	340* 15	470	117.8	18.8	38	SS400		Small	
18	SPL	TCB	M 22* 90			0.583	10	S10T		Purchase	
Side Pier							1911 kg				
4@ Side Pier							7644 kg				
Anchor Frame							7644 kg				
Bago Bridge							20604 kg				

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Pedestal Frame under Main Tower											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	BASE	PL	2700* 65	2700	510.2	3719	3719	SM520C-H		Small	
2	FLG	PL	3300* 40	3300	314.0	3419	6838	SM490YB		Small	
5	WEB	PL	470* 38	2878	298.3	404	2020	SM490YB		Small	
20	WEB	PL	470* 38	390	298.3	54.7	1094	SM490YB		Small	
20	WEB	PL	470* 38	391	298.3	54.8	1096	SM490YB		Small	
4	WEB	PL	470* 38	262	298.3	36.7	147	SM490YB		Small	
10	WEB	PL	470* 38	320	298.3	44.9	449	SM490YB		Small	
4	WEB	PL	470* 38	211	298.3	29.6	118	SM490YB		Small	
4	WEB	PL	470* 38	511	298.3	71.7	287	SM490YB		Small	
16	RIB	PL	470* 19	206	149.2	14.4	230	SM490YB		Small	
8	RIB	PL	470* 19	206	149.2	14.4	115	SM490YB		Small	
16	COV	PL	470* 9	145	70.65	4.81	77	SM400A		Small	
4	COV	PL	470* 9	150	70.65	4.98	20	SM400A		Small	
8	END	PL	470* 16	372	125.6	22.0	176	SM400A		Small	
16	FLG	PL	470* 16	372	125.6	22.0	352	SM400A		Small	
16	WEB	PL	470* 19	505	149.2	35.4	566	SM400A		Small	
16	FLG	PL	385* 16	250	125.6	12.1	194	SM400A		Small	
8	WEB	PL	385* 16	228	125.6	11.0	88	SM400A		Small	
16	STIFF	PL	100* 9	228	70.65	1.61	26	SM400A		Small	
8	RIB	PL	470* 19	262	149.2	18.4	147	SM400A		Small	
8	RIB	PL	470* 19	215	149.2	15.1	121	SM400A		Small	
8	RIB	PL	470* 16	228	125.6	13.5	108	SM400A		Small	
16	Bolt	BOLT	M 46*1100		13.00			S35C		Purchase	Plating
32	Type-1	NUT	M 45			0.806	26	S35C		Purchase	Plating
32	Type-3	NUT	M 45			0.806	26	S35C		Purchase	Plating
32	WASHER	PL	90* 22	290	172.7	4.51	144	SS400		Small	Plating
							18184 kg				
Under Main Tower							18184 kg				
2@ Under Main Tower							36368 kg				

Bago Bridge Pedestal Frame under Main Girder											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1	BASE	PL	1800* 55	2100	431.8	1632	1632	SM520C-H		Small	
2	FLG	PL	2400* 28	2700	219.8	1424	2848	SM490YB		Small	
2	WEB	PL	344* 28	2660	219.8	201	402	SM490YB		Small	
4	WEB	PL	344* 28	2172	219.8	164	656	SM490YB		Small	
2	WEB	PL	344* 28	1872	219.8	142	284	SM490YB		Small	
12	WEB	PL	344* 28	402	219.8	30.4	365	SM490YB		Small	
4	WEB	PL	344* 28	277	219.8	20.9	84	SM490YB		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	WEB	PL	344* 28	216	219.8	16.3	65	SM490YB	Small	
16	RIB	PL	344* 14	216	109.9	8.17	131	SM490YA	Small	
4	RIB	PL	344* 14	216	109.9	8.17	33	SM490YA	Small	
16	COV	PL	344* 9	105	70.65	2.55	41	SM400A	Small	
8	WEB	PL	344* 14	516	109.9	19.5	156	SM400A	Small	
4	FLG	PL	344* 10	316	78.50	8.53	34	SM400A	Small	
8	FLG	PL	385* 10	250	78.50	7.56	60	SM400A	Small	
4	WEB	PL	385* 9	240	70.65	6.53	26	SM400A	Small	
8	STIFF	PL	100* 9	240	70.65	1.70	14	SM400A	Small	
4	RIB	PL	344* 14	216	109.9	8.17	33	SM400A	Small	
4	RIB	PL	344* 14	240	109.9	9.07	36	SM400A	Small	
8	WEB	PL	344* 14	516	109.9	19.5	156	SM400A	Small	
4	FLG	PL	344* 10	416	78.50	11.2	45	SM400A	Small	
8	FLG	PL	385* 10	250	78.50	7.56	60	SM400A	Small	
4	WEB	PL	385* 9	240	70.65	6.53	26	SM400A	Small	
8	STIFF	PL	100* 9	240	70.65	1.70	14	SM400A	Small	
4	RIB	PL	344* 14	216	109.9	8.17	33	SM400A	Small	
4	RIB	PL	344* 14	240	109.9	9.07	36	SM400A	Small	
							Under Main Girder		7270 kg	
							4@ Under Main Girder		29080 kg	
							Pedestal Frame		65448 kg	
							Bago Bridge		65448 kg	

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Anchor Bolts under Main Tower											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
20	Anchor Bolts	ANCB	M110	3100	74.60	231	4620	S35C		Purchase	
80	Type-1	NUT	M105			7.57	606	S35C		Purchase	
80		PLWS	210 ϕ * 108 (ϕ)	22		4.40	352	SS400		Purchase	
							Under Main Tower	5578 kg			
							2@ Under Main Tower	11156 kg			
							Anchor Bolts	11156 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Anchor Frame under Main Tower											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
4		L	75* 75* 9	1000	9.960	9.96	40	SS400		Small	
4		L	75* 75* 9	1520	9.960	15.1	60	SS400		Small	
4	GUSS	PL	120* 9	220	70.65	1.87	7	SM400A		Small	
2	GUSS	PL	120* 9	310	70.65	2.63	5	SM400A		Small	
4		L	75* 75* 9	1520	9.960	15.1	60	SS400		Small	
4	GUSS	PL	120* 9	220	70.65	1.87	7	SM400A		Small	
2	GUSS	PL	120* 9	310	70.65	2.63	5	SM400A		Small	
4	FLG	PL	300* 10	3360	78.50	79.1	316	SM400A		Small	
4	FLG	PL	300* 10	2760	78.50	65.0	260	SM400A		Small	
2	WEB	PL	300* 10	3280	78.50	77.2	154	SM400A		Small	
6	WEB	PL	300* 10	2900	78.50	68.3	410	SM400A		Small	
4	WEB	PL	300* 10	180	78.50	4.24	17	SM400A		Small	
4	WEB	PL	300* 10	218	78.50	5.13	21	SM400A		Small	
40	DIA	PL	300* 10	140	78.50	3.30	132	SM400A		Small	
4		L	75* 75* 9	1800	9.960	17.9	72	SS400		Small	
4	GUSS	PL	150* 9	300	70.65	3.18	13	SM400A		Small	
2	FLG	PL	300* 19	3360	149.2	150	300	SM400A		Small	
2	FLG	PL	300* 19	2760	149.2	124	248	SM400A		Small	
2	FLG	PL	300* 10	3360	78.50	79.1	158	SM400A		Small	
2	FLG	PL	300* 10	2760	78.50	65.0	130	SM400A		Small	
2	WEB	PL	300* 10	3280	78.50	77.2	154	SM400A		Small	
6	WEB	PL	300* 10	2900	78.50	68.3	410	SM400A		Small	
4	WEB	PL	300* 10	180	78.50	4.24	17	SM400A		Small	
4	WEB	PL	300* 10	218	78.50	5.13	21	SM400A		Small	
40	DIA	PL	300* 10	140	78.50	3.30	132	SM400A		Small	
4		L	75* 75* 9	1800	9.960	17.9	72	SS400		Small	
4	GUSS	PL	150* 9	300	70.65	3.18	13	SM400A		Small	
40	Grout Stop	PL	85* 6	170	47.10	0.681	27	SM400A		Small	
Under Main Tower							3261 kg				
2@ Under Main Tower							6522 kg				
Anchor Frame							6522 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Anchor Bolts under Main Girder											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
16	Anchor Bolts	ANCB	M 65	2800	26.00	72.8	1165	S35C		Purchase	
64	Type-1	NUT	M 64			1.994	128	S35C		Purchase	
64		PLWS	128 ϕ * 68 (ϕ)	22		1.60	102	SS400		Purchase	
							Under Main Girder	1395 kg			
							4@ Under Main Girder	5580 kg			
							Anchor Bolts	5580 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Anchor Frame under Main Girder												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
4		L	75* 75* 9	1000	9.960	9.96	40	SS400		Small		
4		L	75* 75* 9	1340	9.960	13.3	53	SS400		Small		
4	GUSS	PL	140* 9	220	70.65	2.18	9	SM400A		Small		
2	GUSS	PL	140* 9	310	70.65	3.07	6	SM400A		Small		
4		L	75* 75* 9	1250	9.960	12.4	50	SS400		Small		
4	GUSS	PL	140* 9	200	70.65	1.98	8	SM400A		Small		
2	GUSS	PL	140* 9	270	70.65	2.67	5	SM400A		Small		
4	FLG	PL	300* 10	2760	78.50	65.0	260	SM400A		Small		
4	FLG	PL	300* 10	1860	78.50	43.8	175	SM400A		Small		
2	WEB	PL	300* 10	2340	78.50	55.1	110	SM400A		Small		
2	WEB	PL	300* 10	2640	78.50	62.2	124	SM400A		Small		
4	WEB	PL	300* 10	2040	78.50	48.0	192	SM400A		Small		
4	WEB	PL	300* 10	150	78.50	3.53	14	SM400A		Small		
4	WEB	PL	300* 10	161	78.50	3.79	15	SM400A		Small		
32	DIA	PL	300* 10	100	78.50	2.36	76	SM400A		Small		
4		L	75* 75* 9	1290	9.960	12.8	51	SS400		Small		
2	GUSS	PL	160* 9	270	70.65	3.05	6	SM400A		Small		
2	GUSS	PL	130* 9	310	70.65	2.85	6	SM400A		Small		
2	FLG	PL	300* 22	2760	172.7	143	286	SM400A		Small		
2	FLG	PL	300* 22	1860	172.7	96.4	193	SM400A		Small		
2	FLG	PL	300* 10	2760	78.50	65.0	130	SM400A		Small		
2	FLG	PL	300* 10	1860	78.50	43.8	88	SM400A		Small		
2	WEB	PL	300* 10	2340	78.50	55.1	110	SM400A		Small		
2	WEB	PL	300* 10	2640	78.50	62.2	124	SM400A		Small		
4	WEB	PL	300* 10	2040	78.50	48.0	192	SM400A		Small		
4	WEB	PL	300* 10	150	78.50	3.53	14	SM400A		Small		
4	WEB	PL	300* 10	161	78.50	3.79	15	SM400A		Small		
32	DIA	PL	300* 10	100	78.50	2.36	76	SM400A		Small		
4		L	75* 75* 9	1290	9.960	12.8	51	SS400		Small		
2	GUSS	PL	160* 9	270	70.65	3.05	6	SM400A		Small		
2	GUSS	PL	130* 9	310	70.65	2.85	6	SM400A		Small		
32	Grout Stop	PL	58* 6	115	47.10	0.314	10	SM400A		Small		
							2501 kg					
Under Main Girder							2501 kg					
4@ Under Main Girder							10004 kg					
							10004 kg					
Anchor Frame							10004 kg					
							33262 kg					
Bago Bridge							33262 kg					

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Drainage System Catch Pit											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		PL	50* 19	362	149.2	2.70	5	SM400A		Small	
2		PL	50* 19	320	149.2	2.39	5	SM400A		Small	
1		PL	370* 16	450	125.6	20.9	21	SM400A		Small	
2		PL	184* 19	320	149.2	8.78	18	SM400A		Small	
2		PL	166* 19	358	149.2	8.87	18	SM400A		Small	
1		PL	250* 16	250	125.6	7.85	8	SM400A		Small	
1		PL	188* 6	191	47.10	1.69	2	SM400A		Small	
1	PIPE	STK	165.2* 4.5	530	17.80	9.43	9	STK400		Processed	Plating
1		Chain	5* 18* 42*250			0.1	1	SUS304		Purchase	
2		L	50* 50* 6	362	4.430	1.60	3	SS400		Processed	Plating
9		RB	25 ϕ	260	3.850	1.00	9	SD295		Processed	Plating
Catch Pit							99 kg				
140@ Catch Pit							13860 kg				
Drainage System							13860 kg				
Bago Bridge							13860 kg				

Material Quantities Calculation

(Unit: mm,kg)

Bago Bridge Slab Drain Supporting Metal											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		PL	50* 6	70	47.10	0.165	1	SM400A		Small	
2		PL	50* 6	346	47.10	0.815	2	SS400		Small	Plating
1		L	50* 50* 6	190	4.430	0.842	1	SS400		Processed	Plating
2	1-W,U-Nut	BN	M 12* 35			0.143	1	SS400		Purchase	Plating
1	C type (2W)	UB	M10(15C)			0.118	1	SS400		Purchase	Plating
2		WASH	M 10			0.004	1	SS400		Purchase	Plating
Supporting Metal							7 kg				
102@ Supporting Metal							714 kg				
Slab Drain							714 kg				
Bago Bridge							714 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Cable Rack Diaphragm Cross Beam											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		PL	100* 20	100	157.0	1.57	3	SM400A		Small	Plating
							Diaphragm Cross Beam	3 kg			
							106@ Diaphragm Cross Beam	318 kg			

Bago Bridge Cable Rack Transverse Rib											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2	BASE	PL	200* 12	200	94.20	3.77	8	SM400A		Small	Plating
2		H	100* 100* 6* 8	429	16.90	7.25	14	SS400		Processed	Plating
1		L	75* 75* 6	700	6.850	4.80	5	SS400		Processed	Plating
8	1-W	BN	M 16* 45			0.143	1	SS400		Purchase	Plating
4	1-W	BN	M 16* 40			0.136	1	SS400		Purchase	Plating
							Transverse Rib	29 kg			
							97@ Transverse Rib	2813 kg			
							Cable Rack	3131 kg			
							Bago Bridge	3131 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Water Pipe Supporting Metal Diaphragm											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		L	100* 100* 10	800	14.90	11.9	12	SS400		Processed	Plating
4	1-W	BN	M 16* 50			0.153	1	SS400		Purchase	Plating
2		H	100* 100* 6* 8	324	16.90	5.48	11	SS400		Processed	Plating
2		PL	200* 12	200	94.20	3.77	8	SM400A		Small	
2	FILL	PL	200* 25	200	196.2	7.85	16	SS400		Small	
8	1-W	BN	M 16* 70			0.185	1	SS400		Purchase	Plating
Supporting Metal Diaphragm							49 kg				
196@ Supporting Metal Diaphragm							9604 kg				

Bago Bridge Water Pipe Supporting Metal Transverse Rib											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		L	100* 100* 10	800	14.90	11.9	12	SS400		Processed	Plating
4	1-W	BN	M 16* 50			0.153	1	SS400		Purchase	Plating
2		H	100* 100* 6* 8	292	16.90	4.93	10	SS400		Processed	Plating
2		PL	200* 12	200	94.20	3.77	8	SM400A		Small	
8	1-W	BN	M 16* 45			0.145	1	SS400		Purchase	Plating
Supporting Metal Transverse Rib							32 kg				
194@ Supporting Metal Transverse Rib							6208 kg				

Bago Bridge Water Pipe Supporting Metal End Support											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		L	100* 100* 10	800	14.90	11.9	12	SS400		Processed	Plating
4	1-W	BN	M 16* 50			0.153	1	SS400		Purchase	Plating
2		H	100* 100* 6* 8	829	16.90	14.0	28	SS400		Processed	Plating
2		PL	200* 12	200	94.20	3.77	8	SM400A		Small	
8	1-W	BN	M 16* 50			0.153	1	SS400		Purchase	Plating
Supporting Metal End Support							50 kg				
8@ Supporting Metal End Support							400 kg				

Bago Bridge Water Pipe Supporting Metal Intermediate Support											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		L	100* 100* 10	830	14.90	12.4	12	SS400		Processed	Plating
4	1-W	BN	M 16* 50			0.153	1	SS400		Purchase	Plating
2		H	100* 100* 6* 8	829	16.90	14.0	28	SS400		Processed	Plating

Material Quantities Calculation

(Unit : mm,kg)

2		PL	200* 12	200	94.20	3.77	8	SM400A	Small		
8	1-W	BN	M 16* 50			0.153	1	SS400	Purchase	Plating	
Supporting Metal Intermediate Support							50 kg				
8@ Supporting Metal Intermediate Support							400 kg				
Water Pipe							16612 kg				
Bago Bridge							16612 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Fairing Edge											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		PL	969* 6	2605	47.10	119	119	SM400A		Small	
1		PL	803* 6	2605	47.10	98.5	98	SM400A		Small	
2		PL	50* 6	1772	47.10	4.17	8	SM400A		Small	
3		PL	955* 6	597	47.10	26.9	81	SM400A		Small	
1		FB	50* 6	953	2.360	2.25	2	SS400		Processed	
1		FB	50* 6	798	2.360	1.88	2	SS400		Processed	
1	COV	PL	718* 6	1092	47.10	36.9	37	SM400A		Small	
1		FB	50* 6	896	2.360	2.11	2	SS400		Processed	
1		FB	50* 6	762	2.360	1.80	2	SS400		Processed	
1		FB	50* 6	312	2.360	0.736	1	SS400		Processed	
1		FB	50* 6	354	2.360	0.835	1	SS400		Processed	
Edge							353 kg				
4@ Edge							1412 kg				

Bago Bridge Fairing Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		PL	969* 6	7000	47.10	319	319	SM400A		Small	
1		PL	803* 6	7000	47.10	265	265	SM400A		Small	
2		PL	50* 6	7000	47.10	16.5	33	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		FB	50* 6	953	2.360	2.25	4	SS400		Processed	
2		FB	50* 6	798	2.360	1.88	4	SS400		Processed	
Middle							733 kg				
88@ Middle							64504 kg				

Bago Bridge Fairing Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		PL	969* 6	4960	47.10	226	226	SM400A		Small	
1		PL	803* 6	4960	47.10	188	188	SM400A		Small	
2		PL	50* 6	4960	47.10	11.7	23	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		FB	50* 6	953	2.360	2.25	4	SS400		Processed	
2		FB	50* 6	798	2.360	1.88	4	SS400		Processed	

Material Quantities Calculation

(Unit : mm,kg)

Middle	553 kg
8@ Middle	4424 kg

Bago Bridge Fairing Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		PL	969* 6	3700	47.10	169	169	SM400A		Small	
1		PL	803* 6	3700	47.10	140	140	SM400A		Small	
2		PL	50* 6	3700	47.10	8.71	17	SM400A		Small	
1		PL	955* 6	597	47.10	26.9	27	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		FB	50* 6	953	2.360	2.25	4	SS400		Processed	
2		FB	50* 6	798	2.360	1.88	4	SS400		Processed	
Middle							415 kg				
4@ Middle							1660 kg				

Bago Bridge Fairing Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		PL	969* 6	5510	47.10	251	251	SM400A		Small	
1		PL	803* 6	5510	47.10	208	208	SM400A		Small	
2		PL	50* 6	5510	47.10	13.0	26	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
2		FB	50* 6	953	2.360	2.25	4	SS400		Processed	
2		FB	50* 6	798	2.360	1.88	4	SS400		Processed	
Middle							601 kg				
2@ Middle							1202 kg				

Bago Bridge Fairing Joint											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		PL	969* 6	2000	47.10	91.3	91	SM400A		Small	
1		PL	803* 6	2000	47.10	75.6	76	SM400A		Small	
2		PL	50* 6	2000	47.10	4.71	9	SM400A		Small	
2		PL	955* 6	597	47.10	26.9	54	SM400A		Small	
Joint							230 kg				
100@ Joint							23000 kg				
Fairing							96202 kg				
Bago Bridge							96202 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Rail Edge											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	2089	76.80	160	160	SS400		Purchase	
1		PL	168* 16	330	125.6	6.96	7	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	360	172.7	9.95	10	SM400A		Small	
8		TCB	M 16* 85			0.263	2	S10T		Purchase	
							Edge	183 kg			
							4@ Edge	732 kg			

Bago Bridge Rail Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	6827	76.80	524	524	SS400		Purchase	
1		PL	168* 16	330	125.6	6.96	7	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	360	172.7	9.95	10	SM400A		Small	
8		TCB	M 16* 85			0.263	2	S10T		Purchase	
1		PL	168* 16	280	125.6	5.91	6	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	220	172.7	6.08	6	SM400A		Small	
4		TCB	M 16* 85			0.263	1	S10T		Purchase	
							Middle	564 kg			
							88@ Middle	49632 kg			

Bago Bridge Rail Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	5994	76.80	460	460	SS400		Purchase	
1		PL	168* 16	330	125.6	6.96	7	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	360	172.7	9.95	10	SM400A		Small	
8		TCB	M 16* 85			0.263	2	S10T		Purchase	
1		PL	168* 16	280	125.6	5.91	6	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	220	172.7	6.08	6	SM400A		Small	
4		TCB	M 16* 85			0.263	1	S10T		Purchase	
							Middle	500 kg			
							8@ Middle	4000 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Rail Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	3077	76.80	236	236	SS400		Purchase	
1		PL	168* 16	330	125.6	6.96	7	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	360	172.7	9.95	10	SM400A		Small	
8		TCB	M 16* 85			0.263	2	S10T		Purchase	
Middle							259 kg				
4@ Middle							1036 kg				

Bago Bridge Rail Middle											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	3077	76.80	236	236	SS400		Purchase	
1		PL	168* 16	330	125.6	6.96	7	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	360	172.7	9.95	10	SM400A		Small	
8		TCB	M 16* 85			0.263	2	S10T		Purchase	
1		PL	168* 16	280	125.6	5.91	6	SM400A		Small	
2		PL	168* 16	100	125.6	2.11	4	SM400A		Small	
1		PL	160* 22	220	172.7	6.08	6	SM400A		Small	
4		TCB	M 16* 85			0.263	1	S10T		Purchase	
Middle							276 kg				
2@ Middle							552 kg				

Bago Bridge Rail Edge Joint											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	1577	76.80	121	121	SS400		Purchase	
EdgeJoint							121 kg				
4@ EdgeJoint							484 kg				

Bago Bridge Rail Middle Joint											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
1		I	300* 150* 11.5* 22	2327	76.80	179	179	SS400		Purchase	
MiddleJoint							179 kg				

Material Quantities Calculation

(Unit : mm,kg)

92@ MiddleJoint	16468 kg
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Bago Bridge Rail Middle Joint												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1		I	300* 150* 11.5* 22	1910	76.80	147	147	SS400		Purchase		
MiddleJoint							147 kg					
8@ MiddleJoint							1176 kg					
Rail							74080 kg					
Bago Bridge							74080 kg					

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Inspection Way Transverse Inspection Way Inspection Way Side											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	537	6.920	3.72	7	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
1		FB	50* 6	700	2.360	1.65	2	SS400		Processed	Plating
1		EXP		580	487	14.50	4	XG11		Small	Plating
2		PL	100* 9	271	70.65	1.91	4	SM400A		Small	
2		PL	100* 9	100	70.65	0.706	1	SM400A		Small	
2	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
2		PL	75* 9	190	70.65	1.01	2	SM400A		Small	Plating
4	1-W,U-Nut	BN	M 12* 35			0.066	1	SS400		Purchase	Plating
							Inspection Way Side		30 kg		
							80@ Inspection Way Side		2400 kg		

Bago Bridge Inspection Way Transverse Inspection Way Inspection Way Center											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	2280	6.920	15.8	32	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
2		FB	75* 6	590	3.530	2.08	4	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		580	2230	14.50	19	XG11		Small	Plating
4		PL	100* 9	271	70.65	1.91	8	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
							Inspection Way Center		78 kg		
							40@ Inspection Way Center		3120 kg		

Bago Bridge Inspection Way Transverse Inspection Way Radder A											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	50* 50* 6	2200	4.430	9.75	20	SS400		Processed	Plating
3		RB	22 ϕ	439	2.980	1.31	4	SS400		Small	
2		PL	122* 9	220	70.65	1.90	4	SM400A		Small	
6	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
							Radder A		29 kg		
							80@ Radder A		2320 kg		

Bago Bridge Inspection Way Transverse Inspection Way Radder B											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	50* 50* 6	2200	4.430	9.75	20	SS400		Processed	Plating
3		RB	22 ϕ	648	2.980	1.93	6	SS400		Small	
2		PL	70* 9	220	70.65	1.09	2	SM400A		Small	
6	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
Radder B							29 kg				
80@ Radder B							2320 kg				

Bago Bridge Inspection Way Transverse Inspection Way Side at Intermediate Support											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	1650	6.920	11.4	23	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
1		FB	75* 6	590	3.530	2.08	2	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		580	1600	14.50	13.5	14	XG11	Small	Plating
4		PL	100* 9	271	70.65	1.91	8	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
Side at Intermediate Support							62 kg				
2@ Side at Intermediate Support							124 kg				
Transverse Inspection Way							10284 kg				

Bago Bridge Inspection Way Longitudinal Inspection Way General											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	2050	6.920	14.2	28	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
2		FB	75* 6	590	3.530	2.08	4	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		580	2000	14.50	16.8	17	XG11	Small	Plating
4		PL	150* 9	196	70.65	2.08	8	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	Plating
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
General							72 kg				
360@ General							25920 kg				

Bago Bridge Inspection Way Longitudinal Inspection Way around Support											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	1633	6.920	11.3	23	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
1		FB	75* 6	590	3.530	2.08	2	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		580	1583	14.50	13	XG11		Small	Plating
4		PL	150* 9	196	70.65	2.08	8	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	Plating
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
Around Support							61 kg				
16@ Around Support							976 kg				

Bago Bridge Inspection Way Longitudinal Inspection Way Girder Edge A											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	1800	6.920	12.5	25	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
1		FB	75* 6	590	3.530	2.08	2	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		580	1750	14.50	15	XG11		Small	Plating
4		PL	150* 9	200	70.65	2.12	8	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	Plating
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
Girder Edge A							65 kg				
4@ Girder Edge A							260 kg				

Bago Bridge Inspection Way Longitudinal Inspection Way Girder Edge B											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	308	6.920	2.13	4	SS400		Processed	Plating
2		CH	75* 40* 5* 7	660	6.920	4.57	9	SS400		Processed	Plating
2		CH	75* 40* 5* 7	540	6.920	3.74	7	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
1		FB	75* 6	590	3.530	2.08	2	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		1035	1236	14.50	18	XG11		Small	Plating
2		PL	150* 9	200	70.65	2.12	4	SM400A		Small	
2		PL	150* 9	196	70.65	2.08	4	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	Plating
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating

Material Quantities Calculation

(Unit: mm,kg)

Girder Edge B	63 kg
4@ Girder Edge B	252 kg

Bago Bridge Inspection Way Longitudinal Inspection Way Side at Cross Beam											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		CH	75* 40* 5* 7	1300	6.920	9.00	18	SS400		Processed	Plating
2		L	75* 75* 6	590	6.850	4.04	8	SS400		Processed	Plating
1		FB	75* 6	590	3.530	2.08	2	SS400		Processed	Plating
2		FB	50* 6	700	2.360	1.65	3	SS400		Processed	Plating
1		EXP		580	1250	14.50	10	XG11		Small	Plating
4		PL	150* 9	196	70.65	2.08	8	SM400A		Small	
4		PL	100* 9	100	70.65	0.706	3	SM400A		Small	Plating
4	1-W,U-Nut	BN	M 12* 40			0.07	1	SS400		Purchase	Plating
Side at Cross Beam							53 kg				
4@ Side at Cross Beam							212 kg				
Longitudinal Inspection Way							27620 kg				

Bago Bridge Inspection Way Stage Radder											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	50* 50* 6	2205	4.430	9.77	20	SS400		Processed	Plating
2		L	50* 50* 6	305	4.430	1.35	3	SS400		Processed	Plating
2		L	50* 50* 6	614	4.430	2.72	5	SS400		Processed	Plating
2		L	50* 50* 6	793	4.430	3.51	7	SS400		Processed	Plating
2		PL	100* 9	403	70.65	2.85	6	SM400A		Small	
2		PL	100* 9	150	70.65	1.06	2	SM400A		Small	Plating
2		PL	163* 9	165	70.65	1.90	4	SM400A		Small	Plating
2		PL	190* 9	207	70.65	2.78	6	SM400A		Small	
6		RB	22 ϕ	620	2.980	1.85	11	SS400		Processed	Plating
1		CHPL	450* 3.2	680	26.79	8.20	8	SS400		Small	Plating
4	2-W,U-Nut	BN	M 12* 35			0.071	1	SS400		Purchase	Plating
16	2-W,U-Nut	BN	M 16* 45			0.154	2	SS400		Purchase	Plating
3		FB	50* 4.5	2006	1.770	3.55	11	SS400		Processed	Plating
3		FB	50* 4.5	800	1.770	1.42	4	SS400		Processed	Plating
6	2-W,U-Nut	BN	M 16* 40			0.147	1	SS400		Purchase	Plating
Stage Radder							91 kg				
2@ Stage Radder							182 kg				

Material Quantities Calculation

(Unit: mm,kg)

Inspection Way	38086 kg
Bago Bridge	38086 kg

3. Large Member Welding Length Calculation

Welding Length Summary

	Bago Bridge	Total
Butt Welding Length(m)	9611.496	9611.496
T-joint Welding Length (m)	7171.600	7171.600

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Main Girder BLK-1(BLK-53)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					2990	2	23.920	YSJ2-YSJ4(YSJ5-YSJ7)
4	1	WEB-O	2560	14	2990	V	10.5	125.580	2990	2	23.920	YSJ2-YSJ4(YSJ5-YSJ7)
2	2	WEB-I	2659	14					2990	4	47.840	YSJ4-YSJ5
BLK-1(BLK-53)								125.58 m	95.68 m			

Bago Bridge Main Girder BLK-2(BLK-52)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-2(BLK-52)								378 m	288 m			

Bago Bridge Main Girder BLK-3(BLK-51)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-3(BLK-51)								378 m	288 m			

Bago Bridge Main Girder BLK-4(BLK-50)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-4(BLK-50)								378 m	288 m			

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Main Girder BLK-5(BLK-49)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
								378 m			288 m	

Bago Bridge Main Girder BLK-6(BLK-48)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
								378 m			288 m	

Bago Bridge Main Girder BLK-7(BLK-47)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
								378 m			288 m	

Bago Bridge Main Girder BLK-8(BLK-46)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
								378 m			288 m	

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Main Girder BLK-9(BLK-45)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-9(BLK-45)								378 m	288 m			

Bago Bridge Main Girder BLK-10(BLK-44)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-10(BLK-44)								378 m	288 m			

Bago Bridge Main Girder BLK-11(BLK-43)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-11(BLK-43)								378 m	288 m			

Bago Bridge Main Girder BLK-12(BLK-42)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					9000	4	144.000	YSJ4-YSJ5
BLK-12(BLK-42)								378 m	288 m			

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Main Girder BLK-13(BLK-41)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	17					6960	2	55.680	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	17	6960	V	13.2	367.488	6960	2	55.680	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	18					6960	4	111.360	YSJ4-YSJ5
BLK-13(BLK-41)								367.488 m	222.72 m			

Bago Bridge Main Girder BLK-14(BLK-40)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	17					5700	2	45.600	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	17	5700	V	13.2	300.960	5700	2	45.600	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	3000	35					5700	2	45.600	YSJ4-YSJ5(UPPER)
2	2	TO-FLG	2470	35					625	4	10.000	YSJ4-YSJ5(UPPER)
2	2	WEB-I	1350	35					5700	2	45.600	YSJ4-YSJ5(LOWER)
BLK-14(BLK-40)								300.96 m	192.4 m			

Bago Bridge Main Girder BLK-15(BLK-39)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	17					6960	2	55.680	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	17	6960	V	13.2	367.488	6960	2	55.680	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	18					6960	4	111.360	YSJ4-YSJ5
BLK-15(BLK-39)								367.488 m	222.72 m			

Bago Bridge Main Girder BLK-16(BLK-38)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					9000	4	144.000	YSJ4-YSJ5
BLK-16(BLK-38)								378 m	288 m			

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Main Girder BLK-17(BLK-37)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-17(BLK-37)								378 m	288 m			

Bago Bridge Main Girder BLK-18(BLK-36)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-18(BLK-36)								378 m	288 m			

Bago Bridge Main Girder BLK-19(BLK-35)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-19(BLK-35)								378 m	288 m			

Bago Bridge Main Girder BLK-20(BLK-34)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-20(BLK-34)								378 m	288 m			

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Main Girder BLK-21(BLK-33)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-21(BLK-33)								378 m	288 m			

Bago Bridge Main Girder BLK-22(BLK-32)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-22(BLK-32)								378 m	288 m			

Bago Bridge Main Girder BLK-23(BLK-31)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m
BLK-23(BLK-31)								378 m	288 m			

Bago Bridge Main Girder BLK-24(BLK-30)												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m

Welding Length Calculation

(Unit: mm,m)

BLK-24(BLK-30)	378 m	288 m
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Bago Bridge Main Girder BLK-25(BLK-29)													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)	
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)	
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m	
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m	
BLK-25(BLK-29)								378 m			288 m		

Bago Bridge Main Girder BLK-26(BLK-28)													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
4	1	WEB-O	484	14					9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)	
4	1	WEB-O	2560	14	9000	V	10.5	378.000	9000	2	72.000	YSJ2-YSJ3(YSJ6-YSJ7)	
2	2	WEB-I	2659	14					6000	4	96.000	YSJ4-YSJ5 6.0m	
2	2	WEB-I	2659	14					3000	4	48.000	YSJ4-YSJ5 3.0m	
BLK-26(BLK-28)								378 m			288 m		

Bago Bridge Main Girder BLK-27													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
2	1	WEB-O	484	14					6380	2	25.520	YSJ2-YSJ3(YSJ6-YSJ7)	
2	1	WEB-O	2560	14	6380	V	10.5	133.980	6380	2	25.520	YSJ2-YSJ3(YSJ6-YSJ7)	
1	2	WEB-I	2659	14					6380	4	51.040	YSJ4-YSJ5	
BLK-27								133.98 m			102.08 m		
Main Girder								9611.496 m			7171.6 m		
Bago Bridge								9611.496 m			7171.6 m		

4. Painting Area Calculation

Painting Area Summary

Main Girder

(Unit: m²)

Items		Calculation	Total Area	Remarks	
Shop Painting	General Outer Surface	A-E-a1	22135.4	C-5	
	General Outer Surface Additional	B-F-a2	641.1	C-5 (additional)	
	General Inner Surface	C-G-a3	42466.7		
	Steel Deck Slab Upper Surface	D-H-a4	9614.8		
Site Painting	Splice	General Outer Surface	E	962.1	
		General Outer Surface Additional	F	23.6	
		General Inner Surface	G	1955.9	
		Steel Deck Slab Upper Surface	H	0.8	
	Bolting	General Outer Surface	I	228.8	
		General Outer Surface Additional	J	7.3	
		General Inner Surface	K	751.3	
		Steel Deck Slab Upper Surface	L	0.1	
	Welding	General Outer Surface	a1	623.1	
		General Outer Surface Additional	a2	4.8	
		General Inner Surface	a3	677.4	
		Steel Deck Slab Upper Surface	a4	981.9	
Friction Joint Surface		M	5960.3		

Calculation Results

Summary for each Painting System

(Unit: m²)

Symbol	Painting System	Bago Bridge	Total
A	General-Outer Surface	23720.56	23720.56
B	General-Outer Surface Additional	669.48	669.48
C	General-Inner Surface	45099.95	45099.95
D	General Deck Slab Upper Surface	10597.50	10597.50
E	Splice-Outer Surface	962.06	962.06
F	Splice-Outer Surface Additional	23.60	23.60
G	Splice-Inner Surface	1955.92	1955.92
H	Splice Deck Slab Upper Surface	0.80	0.80
I	Bolting-Outer Surface	228.84	228.84
J	Bolting-Outer Surface Additional	7.28	7.28
K	Bolting-Inner Surface	751.26	751.26
L	Bolting Deck Slab Upper Surface	0.12	0.12
M	Splice Plate Contact Area	5960.30	5960.30

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder BLK-1(BLK-53) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	2205		8.51	B	4.26	D	4.26		
1	DECK-O	PL	1930* 16	815		3.15	B	1.57	D	1.57		
1	RIB-O	PL	700* 24	2935		4.11	B	4.11				
2	URIB-O	U	320* 240* 8	925		2.49	B	0.65	C	0.12		
2	URIB-O	U	320* 240* 8	188		0.51	B	0.13	C	0.03		
4	RIB-O	PL	700* 24	2000		11.20	B	11.20				
2		PL	296* 9	320		0.38	B	0.38				
2	BACK	FB	50* 6	684		0.14						
2	BACK	FB	50* 6	226		0.05						
5	DE-F	PL	100* 10	1223		1.22	B	1.22				
1		PL	342* 6	2190		1.50	B	0.75	D	0.75		
1	DE-END	PL	434* 9	1896		1.65	B	0.82	D	0.82		
1	ST-W	PL	836* 9	2985		4.99	B	4.99				
1	ST-F	PL	100* 10	3068		0.61	B	0.61				
1	BR-W	PL	692* 10	1899		2.63	B	2.63				
1	BR-F	PL	370* 15	1803		1.33	B	1.33				
1	BR-STF	PL	100* 9	544		0.11	B	0.11				
1	BR-W	PL	692* 10	1899		2.63	B	2.63				
1	BR-F	PL	370* 15	1803		1.33	B	1.33				
1	BR-STF	PL	100* 9	544		0.11	B	0.11				
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	B	0.95				
1	DR-H	PL	250* 25	1500		0.75	B	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							B	40.53	C	0.15	D	7.40
4@ LB1-YSJ1(YSJ8-RB1)							B	162.12	C	0.60	D	29.60

Bago Brdge Main Girder BLK-1(BLK-53) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	2205		11.29	B	5.64	D	5.64		
1	DECK-O	PL	2560* 16	815		4.17	B	2.09	D	2.09		
4	URIB-O	U	320* 240* 8	925		4.99	B	1.30	C	0.25		
8	RIB-O	PL	700* 24	2000		22.40	B	22.40				
4		PL	296* 9	320		0.76	B	0.76				
4	BACK	FB	50* 6	684		0.29						
4	BACK	FB	50* 6	226		0.10						
8	DE-F	PL	100* 10	1223		1.96	B	1.96				
1	DE-END	PL	434* 9	2555		2.22	B	1.11	D	1.11		

Painting Calculation

(Unit : mm,m²)

1	BR-W	PL	1167* 10	2555		5.96	B	5.96					
1	BR-F	PL	370* 15	2590		1.92	B	1.92					
1	BR-STF	PL	100* 9	785		0.16	B	0.16					
1	BR-STF	PL	100* 9	1026		0.21	B	0.21					
1	BR-W	PL	1167* 10	2555		5.96	B	5.96					
1	BR-F	PL	370* 15	2590		1.92	B	1.92					
1	BR-STF	PL	100* 9	785		0.16	B	0.16					
1	BR-STF	PL	100* 9	1026		0.21	B	0.21					
YSJ1-YSJ2(YSJ7-YSJ8)							B	51.76	C	0.25	D	8.84	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							B	207.04	C	1.00	D	35.36	

Bago Brdge Main Girder BLK-1(BLK-53) YSJ2-YSJ4(YSJ5-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	5275* 16	2205		23.26	B	1.63	C	10.00	D	11.63	
1	DECK-IO	PL	5275* 16	815		8.60	B	0.60	C	3.70	D	4.30	
2	RIB-O	PL	700* 24	2935		8.22	B	8.22					
7	URIB-I	U	320* 240* 8	925		8.73	C	2.70					
12	RIB-I	PL	700* 24	2000		33.60	C	33.60					
6		PL	296* 9	320		1.14	C	1.14					
6	BACK	FB	50* 6	684		0.48							
6	BACK	FB	50* 6	226		0.14							
14	DE-F	PL	100* 10	1223		3.42	B	3.42					
1	DE-END	PL	434* 9	719		0.62	B	0.31	D	0.31			
1	DE-END	PL	434* 9	4535		3.94	C	1.97	D	1.97			
5	RIB	PL	260* 22	163		0.42	C	0.42					
45	RIB	PL	260* 22	226		5.29	C	5.29					
3	RIB	PL	260* 22	530		0.83	C	0.83					
5	RIB	PL	260* 22	156		0.41	C	0.41					
5	RIB	PL	260* 22	153		0.40	C	0.40					
1	BR-W	PL	1473* 10	1757		5.18	B	5.18					
1	BR-F	PL	370* 15	1781		1.32	B	1.32					
1	BR-W	PL	1412* 10	1387		3.92	B	3.92					
1	BR-F	PL	370* 15	1406		1.04	B	1.04					
1	LWEB	PL	2200* 14	4538		19.97	C	19.97					
1	HSTF	PL	140* 12	1403		0.39	C	0.39					
2	HSTF	PL	140* 12	1251		0.70	C	0.70					
2	HSTF	PL	140* 12	601		0.34	C	0.34					
1	VSTF	PL	160* 14	2182		0.70	C	0.70					
1	DOUBLE	PL	700* 28	1000		1.40							
1	RING	PL	100* 10	1615		0.32	C	0.32					
1		PL	324* 15	630		0.41	B	0.41					

Painting Calculation

(Unit : mm,m²)

1	RWEB	PL	2650* 14	4538	24.05	C	24.05												
1	HSTF	PL	140* 12	1603	0.45	C	0.45												
1	HSTF	PL	140* 12	492	0.14	C	0.14												
2	HSTF	PL	140* 12	1251	0.70	C	0.70												
2	HSTF	PL	140* 12	601	0.34	C	0.34												
1	VSTF	PL	160* 14	2632	0.84	C	0.84												
1	DOUBLE	PL	630* 28	930	1.17														
1	RING	PL	100* 10	1615	0.32	C	0.32												
2		PL	178* 15	1000	0.71	B	0.71												
1	WEB-O	PL	484* 14	2990	2.89	B	1.45	C	1.45										
1	WEB-O	PL	2560* 14	2990	15.31	B	7.65	C	7.65										
4	HSTF	PL	160* 16	1930	2.47	C	2.47												
5	HSTF	PL	160* 16	886	1.42	C	1.42												
1	LFLG-IO	PL	3165* 14	2990	18.93	B	9.84	C	9.08										
6	LF-RIB	PL	160* 16	886	1.70	C	1.70												
4	LF-RIB	PL	160* 16	2183	2.79	C	2.79												
1	DOUBLE	PL	980* 14	1440	2.82														
1	DIA	PL	2000* 22	2593	10.37	C	10.37												
1	DIA	PL	2000* 22	2605	10.42	C	10.42												
2	DOUBLE	PL	630* 44	930	2.34														
1		PL	480* 9	680	0.65														ME1
1		PL	700* 28	1000	1.40														ME1
3		RB	19 ϕ	600	0.11	B	0.07	C	0.04										ME1
2		PL	229* 9	400	0.37	C	0.37												ME1
2		PL	80* 9	110	0.04	C	0.04												ME1
1		RB	13 ϕ	270	0.01	B	0.01												ME1
4		BN	M 12* 55		0.01														ME1 Plating
2		WPIN	5 ϕ * 32																ME1
1		PL	630* 28	930	1.17														MP1
4		RB	19 ϕ	600	0.14	C	0.14												MP1
1		PL	630* 44	930	1.17														MP3
4		RB	19 ϕ	600	0.14	C	0.14												MP3
						B	45.78	C	157.80	D	18.21								
						B	183.12	C	631.20	D	72.84								

Bago Bdrge Main Girder BLK-1(BLK-53) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	3410* 16	2205		15.04	C	7.52	D	7.52			
1	DECK-I	PL	3410* 16	815		5.56	C	2.78	D	2.78			
2	RIB-I	PL	700* 24	2935		8.22	C	8.22					
4	RIB-I	PL	700* 20	2935		16.44	C	16.44					

Painting Calculation

(Unit : mm,m²)

6	DE-F	PL	100* 10	1223		1.47	C	1.47						
2	DE-END	PL	434* 9	453		0.79	C	0.39	D	0.39				
1	DE-END	PL	434* 9	2472		2.15	C	1.07	D	1.07				
10	RIB	PL	260* 22	153		0.80	C	0.80						
10	RIB	PL	260* 22	168		0.87	C	0.87						
10	RIB	PL	260* 22	406		2.11	C	2.11						
15	RIB	PL	260* 22	410		3.20	C	3.20						
1	LWEB	PL	2234* 14	2472		11.04	C	11.04						
2	LWEB	PL	2209* 14	453		4.00	C	4.00						
1	HSTF	PL	140* 12	2402		0.67	C	0.67						
2	HSTF	PL	140* 12	530		0.30	C	0.30						
1	HSTF	PL	140* 12	1158		0.32	C	0.32						
1	RWEB	PL	2684* 14	2472		13.27	C	13.27						
2	RWEB	PL	2659* 14	453		4.82	C	4.82						
1	HSTF	PL	140* 12	2402		0.67	C	0.67						
2	HSTF	PL	140* 12	530		0.30	C	0.30						
1	HSTF	PL	140* 12	1158		0.32	C	0.32						
2	WEB-I	PL	2659* 14	2990		31.80	C	31.80						
2	LO-RIB	PL	160* 16	1165		0.75	C	0.75						
4	LO-RIB	PL	160* 16	1930		2.47	C	2.47						
2	LO-RIB	PL	160* 16	1230		0.79	C	0.79						
2	LO-RIB	PL	160* 16	230		0.15	C	0.15						
8	LO-RIB	PL	160* 16	886		2.27	C	2.27						
2	DOUBLE	PL	630* 28	930		2.34								
1	LFLG-I	PL	3410* 14	2990		20.39	B	10.20	C	10.20				
6	LF-RIB	PL	160* 16	886		1.70	C	1.70						
2	LF-RIB	PL	160* 16	3400		2.18	C	2.18						
2	LF-RIB	PL	160* 16	3469		2.22	C	2.22	C					
2	WEB	PL	800* 22	2000		6.40	C	6.40						
2	FLG	PL	150* 22	2000		1.20	C	1.20						
1	SOLE	PL	1200* 66	1250	85	2.55	M	1.28						
2		PL	630* 28	930		2.34								MP2
8		RB	19 φ	600		0.29	C	0.29						MP2
							B	10.20	C	143.00	D	11.76	M	1.28
							B	20.40	C	286.00	D	23.52	M	2.56
							B	572.68	C	918.80	D	161.32	M	2.56

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder BLK-2(BLK-52) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80

Bago Brdge Main Girder BLK-2(BLK-52) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16

Bago Brdge Main Girder BLK-2(BLK-52) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit: mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27							
8	UR-DIA	PL	254* 6	308		1.25	C	0.31							
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40							
4	BR-F	PL	240* 15	1421		2.73	A	2.73							
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90							
2	HSTF	PL	140* 11	2169		1.21	C	1.21							
2	HSTF	PL	140* 11	1204		0.67	C	0.67							
4	HIKAE	PL	116* 15	500		0.46	C	0.46							
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56							
2	YR-UF	PL	240* 10	1712		1.64	C	1.64							
2	YR-LW	PL	527* 9	1507		3.18	C	3.18							
2	YR-LF	PL	230* 10	1524		1.40	C	1.40							
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38							
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36					
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04					
2	VSTF	PL	170* 14	864		0.59	C	0.59							
5	HSTF	PL	160* 16	516		0.83	C	0.83							
6	HSTF	PL	160* 16	2171		4.17	C	4.17							
3	HSTF	PL	160* 16	2061		1.98	C	1.98							
3	HSTF	PL	160* 16	2066		1.98	C	1.98							
2	HSTF	PL	160* 16	1646		1.05	C	1.05							
1	HSTF	PL	160* 16	1535		0.49	C	0.49							
1	HSTF	PL	160* 16	1540		0.49	C	0.49							
3	HSTF	PL	160* 16	2169		2.08	C	2.08							
1	HSTF	PL	160* 16	1643		0.53	C	0.53							
1	LFLG-IO	PL	1255* 14	9000		22.59	A	12.42	C	10.17					
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75							
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05							
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05							
1	MIZUNUKI	PL	75* 22	75	70	0.01									
15	HANG	NUT	M 20				K								
15	HANG	BOLT	M 20* 65				K								
15	HANG	INUT		20											
1		PL	270* 16	630		0.34								HH	
1		PL	270* 9	450		0.24								HH	
6		BN	M 16* 60			0.02								HH	
1		PL	270* 16	630		0.34								HH	
1		PL	270* 9	450		0.24								HH	
6		BN	M 16* 60			0.02								HH	
							A	61.71	C	139.63	D	27.54			
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16			

Bago Bdrge Main Girder BLK-2(BLK-52) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 14	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)							A	17.19	C	111.20	D	19.94
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76

Bago Bdrge Main Girder BLK-2(BLK-52) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	870* 16	2105		3.66						
2	RIB	PL	220* 22	2472		2.18	C	2.18				
1	PIPE	STK	457.2* 12.7	1603		2.30	A	1.15	C	1.15		
12	P-RIB	PL	95* 12	200		0.46	A	0.46				
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D2
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D2
1	HSTF	PL	140* 11	2402		0.67	C	0.67				D2
2	HSTF	PL	140* 11	911		0.51	C	0.51				D2
2	COLLAR	PL	100* 10	1000		0.40	C	0.40				D2

Painting Calculation

(Unit : mm,m²)

4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	DIA	PL	453* 9	2659	4.82	C	4.82					D3
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D3
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D3
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D3
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D3
1	D-FLG	PL	150* 10	715	0.21	C	0.21					D3
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 14	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C1
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C1
1	CAB-W	PL	2450* 25	2472	12.11	C	12.11					C1
1	CAB-R	PL	200* 25	1770	0.71	C	0.71					C1
1	CAB-W	PL	1480* 25	2472	7.32	C	7.32					C1
1	CAB-R	PL	200* 25	1530	0.61	C	0.61					C1
2	CAB-R	PL	455* 25	985	1.79	C	1.79					C1
4	CAB-R	PL	180* 25	953	1.37	C	1.37					C1

Painting Calculation

(Unit: mm,m²)

1	CAB-ANC	PL	750* 110	750	1.13								C1 Plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19						
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10						
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05						
3	MIZUNUKI	PL	75* 22	75	70	0.02							
6	HANG	NUT	M 20										
6	HANG	BOLT	M 20* 65										
6	HANG	INUT	20										
1		PL	2020* 16	2020	8.16								MD2
1		PL	1120* 9	1120	2.51								MD2
2		FB	100* 6	900	0.36	C	0.36						MD2
2		PL	220* 22	2472	2.18	C	2.18						MD2
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
YSJ4-YSJ5 6.0m						A	22.42	C	239.46	D	20.46	G	0.58
						K	0.20	M	1.15				
2@ YSJ4-YSJ5 6.0m						A	44.84	C	478.92	D	40.92	G	1.16
						K	0.40	M	2.30				

Bago Brdge Main Girder BLK-2(BLK-52) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23				
2	RIB-I	PL	250* 24	2990		2.99	C	2.99						
4	RIB-I	PL	200* 20	2990		4.78	C	4.78						
2	YR-UW	PL	700* 9	453		1.27	C	1.27						CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43						CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95						CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42						CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58						CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19						CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61						CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14						CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91						
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74						
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76						
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00						
2	VSTF	PL	140* 11	1412		0.79	C	0.79						
1	LFLG-I	PL	3410* 14	3000		20.46	A	10.23	C	10.23				
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74						
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19						

Painting Calculation

(Unit: mm, m²)

2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10						
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05						
3	MIZUNUKI	PL	75* 22	75	70	0.02								
4	HANG	NUT	M 20				K							
4	HANG	BOLT	M 20* 65				K							
4	HANG	INUT		20										
2		PL	200* 16	200		0.16	D	0.16						
1		PL	270* 16	630		0.34							HH	
1		PL	270* 9	450		0.24							HH	
6		BN	M 16* 60			0.02							HH	
1		PL	1230* 14	1630		4.01							MW1	
2		RB	19 φ	600		0.07	C	0.07					MW1	
							A	10.23	C	86.17	D	10.39		
YSJ4-YSJ5 3.0m							A	20.46	C	172.34	D	20.78		
2@ YSJ4-YSJ5 3.0m														
BLK-2(BLK-52)							A	835.10	C	1670.86	D	425.58	G	1.16
							K	0.40	M	2.30				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder BLK-3(BLK-51) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
1	KR-DECK	PL	571* 16	1632		1.86	A	1.62	C	0.24		Channel Widening	
1	KR-TOP	PL	391* 9	591		0.46	A	0.23	C	0.23			
1	KR-RIB	PL	183* 9	591		0.22	C	0.22					
2	KR-RIB	PL	217* 9	591		0.51	A	0.26	C	0.26			
3	KR-RIB	PL	369* 9	591		1.31	A	1.31					
1	KR-RIB	PL	367* 9	384		0.28	A	0.28					
2	KR-WEB	PL	388* 9	1471		2.28	A	2.28					
2	KR-FLG	PL	100* 10	1146		0.46	A	0.46					
2	KR-RIB	PL	182* 9	827		0.60	A	0.60					
1	KR-BASE	PL	450* 9	450		0.41	A	0.32	C	0.08			
1	KR-BASE	PL	400* 10	400		0.32							
LB1-YSJ1(YSJ8-RB1)							A	60.72	C	2.37	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	242.88	C	9.48	D	81.80	

Bago Brdge Main Girder BLK-3(BLK-51) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				

Painting Calculation

(Unit : mm,m²)

4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bidge Main Girder BLK-3(BLK-51) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 14	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						

Painting Calculation

(Unit: mm,m²)

15	HANG	BOLT	M 20* 65				K												
15	HANG	INUT		20															
1		PL	1300* 16		1700		4.42												MD1
1		PL	680* 9		880		1.20												MD1
1		PL	747* 8		780		1.17	C	1.17										MD1
2	DIA	PL	254* 6		308		0.31	C	0.16										MD1
8	SPL	PL	155* 10		320		0.79	G	0.40	M	0.79								MD1
32		TCB	M 22* 65				0.16	K	0.16										MD1
1		PL	270* 16		630		0.34												HH
1		PL	270* 9		450		0.24												HH
6		BN	M 16* 60				0.02												HH
YSJ2-YSJ3(YSJ6-YSJ7)								A	61.71	C	140.96	D	27.54	G	0.40				
								K	0.16	M	0.79								
4@ YSJ2-YSJ3(YSJ6-YSJ7)								A	246.84	C	563.84	D	110.16	G	1.60				
								K	0.64	M	3.16								

Bago Bridge Main Girder BLK-3(BLK-51) YSJ3-YSJ4(YSJ5-YSJ6)																			
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area										Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94									
1	RIB-I	PL	250* 24	8990		4.50	C	4.50											
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27											
6	UR-DIA	PL	254* 6	308		0.94	C	0.23											
2	DIA	PL	2206* 9	2650		23.38	C	23.38											
2	HSTF	PL	140* 11	1804		1.01	C	1.01											
2	HSTF	PL	140* 11	1611		0.90	C	0.90											
6	COLLAR	PL	100* 10	1400		1.68	C	1.68											
8	COLLAR	PL	90* 10	1040		1.50	C	1.50											
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25											
2	YR-UF	PL	240* 10	2258		2.17	C	2.17											
2	YR-LW	PL	527* 9	1905		4.02	C	4.02											
2	YR-LF	PL	230* 10	1905		1.75	C	1.75											
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25											
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51											
1	LFLG-I	PL	1910* 14	9000		34.38	A	17.19	C	17.19									
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51											
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14											
1	MIZUNUKI	PL	75* 22	75	70	0.01													
YSJ3-YSJ4(YSJ5-YSJ6)								A	17.19	C	111.20	D	19.94						
4@ YSJ3-YSJ4(YSJ5-YSJ6)								A	68.76	C	444.80	D	79.76						

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-3(BLK-51) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	870* 16	1960		3.41						
2	RIB	PL	220* 22	2472		2.18	C	2.18				
1	PIPE	STK	457.2* 12.7	1535		2.19	A	1.10	C	1.10		
12	P-RIB	PL	95* 12	200		0.46	A	0.46				
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D2
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D2
1	HSTF	PL	140* 11	2402		0.67	C	0.67				D2
2	HSTF	PL	140* 11	911		0.51	C	0.51				D2
2	COLLAR	PL	100* 10	1000		0.40	C	0.40				D2
4	COLLAR	PL	90* 10	740		0.53	C	0.53				D2
1		PL	95* 9	410		0.08	C	0.08				D2
1		PL	500* 9	570		0.57	C	0.57				D2
2	SPL	PL	165* 9	400		0.26	G	0.13	M	0.26		D2
8	TCB	TCB	M 22* 65			0.04	K	0.04				D2
4	SPL	PL	165* 9	330		0.44	G	0.22	M	0.44		D2
16	TCB	TCB	M 22* 65			0.08	K	0.08				D2
1	HSTF	PL	140* 11	570		0.16	C	0.16				D2
4	SPL	PL	100* 9	315		0.25	G	0.13	M	0.25		D2
8	TCB	TCB	M 22* 65			0.04	K	0.04				D2
1	COLLAR	PL	100* 10	570		0.11	C	0.11				D2
2	COLLAR	PL	100* 10	210		0.08	C	0.08				D2
4	SPL	PL	80* 9	315		0.20	G	0.10	M	0.20		D2
8	TCB	TCB	M 22* 65			0.04	K	0.04				D2
2	DIA	PL	453* 9	2659		4.82	C	4.82				D3
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D3
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D3
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D3
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D3
1	D-FLG	PL	150* 10	715		0.21	C	0.21				D3
2	YR-W	PL	453* 9	2659		4.82	C	4.82				CF2
2	YR-F	PL	150* 10	1206		0.72	C	0.72				CF2
4	YR-UF	PL	116* 10	453		0.42	C	0.42				CF2
4	YR-LF	PL	111* 16	453		0.40	C	0.40				CF2
1	YR-UW	PL	375* 9	2472		1.85	C	1.85				CF2
1	YR-UF	PL	150* 10	2472		0.74	C	0.74				CF2
1	YR-LW	PL	527* 9	2472		2.61	C	2.61				CF2

Painting Calculation

(Unit : mm,m²)

1	YR-LF	PL	230* 10	2472		1.14	C	1.14							CF2
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82							
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50							
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72							
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96							
2	VSTF	PL	140* 11	1412		0.79	C	0.79							
1	LFLG-I	PL	3410* 14	6000		40.92	A	20.46	C	20.46					
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50							
1	CAB-F	PL	935* 32	2472		4.62	C	4.62							C2
2	CAB-F	PL	200* 32	2472		1.98	C	1.98							C2
1	CAB-W	PL	2370* 25	2472		11.72	C	11.72							C2
1	CAB-R	PL	200* 25	1800		0.72	C	0.72							C2
1	CAB-W	PL	1460* 25	2472		7.22	C	7.22							C2
1	CAB-R	PL	200* 25	1540		0.62	C	0.62							C2
2	CAB-R	PL	455* 25	985		1.79	C	1.79							C2
4	CAB-R	PL	180* 25	953		1.37	C	1.37							C2
1	CAB-ANC	PL	750* 110	750		1.13									C2 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19							
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10							
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05							
3	MIZUNUKI	PL	75* 22	75	70	0.02									
6	HANG	NUT	M 20				K								
6	HANG	BOLT	M 20* 65				K								
6	HANG	INUT			20										
1		PL	2020* 16	2020		8.16									MD2
1		PL	1120* 9	1120		2.51									MD2
2		FB	100* 6	900		0.36	C	0.36							MD2
2		PL	220* 22	2472		2.18	C	2.18							MD2
YSJ4-YSJ5 6.0m							A	22.37	C	238.94	D	20.46	G	0.58	
							K	0.20	M	1.15					
2@ YSJ4-YSJ5 6.0m							A	44.74	C	477.88	D	40.92	G	1.16	
							K	0.40	M	2.30					

Bago Bridge Main Girder BLK-3(BLK-51) YSJ4-YSJ5 3.0m															
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks		
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23					
2	RIB-I	PL	250* 24	2990		2.99	C	2.99							
4	RIB-I	PL	200* 20	2990		4.78	C	4.78							
2	YR-UW	PL	700* 9	453		1.27	C	1.27							CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43							CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95							CF1

Painting Calculation

(Unit : mm,m²)

2	YR-LF	PL	230* 16	453		0.42	C	0.42							CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58							CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19							CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61							CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14							CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91							
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74							
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76							
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00							
2	VSTF	PL	140* 11	1412		0.79	C	0.79							
1	LFLG-I	PL	3410* 14	3000		20.46	A	10.23	C	10.23					
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74							
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19							
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10							
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05							
3	MIZUNUKI	PL	75* 22	75	70	0.02									
4	HANG	NUT	M 20				K								
4	HANG	BOLT	M 20* 65				K								
4	HANG	INUT		20											
2		PL	200* 16	200		0.16	D	0.16							
1		PL	270* 16	630		0.34									HH
1		PL	270* 9	450		0.24									HH
6		BN	M 16* 60			0.02									HH
1		PL	1230* 14	1630		4.01									MW1
2		RB	19 φ	600		0.07	C	0.07							MW1
YSJ4-YSJ5 3.0m								A	10.23	C	86.17	D	10.39		
2@ YSJ4-YSJ5 3.0m								A	20.46	C	172.34	D	20.78		
BLK-3(BLK-51)								A	864.44	C	1679.26	D	425.58	G	2.76
								K	1.04	M	5.46				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-4(BLK-50) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	K-DECK	PL	550* 16	1717		1.89	A	0.94	D	0.94		Lighting
1	K-WEB	PL	384* 9	2144		1.65	A	1.65				
3	K-RIB	PL	369* 9	541		1.20	A	1.20				
2	K-RIB	PL	367* 9	384		0.56	A	0.56				
3	K-WEB	PL	388* 9	1471		3.42	A	3.42				
3	K-FLG	PL	100* 10	1146		0.69	A	0.69				
2	K-RIB	PL	359* 9	286		0.41	A	0.41				
1	K-BASE	PL	350* 22	350		0.25						
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	62.23	C	1.34	D	21.39
4@ LB1-YSJ1(YSJ8-RB1)							A	248.92	C	5.36	D	85.56

Bago Bridge Main Girder BLK-4(BLK-50) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				

Painting Calculation

(Unit : mm,m²)

YSJ1-YSJ2(YSJ7-YSJ8)				A	60.19	C	2.73	D	23.04		
4@ YSJ1-YSJ2(YSJ7-YSJ8)				A	240.76	C	10.92	D	92.16		

Bago Bridge Main Girder BLK-4(BLK-50) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 14	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						
15	HANG	BOLT	M 20* 65				K						
15	HANG	INUT	20										
1		PL	270* 16	630		0.34							HH

Painting Calculation

(Unit: mm,m²)

1		PL	270* 9	450		0.24												HH	
6		BN	M 16* 60			0.02												HH	
						YSJ2-YSJ3(YSJ6-YSJ7)						A	61.71	C	139.63	D	27.54		
						4@ YSJ2-YSJ3(YSJ6-YSJ7)						A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-4(BLK-50) YSJ3-YSJ4(YSJ5-YSJ6)																			
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area							Remarks					
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94									
1	RIB-I	PL	250* 24	8990		4.50	C	4.50											
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27											
6	UR-DIA	PL	254* 6	308		0.94	C	0.23											
2	DIA	PL	2206* 9	2650		23.38	C	23.38											
2	HSTF	PL	140* 11	1804		1.01	C	1.01											
2	HSTF	PL	140* 11	1611		0.90	C	0.90											
6	COLLAR	PL	100* 10	1400		1.68	C	1.68											
8	COLLAR	PL	90* 10	1040		1.50	C	1.50											
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25											
2	YR-UF	PL	240* 10	2258		2.17	C	2.17											
2	YR-LW	PL	527* 9	1905		4.02	C	4.02											
2	YR-LF	PL	230* 10	1905		1.75	C	1.75											
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25											
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51											
1	LFLG-I	PL	1910* 14	9000		34.38	A	17.19	C	17.19									
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51											
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14											
1	MIZUNUKI	PL	75* 22	75	70	0.01													
						YSJ3-YSJ4(YSJ5-YSJ6)						A	17.19	C	111.20	D	19.94		
						4@ YSJ3-YSJ4(YSJ5-YSJ6)						A	68.76	C	444.80	D	79.76		

Bago Bridge Main Girder BLK-4(BLK-50) YSJ4-YSJ5 6.0m																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area							Remarks				
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46								
2	RIB-I	PL	250* 24	5990		5.99	C	5.99										
4	RIB-I	PL	200* 20	5990		9.58	C	9.58										
1	DOUBLE	PL	870* 16	1920		3.34												
2	RIB	PL	220* 22	2472		2.18	C	2.18										
1	PIPE	STK	457.2* 12.7	1462		2.09	A	1.05	C	1.05								
12	P-RIB	PL	95* 12	200		0.46	A	0.46										
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35										

Painting Calculation

(Unit : mm,m²)

2	DIA	PL	453* 9	2659	4.82	C	4.82					D2
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D2
1	HSTF	PL	140* 11	2402	0.67	C	0.67					D2
2	HSTF	PL	140* 11	911	0.51	C	0.51					D2
2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	DIA	PL	453* 9	2659	4.82	C	4.82					D3
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D3
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D3
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D3
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D3
1	D-FLG	PL	150* 10	715	0.21	C	0.21					D3
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 14	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C3
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C3
1	CAB-W	PL	2280* 25	2472	11.27	C	11.27					C3

Painting Calculation

(Unit : mm,m²)

1	CAB-R	PL	200* 25	1830		0.73	C	0.73												C3	
1	CAB-W	PL	1420* 25	2472		7.02	C	7.02													C3
1	CAB-R	PL	200* 25	1560		0.62	C	0.62													C3
2	CAB-R	PL	455* 25	985		1.79	C	1.79													C3
4	CAB-R	PL	180* 25	953		1.37	C	1.37													C3
1	CAB-ANC	PL	750* 110	750		1.13															C3 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19													
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10													
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05													
3	MIZUNUKI	PL	75* 22	75	70	0.02															
6	HANG	NUT	M 20																		
6	HANG	BOLT	M 20* 65																		
6	HANG	INUT		20																	
1		PL	2020* 16	2020		8.16															MD2
1		PL	1120* 9	1120		2.51															MD2
2		FB	100* 6	900		0.36	C	0.36													MD2
2		PL	220* 22	2472		2.18	C	2.18													MD2
YSJ4-YSJ5 6.0m							A	22.32	C	238.25	D	20.46	G	0.58							
							K	0.20	M	1.15											
2@ YSJ4-YSJ5 6.0m							A	44.64	C	476.50	D	40.92	G	1.16							
							K	0.40	M	2.30											

Bago Bridge Main Girder BLK-4(BLK-50) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks										
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23											
2	RIB-I	PL	250* 24	2990		2.99	C	2.99													
4	RIB-I	PL	200* 20	2990		4.78	C	4.78													
2	YR-UW	PL	700* 9	453		1.27	C	1.27													CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43													CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95													CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42													CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58													CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19													CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61													CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14													CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91													
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74													
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76													
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00													
2	VSTF	PL	140* 11	1412		0.79	C	0.79													
1	LFLG-I	PL	3410* 14	3000		20.46	A	10.23	C	10.23											

Painting Calculation

(Unit : mm,m²)

6	LF-RIB	PL	160* 16	2990		5.74	C	5.74						
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19						
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10						
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05						
3	MIZUNUKI	PL	75* 22	75	70	0.02								
4	HANG	NUT	M 20				K							
4	HANG	BOLT	M 20* 65				K							
4	HANG	INUT		20										
2		PL	200* 16	200		0.16	D	0.16						
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
1		PL	1230* 14	1630		4.01								MW1
2		RB	19 φ	600		0.07	C	0.07						MW1
YSJ4-YSJ5 3.0m							A	10.23	C	86.17	D	10.39		
2@ YSJ4-YSJ5 3.0m							A	20.46	C	172.34	D	20.78		
BLK-4(BLK-50)							A	870.38	C	1668.44	D	429.34	G	1.16
							K	0.40	M	2.30				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-5(BLK-49) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80

Bago Bridge Main Girder BLK-5(BLK-49) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16

Bago Bridge Main Girder BLK-5(BLK-49) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 14	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-5(BLK-49) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit: mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 14	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-5(BLK-49) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	870* 16	1690		2.94						
1	PIPE	STK	457.2* 12.7	1383		1.98	A	0.99	C	0.99		
12	P-RIB	PL	95* 12	200		0.46	A	0.46				
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D2
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D2
1	HSTF	PL	140* 11	2402		0.67	C	0.67				D2
2	HSTF	PL	140* 11	911		0.51	C	0.51				D2

Painting Calculation

(Unit : mm,m²)

2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 14	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C4
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C4
1	CAB-W	PL	2180* 25	2472	10.78	C	10.78					C4
1	CAB-R	PL	200* 25	1880	0.75	C	0.75					C4
1	CAB-W	PL	1380* 25	2472	6.82	C	6.82					C4
1	CAB-R	PL	200* 25	1590	0.64	C	0.64					C4
2	CAB-R	PL	455* 25	985	1.79	C	1.79					C4
4	CAB-R	PL	180* 25	953	1.37	C	1.37					C4
1	CAB-ANC	PL	750* 110	750	1.13							C4 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						

Painting Calculation

(Unit : mm,m²)

6	HANG	NUT	M 20																						
6	HANG	BOLT	M 20* 65																						
6	HANG	INUT	20																						
1		PL	2020* 16	2020		8.16																			MD2
1		PL	1120* 9	1120		2.51																			MD2
2		FB	100* 6	900		0.36	C	0.36																	MD2
2		PL	220* 22	2472		2.18	C	2.18																	MD2
YSJ4-YSJ5 6.0m							A	22.26	C	235.15	D	20.46	G	0.58											
							K	0.20	M	1.15															
2@ YSJ4-YSJ5 6.0m							A	44.52	C	470.30	D	40.92	G	1.16											
							K	0.40	M	2.30															

Bago Bridge Main Girder BLK-5(BLK-49) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area							Remarks												
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23																
2	RIB-I	PL	250* 24	2990		2.99	C	2.99																		
4	RIB-I	PL	200* 20	2990		4.78	C	4.78																		
2	YR-UW	PL	700* 9	453		1.27	C	1.27																	CF1	
2	YR-UF	PL	240* 10	453		0.43	C	0.43																	CF1	
2	YR-LW	PL	527* 9	453		0.95	C	0.95																	CF1	
2	YR-LF	PL	230* 16	453		0.42	C	0.42																	CF1	
1	YR-UW	PL	725* 9	2472		3.58	C	3.58																	CF1	
1	YR-UF	PL	240* 10	2472		1.19	C	1.19																	CF1	
1	YR-LW	PL	527* 9	2472		2.61	C	2.61																	CF1	
1	YR-LF	PL	230* 10	2472		1.14	C	1.14																	CF1	
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91																		
6	LONGIT-RIB	PL	160* 16	2990		5.74	C	5.74																		
2	LONGIT-RIB	PL	160* 16	1180		0.76	C	0.76																		
2	LONGIT-RIB	PL	160* 16	1560		1.00	C	1.00																		
2	VSTF	PL	140* 11	1412		0.79	C	0.79																		
1	LFLG-I	PL	3410* 14	3000		20.46	A	10.23	C	10.23																
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74																		
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19																		
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10																		
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05																		
3	MIZUNUKI	PL	75* 22	75	70	0.02																				
4	HANG	NUT	M 20																							
4	HANG	BOLT	M 20* 65																							
4	HANG	INUT	20																							
2		PL	200* 16	200		0.16	D	0.16																		
1		PL	270* 16	630		0.34																			HH	

Painting Calculation

(Unit : mm,m²)

1	PL	270* 9	450	0.24											HH
6	BN	M 16* 60		0.02											HH
1	PL	1230* 14	1630	4.01											MW1
2	RB	19 φ	600	0.07	C	0.07									MW1
YSJ4-YSJ5 3.0m					A	10.23	C	86.17	D	10.39					
2@ YSJ4-YSJ5 3.0m					A	20.46	C	172.34	D	20.78					
BLK-5(BLK-49)					A	834.78	C	1662.24	D	425.58	G	1.16			
					K	0.40	M	2.30							

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-6(BLK-48) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-6(BLK-48) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-6(BLK-48) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					

Painting Calculation

(Unit: mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 14	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit : mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.96	D	27.54	G	0.40	
		K	0.16	M	0.79					
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.84	D	110.16	G	1.60	
		K	0.64	M	3.16					

Bago Bridge Main Girder BLK-6(BLK-48) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27			
6	UR-DIA	PL	254* 6	308		0.94	C	0.23			
2	DIA	PL	2206* 9	2650		23.38	C	23.38			
2	HSTF	PL	140* 11	1804		1.01	C	1.01			
2	HSTF	PL	140* 11	1611		0.90	C	0.90			
6	COLLAR	PL	100* 10	1400		1.68	C	1.68			
8	COLLAR	PL	90* 10	1040		1.50	C	1.50			
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25			
2	YR-UF	PL	240* 10	2258		2.17	C	2.17			
2	YR-LW	PL	527* 9	1905		4.02	C	4.02			
2	YR-LF	PL	230* 10	1905		1.75	C	1.75			
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25			
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51			
1	LFLG-I	PL	1910* 14	9000		34.38	A	17.19	C	17.19	
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51			
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14			
1	MIZUNUKI	PL	75* 22	75	70	0.01					
YSJ3-YSJ4(YSJ5-YSJ6)		A				17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A				68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-6(BLK-48) YSJ4-YSJ5 6.0m											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46	
2	RIB-I	PL	250* 24	5990		5.99	C	5.99			
4	RIB-I	PL	200* 20	5990		9.58	C	9.58			
1	DOUBLE	PL	870* 16	1590		2.77					
1	PIPE	STK	457.2* 12.7	1296		1.85	A	0.93	C	0.93	
12	P-RIB	PL	95* 12	200		0.46	A	0.46			
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35			
2	DIA	PL	453* 9	2659		4.82	C	4.82			D1

Painting Calculation

(Unit : mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D2
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D2
1	HSTF	PL	140* 11	2402	0.67	C	0.67					D2
2	HSTF	PL	140* 11	911	0.51	C	0.51					D2
2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 14	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C5
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C5
1	CAB-W	PL	2080* 25	2472	10.28	C	10.28					C5
1	CAB-R	PL	200* 25	1940	0.78	C	0.78					C5
1	CAB-W	PL	1340* 25	2472	6.62	C	6.62					C5

Painting Calculation

(Unit : mm,m²)

1	CAB-R	PL	200* 25	1630		0.65	C	0.65										C5
2	CAB-R	PL	455* 25	985		1.79	C	1.79										C5
4	CAB-R	PL	180* 25	953		1.37	C	1.37										C5
1	CAB-ANC	PL	750* 110	750		1.13												C5 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19										
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10										
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05										
3	MIZUNUKI	PL	75* 22	75	70	0.02												
6	HANG	NUT	M 20															
6	HANG	BOLT	M 20* 65															
6	HANG	INUT		20														
1		PL	2020* 16	2020		8.16												MD2
1		PL	1120* 9	1120		2.51												MD2
2		FB	100* 6	900		0.36	C	0.36										MD2
2		PL	220* 22	2472		2.18	C	2.18										MD2
YSJ4-YSJ5 6.0m							A	22.20	C	234.43	D	20.46	G	0.58				
							K	0.20	M	1.15								
2@ YSJ4-YSJ5 6.0m							A	44.40	C	468.86	D	40.92	G	1.16				
							K	0.40	M	2.30								

Bago Bridge Main Girder BLK-6(BLK-48) YSJ4-YSJ5 3.0m																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23								
2	RIB-I	PL	250* 24	2990		2.99	C	2.99										
4	RIB-I	PL	200* 20	2990		4.78	C	4.78										
2	YR-UW	PL	700* 9	453		1.27	C	1.27										CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43										CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95										CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42										CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58										CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19										CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61										CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14										CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91										
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74										
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76										
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00										
2	VSTF	PL	140* 11	1412		0.79	C	0.79										
1	LFLG-I	PL	3410* 14	3000		20.46	A	10.23	C	10.23								
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74										
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19										

Painting Calculation

(Unit : mm,m²)

2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02							
4	HANG	NUT	M 20				K						
4	HANG	BOLT	M 20* 65				K						
4	HANG	INUT		20									
2		PL	200* 16	200		0.16	D	0.16					
1		PL	270* 16	630		0.34							HH
1		PL	270* 9	450		0.24							HH
6		BN	M 16* 60			0.02							HH
1		PL	1230* 14	1630		4.01							MW1
2		RB	19 φ	600		0.07	C	0.07					MW1
							A	10.23	C	86.17	D	10.39	
YSJ4-YSJ5 3.0m							A	20.46	C	172.34	D	20.78	
2@ YSJ4-YSJ5 3.0m													
BLK-6(BLK-48)							A	834.66	C	1666.12	D	425.58	G 2.76
							K	1.04	M	5.46			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-7(BLK-47) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-7(BLK-47) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-7(BLK-47) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT	20											
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-7(BLK-47) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit : mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-7(BLK-47) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	1180		1.60						
1	PIPE	STK	355.6* 7.9	1133		1.27	A	0.64	C	0.64		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1

Painting Calculation

(Unit : mm,m²)

4	COLLAR	PL	90* 10	1040		0.75	C	0.75											D1	
2	YR-W	PL	453* 9	2659		4.82	C	4.82											CF2	
2	YR-F	PL	150* 10	1206		0.72	C	0.72											CF2	
4	YR-UF	PL	116* 10	453		0.42	C	0.42											CF2	
4	YR-LF	PL	111* 16	453		0.40	C	0.40											CF2	
1	YR-UW	PL	375* 9	2472		1.85	C	1.85											CF2	
1	YR-UF	PL	150* 10	2472		0.74	C	0.74											CF2	
1	YR-LW	PL	527* 9	2472		2.61	C	2.61											CF2	
1	YR-LF	PL	230* 10	2472		1.14	C	1.14											CF2	
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82												
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50												
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72												
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96												
2	VSTF	PL	140* 11	1412		0.79	C	0.79												
1	LFLG-I	PL	3410* 11	6000		40.92	A	20.46	C	20.46										
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50												
1	CAB-F	PL	720* 36	2472		3.56	C	3.56											C6	
2	CAB-F	PL	150* 30	2472		1.48	C	1.48											C6	
1	CAB-W	PL	1780* 22	2472		8.80	C	8.80											C6	
1	CAB-R	PL	200* 22	2090		0.84	C	0.84											C6	
1	CAB-W	PL	1280* 22	2472		6.33	C	6.33											C6	
1	CAB-R	PL	200* 22	1830		0.73	C	0.73											C6	
2	CAB-R	PL	340* 22	785		1.07	C	1.07											C6	
4	CAB-R	PL	130* 22	755		0.79	C	0.79											C6	
1	CAB-ANC	PL	550* 85	550		0.61													C6 plating	
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19												
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10												
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05												
3	MIZUNUKI	PL	75* 22	75	70	0.02														
6	HANG	NUT	M 20				K													
6	HANG	BOLT	M 20* 65				K													
6	HANG	INUT		20																
1		PL	2020* 16	2020		8.16													MD2	
1		PL	1120* 9	1120		2.51													MD2	
2		FB	100* 6	900		0.36	C	0.36											MD2	
2		PL	220* 22	2472		2.18	C	2.18											MD2	
YSJ4-YSJ5 6.0m							A	21.66	C	229.30	D	20.46								
2@ YSJ4-YSJ5 6.0m							A	43.32	C	458.60	D	40.92								

Bago Bridge Main Girder BLK-7(BLK-47) YSJ4-YSJ5 3.0m										
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks

Painting Calculation

(Unit : mm,m²)

1	DECK-I	PL	3410* 16	3000	20.46	C	10.23	D	10.23					
2	RIB-I	PL	250* 24	2990	2.99	C	2.99							
4	RIB-I	PL	200* 20	2990	4.78	C	4.78							
2	YR-UW	PL	700* 9	453	1.27	C	1.27						CF1	
2	YR-UF	PL	240* 10	453	0.43	C	0.43						CF1	
2	YR-LW	PL	527* 9	453	0.95	C	0.95						CF1	
2	YR-LF	PL	230* 16	453	0.42	C	0.42						CF1	
1	YR-UW	PL	725* 9	2472	3.58	C	3.58						CF1	
1	YR-UF	PL	240* 10	2472	1.19	C	1.19						CF1	
1	YR-LW	PL	527* 9	2472	2.61	C	2.61						CF1	
1	YR-LF	PL	230* 10	2472	1.14	C	1.14						CF1	
2	WEB-I	PL	2659* 14	3000	31.91	C	31.91							
6	LONGIT-RIB	PL	160* 16	2990	5.74	C	5.74							
2	LONGIT-RIB	PL	160* 16	1180	0.76	C	0.76							
2	LONGIT-RIB	PL	160* 16	1560	1.00	C	1.00							
2	VSTF	PL	140* 11	1412	0.79	C	0.79							
1	LFLG-I	PL	3410* 11	3000	20.46	A	10.23	C	10.23					
6	LF-RIB	PL	160* 16	2990	5.74	C	5.74							
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19							
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10							
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05							
3	MIZUNUKI	PL	75* 22	75	70	0.02								
4	HANG	NUT	M 20					K						
4	HANG	BOLT	M 20* 65					K						
4	HANG	INUT	20											
2		PL	200* 16	200	0.16	D	0.16							
1		PL	270* 16	630	0.34								HH	
1		PL	270* 9	450	0.24								HH	
6		BN	M 16* 60		0.02								HH	
1		PL	1230* 14	1630	4.01								MW1	
2		RB	19 φ	600	0.07	C	0.07						MW1	
YSJ4-YSJ5 3.0m							A	10.23	C	86.17	D	10.39		
2@ YSJ4-YSJ5 3.0m							A	20.46	C	172.34	D	20.78		
BLK-7(BLK-47)							A	833.58	C	1650.54	D	425.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-8(BLK-46) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	K-DECK	PL	550* 16	1717		1.89	A	0.94	D	0.94		Lighting拡幅
1	K-WEB	PL	384* 9	2144		1.65	A	1.65				
3	K-RIB	PL	369* 9	541		1.20	A	1.20				
2	K-RIB	PL	367* 9	384		0.56	A	0.56				
3	K-WEB	PL	388* 9	1471		3.42	A	3.42				
3	K-FLG	PL	100* 10	1146		0.69	A	0.69				
2	K-RIB	PL	359* 9	286		0.41	A	0.41				
1	K-BASE	PL	350* 22	350		0.25						
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	62.23	C	1.34	D	21.39
4@ LB1-YSJ1(YSJ8-RB1)							A	248.92	C	5.36	D	85.56

Bago Bridge Main Girder BLK-8(BLK-46) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				

Painting Calculation

(Unit : mm,m²)

YSJ1-YSJ2(YSJ7-YSJ8)				A	60.19	C	2.73	D	23.04		
4@ YSJ1-YSJ2(YSJ7-YSJ8)				A	240.76	C	10.92	D	92.16		

Bago Bridge Main Girder BLK-8(BLK-46) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						
15	HANG	BOLT	M 20* 65				K						
15	HANG	INUT		20									
1		PL	270* 16	630		0.34							HH

Painting Calculation

(Unit: mm,m²)

1		PL	270* 9	450		0.24													HH
6		BN	M 16* 60			0.02													HH
							YSJ2-YSJ3(YSJ6-YSJ7)	A	61.71	C	139.63	D	27.54						
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	A	246.84	C	558.52	D	110.16						

Bago Bridge Main Girder BLK-8(BLK-46) YSJ3-YSJ4(YSJ5-YSJ6)																			
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks						
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94									
1	RIB-I	PL	250* 24	8990		4.50	C	4.50											
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27											
6	UR-DIA	PL	254* 6	308		0.94	C	0.23											
2	DIA	PL	2206* 9	2650		23.38	C	23.38											
2	HSTF	PL	140* 11	1804		1.01	C	1.01											
2	HSTF	PL	140* 11	1611		0.90	C	0.90											
6	COLLAR	PL	100* 10	1400		1.68	C	1.68											
8	COLLAR	PL	90* 10	1040		1.50	C	1.50											
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25											
2	YR-UF	PL	240* 10	2258		2.17	C	2.17											
2	YR-LW	PL	527* 9	1905		4.02	C	4.02											
2	YR-LF	PL	230* 10	1905		1.75	C	1.75											
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25											
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51											
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19									
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51											
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14											
1	MIZUNUKI	PL	75* 22	75	70	0.01													
							YSJ3-YSJ4(YSJ5-YSJ6)	A	17.19	C	111.20	D	19.94						
							4@ YSJ3-YSJ4(YSJ5-YSJ6)	A	68.76	C	444.80	D	79.76						

Bago Bridge Main Girder BLK-8(BLK-46) YSJ4-YSJ5 6.0m																			
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks						
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46									
2	RIB-I	PL	250* 24	5990		5.99	C	5.99											
4	RIB-I	PL	200* 20	5990		9.58	C	9.58											
1	DOUBLE	PL	680* 16	1090		1.48													
1	PIPE	STK	355.6* 7.9	1043		1.17	A	0.59	C	0.59									
12	P-RIB	PL	88* 9	150		0.32	A	0.32											
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24											
2	DIA	PL	453* 9	2659		4.82	C	4.82											D1

Painting Calculation

(Unit : mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	720* 36	2472	3.56	C	3.56					C7
2	CAB-F	PL	150* 30	2472	1.48	C	1.48					C7
1	CAB-W	PL	1680* 22	2472	8.31	C	8.31					C7
1	CAB-R	PL	200* 22	1570	0.63	C	0.63					C7
1	CAB-W	PL	1220* 22	2472	6.03	C	6.03					C7
1	CAB-R	PL	200* 22	1910	0.76	C	0.76					C7
2	CAB-R	PL	340* 22	785	1.07	C	1.07					C7
4	CAB-R	PL	130* 22	755	0.79	C	0.79					C7
1	CAB-ANC	PL	550* 85	550	0.61							C7 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
6	HANG	NUT	M 20									
6	HANG	BOLT	M 20* 65									
6	HANG	INUT		20								
1		PL	2020* 16	2020	8.16							MD2
1		PL	1120* 9	1120	2.51							MD2
2		FB	100* 6	900	0.36	C	0.36					MD2

Painting Calculation

(Unit : mm,m²)

2		PL	220* 22	2472		2.18	C	2.18										MD2
							YSJ4-YSJ5 6.0m	A	21.61	C	228.28	D	20.46					
							2@ YSJ4-YSJ5 6.0m	A	43.22	C	456.56	D	40.92					

Bago Bridge Main Girder BLK-8(BLK-46) YSJ4-YSJ5 3.0m																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23								
2	RIB-I	PL	250* 24	2990		2.99	C	2.99										
4	RIB-I	PL	200* 20	2990		4.78	C	4.78										
2	YR-UW	PL	700* 9	453		1.27	C	1.27										CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43										CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95										CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42										CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58										CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19										CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61										CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14										CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91										
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74										
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76										
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00										
2	VSTF	PL	140* 11	1412		0.79	C	0.79										
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23								
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74										
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19										
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10										
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05										
3	MIZUNUKI	PL	75* 22	75	70	0.02												
4	HANG	NUT	M 20				K											
4	HANG	BOLT	M 20* 65				K											
4	HANG	INUT		20														
2		PL	200* 16	200		0.16	D	0.16										
1		PL	270* 16	630		0.34												HH
1		PL	270* 9	450		0.24												HH
6		BN	M 16* 60			0.02												HH
1		PL	1230* 14	1630		4.01												MW1
2		RB	19 φ	600		0.07	C	0.07										MW1
							YSJ4-YSJ5 3.0m	A	10.23	C	86.17	D	10.39					
							2@ YSJ4-YSJ5 3.0m	A	20.46	C	172.34	D	20.78					

Painting Calculation

(Unit : mm,m²)

BLK-8(BLK-46)	A	868.96	C	1648.50	D	429.34		
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Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-9(BLK-45) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-9(BLK-45) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-9(BLK-45) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit: mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit: mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.96	D	27.54	G	0.40	
		K	0.16	M	0.79					
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.84	D	110.16	G	1.60	
		K	0.64	M	3.16					

Bago Bridge Main Girder BLK-9(BLK-45) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)		A	17.19	C	111.20	D	19.94					
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A	68.76	C	444.80	D	79.76					

Bago Bridge Main Girder BLK-9(BLK-45) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	1010		1.37						
1	PIPE	STK	355.6* 7.9	949		1.06	A	0.53	C	0.53		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1

Painting Calculation

(Unit : mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	720* 36	2472	3.56	C	3.56					C8
2	CAB-F	PL	150* 30	2472	1.48	C	1.48					C8
1	CAB-W	PL	1560* 22	2472	7.71	C	7.71					C8
1	CAB-R	PL	200* 22	1430	0.57	C	0.57					C8
1	CAB-W	PL	1160* 22	2472	5.74	C	5.74					C8
1	CAB-R	PL	200* 22	1820	0.73	C	0.73					C8
2	CAB-R	PL	340* 22	785	1.07	C	1.07					C8
4	CAB-R	PL	130* 22	755	0.79	C	0.79					C8
1	CAB-ANC	PL	550* 85	550	0.61							C8 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
6	HANG	NUT	M 20									
6	HANG	BOLT	M 20* 65									
6	HANG	INUT		20								
1		PL	2020* 16	2020	8.16							MD2
1		PL	1120* 9	1120	2.51							MD2
2		FB	100* 6	900	0.36	C	0.36					MD2

Painting Calculation

(Unit : mm,m²)

2	PL	220* 22	2472	2.18	C	2.18							MD2
YSJ4-YSJ5 6.0m					A	21.55	C	227.24	D	20.46			
2@ YSJ4-YSJ5 6.0m					A	43.10	C	454.48	D	40.92			

Bago Bridge Main Girder BLK-9(BLK-45) YSJ4-YSJ5 3.0m													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23			
2	RIB-I	PL	250* 24	2990		2.99	C	2.99					
4	RIB-I	PL	200* 20	2990		4.78	C	4.78					
2	YR-UW	PL	700* 9	453		1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43					CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19					CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61					CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14					CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91					
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74					
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76					
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00					
2	VSTF	PL	140* 11	1412		0.79	C	0.79					
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23			
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74					
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02							
4	HANG	NUT	M 20				K						
4	HANG	BOLT	M 20* 65				K						
4	HANG	INUT	20										
2		PL	200* 16	200		0.16	D	0.16					
1		PL	270* 16	630		0.34							HH
1		PL	270* 9	450		0.24							HH
6		BN	M 16* 60			0.02							HH
1		PL	1230* 14	1630		4.01							MW1
2		RB	19 φ	600		0.07	C	0.07					MW1
YSJ4-YSJ5 3.0m					A	10.23	C	86.17	D	10.39			
2@ YSJ4-YSJ5 3.0m					A	20.46	C	172.34	D	20.78			

Painting Calculation

(Unit: mm,m²)

BLK-9(BLK-45)	A	833.36	C	1651.74	D	425.58	G	1.60	
	K	0.64	M	3.16					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-10(BLK-44) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-10(BLK-44) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-10(BLK-44) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-10(BLK-44) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit: mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-10(BLK-44) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	920		1.25						
1	PIPE	STK	355.6* 7.9	851		0.96	A	0.48	C	0.48		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1

Painting Calculation

(Unit : mm,m²)

4	COLLAR	PL	90* 10	1040		0.75	C	0.75											D1
2	YR-W	PL	453* 9	2659		4.82	C	4.82											CF2
2	YR-F	PL	150* 10	1206		0.72	C	0.72											CF2
4	YR-UF	PL	116* 10	453		0.42	C	0.42											CF2
4	YR-LF	PL	111* 16	453		0.40	C	0.40											CF2
1	YR-UW	PL	375* 9	2472		1.85	C	1.85											CF2
1	YR-UF	PL	150* 10	2472		0.74	C	0.74											CF2
1	YR-LW	PL	527* 9	2472		2.61	C	2.61											CF2
1	YR-LF	PL	230* 10	2472		1.14	C	1.14											CF2
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82											
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50											
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72											
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96											
2	VSTF	PL	140* 11	1412		0.79	C	0.79											
1	LFLG-I	PL	3410* 11	6000		40.92	A	20.46	C	20.46									
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50											
1	CAB-F	PL	720* 36	2472		3.56	C	3.56											C9
2	CAB-F	PL	150* 30	2472		1.48	C	1.48											C9
1	CAB-W	PL	1450* 22	2472		7.17	C	7.17											C9
1	CAB-R	PL	200* 22	1280		0.51	C	0.51											C9
1	CAB-W	PL	1120* 22	2472		5.54	C	5.54											C9
1	CAB-R	PL	200* 22	1610		0.64	C	0.64											C9
2	CAB-R	PL	340* 22	785		1.07	C	1.07											C9
4	CAB-R	PL	130* 22	755		0.79	C	0.79											C9
1	CAB-ANC	PL	550* 85	550		0.61													C9 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19											
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10											
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05											
3	MIZUNUKI	PL	75* 22	75	70	0.02													
6	HANG	NUT	M 20				K												
6	HANG	BOLT	M 20* 65				K												
6	HANG	INUT		20															
1		PL	2020* 16	2020		8.16													MD2
1		PL	1120* 9	1120		2.51													MD2
2		FB	100* 6	900		0.36	C	0.36											MD2
2		PL	220* 22	2472		2.18	C	2.18											MD2
2	RIB	PL	180* 18	1484		1.07	C	1.07											
1	DOUBLE	PL	1520* 11	2360		7.17													
1		PL	924* 9	1345		2.49	C	2.49											
2		FB	100* 6	1065		0.45	C	0.45											
3		PL	75* 22	75	70	0.02													
12		BN	M 16* 50			0.03													
2		RB	16 φ	600		0.06	A	0.06											

Painting Calculation

(Unit : mm,m²)

YSJ4-YSJ5 6.0m		A	21.56	C	230.31	D	20.46		
2@ YSJ4-YSJ5 6.0m		A	43.12	C	460.62	D	40.92		

Bago Bridge Main Girder BLK-10(BLK-44) YSJ4-YSJ5 3.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23		
2	RIB-I	PL	250* 24	2990		2.99	C	2.99				
4	RIB-I	PL	200* 20	2990		4.78	C	4.78				
2	YR-UW	PL	700* 9	453		1.27	C	1.27				CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43				CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95				CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42				CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58				CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19				CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61				CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14				CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91				
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74				
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76				
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00				
2	VSTF	PL	140* 11	1412		0.79	C	0.79				
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23		
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74				
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19				
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10				
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05				
3	MIZUNUKI	PL	75* 22	75	70	0.02						
4	HANG	NUT	M 20				K					
4	HANG	BOLT	M 20* 65				K					
4	HANG	INUT		20								
2		PL	200* 16	200		0.16	D	0.16				
1		PL	270* 16	630		0.34						HH
1		PL	270* 9	450		0.24						HH
6		BN	M 16* 60			0.02						HH
1		PL	1230* 14	1630		4.01						MW1
2		RB	19 φ	600		0.07	C	0.07				MW1
YSJ4-YSJ5 3.0m		A				10.23	C	86.17	D	10.39		
2@ YSJ4-YSJ5 3.0m		A				20.46	C	172.34	D	20.78		
BLK-10(BLK-44)		A				833.38	C	1652.56	D	425.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-11(BLK-43) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
2	DR-DUB	PL	820* 16	740		2.43							
4	DR-H	PL	280* 25	848		1.90	A	1.90					
2	DR-H	PL	250* 25	1500		1.50	A	1.50					
4	DR-H	FB	50* 6	684		0.29							
1	KR-DECK	PL	571* 16	1632		1.86	A	1.62	C	0.24		Channel Widening	
1	KR-TOP	PL	391* 9	591		0.46	A	0.23	C	0.23			
1	KR-RIB	PL	183* 9	591		0.22	C	0.22					
2	KR-RIB	PL	217* 9	591		0.51	A	0.26	C	0.26			
3	KR-RIB	PL	369* 9	591		1.31	A	1.31					
1	KR-RIB	PL	367* 9	384		0.28	A	0.28					
2	KR-WEB	PL	388* 9	1471		2.28	A	2.28					
2	KR-FLG	PL	100* 10	1146		0.46	A	0.46					
2	KR-RIB	PL	182* 9	827		0.60	A	0.60					
1	KR-BASE	PL	450* 9	450		0.41	A	0.32	C	0.08			
1	KR-BASE	PL	400* 10	400		0.32							
LB1-YSJ1(YSJ8-RB1)							A	62.22	C	2.33	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	248.88	C	9.32	D	81.80	

Bago Bridge Main Girder BLK-11(BLK-43) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				

Painting Calculation

(Unit : mm,m²)

4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-11(BLK-43) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						

Painting Calculation

(Unit: mm,m²)

15	HANG	BOLT	M 20* 65					K					
15	HANG	INUT	20										
1		PL	270* 16	630	0.34							HH	
1		PL	270* 9	450	0.24							HH	
6		BN	M 16* 60		0.02							HH	
YSJ2-YSJ3(YSJ6-YSJ7)								A	61.71	C	139.63	D	27.54
4@ YSJ2-YSJ3(YSJ6-YSJ7)								A	246.84	C	558.52	D	110.16

Bago Bridge Main Girder BLK-11(BLK-43) YSJ3-YSJ4(YSJ5-YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
YSJ3-YSJ4(YSJ5-YSJ6)								A	17.19	C	111.20	D	19.94
4@ YSJ3-YSJ4(YSJ5-YSJ6)								A	68.76	C	444.80	D	79.76

Bago Bridge Main Girder BLK-11(BLK-43) YSJ4-YSJ5 6.0m													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46			
2	RIB-I	PL	250* 24	5990		5.99	C	5.99					
4	RIB-I	PL	200* 20	5990		9.58	C	9.58					
1	DOUBLE	PL	680* 16	830		1.13							
1	PIPE	STK	355.6* 7.9	751		0.84	A	0.42	C	0.42			

Painting Calculation

(Unit : mm,m²)

12	P-RIB	PL	88* 9	150		0.32	A	0.32					
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24					
2	DIA	PL	453* 9	2659		4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75					D1
2	DIA	PL	453* 9	2659		4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659		4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206		0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453		0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453		0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472		1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472		0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472		2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472		1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96					
2	VSTF	PL	140* 11	1412		0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000		40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50					
1	CAB-F	PL	720* 36	2472		3.56	C	3.56					C10
2	CAB-F	PL	150* 30	2472		1.48	C	1.48					C10
1	CAB-W	PL	1330* 22	2472		6.58	C	6.58					C10
1	CAB-R	PL	200* 22	1140		0.46	C	0.46					C10
1	CAB-W	PL	1070* 22	2472		5.29	C	5.29					C10
1	CAB-R	PL	200* 22	1390		0.56	C	0.56					C10
2	CAB-R	PL	340* 22	785		1.07	C	1.07					C10
4	CAB-R	PL	130* 22	755		0.79	C	0.79					C10
1	CAB-ANC	PL	550* 85	550		0.61							C10 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02							
6	HANG	NUT	M 20				K						
6	HANG	BOLT	M 20* 65				K						
6	HANG	INUT		20									

Painting Calculation

(Unit : mm,m²)

1		PL	2020* 16	2020		8.16												MD2
1		PL	1120* 9	1120		2.51												MD2
2		FB	100* 6	900		0.36	C	0.36										MD2
2		PL	220* 22	2472		2.18	C	2.18										MD2
2	RIB	PL	180* 18	1484		1.07	C	1.07										
1	DOUBLE	PL	1520* 11	2150		6.54												
1		PL	924* 9	1240		2.29	C	2.29										
2		FB	100* 6	960		0.41	C	0.41										
3		PL	75* 22	75	70	0.02												
12		BN	M 16* 50			0.03												
2		RB	16 φ	600		0.06	A	0.06										
							A	21.50	C	229.04	D	20.46						
YSJ4-YSJ5 6.0m							A	43.00	C	458.08	D	40.92						
2@ YSJ4-YSJ5 6.0m							A		C		D							

Bago Bridge Main Girder BLK-11(BLK-43) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks							
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23								
2	RIB-I	PL	250* 24	2990		2.99	C	2.99										
4	RIB-I	PL	200* 20	2990		4.78	C	4.78										
2	YR-UW	PL	700* 9	453		1.27	C	1.27										CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43										CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95										CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42										CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58										CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19										CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61										CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14										CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91										
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74										
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76										
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00										
2	VSTF	PL	140* 11	1412		0.79	C	0.79										
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23								
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74										
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19										
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10										
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05										
3	MIZUNUKI	PL	75* 22	75	70	0.02												
4	HANG	NUT	M 20				K											
4	HANG	BOLT	M 20* 65				K											
4	HANG	INUT		20														

Painting Calculation

(Unit : mm,m²)

2		PL	200* 16	200	0.16	D	0.16						
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
YSJ4-YSJ5 3.0m													
						A	10.23	C	86.10	D	10.39		
2@ YSJ4-YSJ5 3.0m													
						A	20.46	C	172.20	D	20.78		
BLK-11(BLK-43)													
						A	868.70	C	1653.84	D	425.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-12(BLK-42) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80

Bago Bridge Main Girder BLK-12(BLK-42) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16

Bago Bridge Main Girder BLK-12(BLK-42) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
1	VSTF	PL	170* 14	864		0.29	C	0.29						
1	VSTF	PL	190* 15	879		0.33	C	0.33						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
9	HSTF	PL	160* 16	2171		6.25	C	6.25						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
3	HSTF	PL	160* 16	1646		1.58	C	1.58						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit: mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.99	D	27.54	G	0.40
		K	0.16	M	0.79				
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.96	D	110.16	G	1.60
		K	0.64	M	3.16				

Bago Bridge Main Girder BLK-12(BLK-42) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)		A	17.19	C	111.20	D	19.94					
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A	68.76	C	444.80	D	79.76					

Bago Bridge Main Girder BLK-12(BLK-42) YSJ4-YSJ5												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	9000		61.38	C	30.69	D	30.69		
2	RIB-I	PL	250* 24	8990		8.99	C	8.99				
4	RIB-I	PL	200* 20	8990		14.38	C	14.38				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1

Painting Calculation

(Unit: mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	527* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	WEB-I	PL	2659* 14	9000	95.72	C	95.72					
6	LONGIT-RIE	PL	160* 16	8990	17.26	C	17.26					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	4250	2.72	C	2.72					
2	LONGIT-RIE	PL	160* 16	1560	1.00	C	1.00					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	9000	61.38	A	30.69	C	30.69			
6	LF-RIB	PL	160* 16	8990	17.26	C	17.26					
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
6	HANG	NUT	M 20									
6	HANG	BOLT	M 20* 65									
6	HANG	INUT		20								
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	527* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	VSTF	PL	170* 14	1414	0.96	C	0.96					
4	HANG	NUT	M 20									
4	HANG	BOLT	M 20* 65									
4	HANG	INUT		20								
1		PL	270* 16	630	0.34							HH
1		PL	270* 9	450	0.24							HH
6		BN	M 16* 60			0.02						HH

Painting Calculation

(Unit : mm,m²)

YSJ4-YSJ5	A	30.69	C	287.40	D	30.69		
2@ YSJ4-YSJ5	A	61.38	C	574.80	D	61.38		
BLK-12(BLK-42)	A	831.18	C	1599.84	D	425.26	G	1.60
	K	0.64	M	3.16				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-13(BLK-41) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	6960		26.87	A	13.43	D	13.43		
1	RIB-O	PL	250* 24	6950		3.48	A	3.48				
1	URIB-O	U	320* 240* 8	6950		9.37	A	2.43	C	0.47		
2	URIB-O	U	320* 240* 8	3200		8.62	A	2.24	C	0.43		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	6950		5.34	A	5.34				
1	ST-F	PL	100* 10	6950		1.39	A	1.39				
1		PL	342* 6	6960		4.76	A	2.38	D	2.38		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	K-DECK	PL	550* 16	1717		1.89	A	0.94	D	0.94		Lighting
1	K-WEB	PL	384* 9	2144		1.65	A	1.65				
3	K-RIB	PL	369* 9	541		1.20	A	1.20				
2	K-RIB	PL	367* 9	384		0.56	A	0.56				
3	K-WEB	PL	388* 9	1471		3.42	A	3.42				
3	K-FLG	PL	100* 10	1146		0.69	A	0.69				
2	K-RIB	PL	359* 9	286		0.41	A	0.41				
1	K-BASE	PL	350* 22	350		0.25						
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	53.16	C	1.06	D	16.75
4@ LB1-YSJ1(YSJ8-RB1)							A	212.64	C	4.24	D	67.00

Bago Bridge Main Girder BLK-13(BLK-41) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	6960		35.64	A	17.82	D	17.82		
4	URIB-O	U	320* 240* 8	6950		37.46	A	9.74	C	1.87		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				

Painting Calculation

(Unit : mm,m²)

YSJ1-YSJ2(YSJ7-YSJ8)				A	52.11	C	2.18	D	17.82		
4@ YSJ1-YSJ2(YSJ7-YSJ8)				A	208.44	C	8.72	D	71.28		

Bago Bridge Main Girder BLK-13(BLK-41) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-IO	PL	3060* 16	6960		42.60	A	5.11	C	16.19	D	21.30	
1	RIB-I	PL	250* 24	6950		3.48	C	3.48					
1	URIB-O	U	320* 240* 8	6950		9.37	A	2.43	C	0.47			
3	URIB-I	U	320* 240* 8	6960		28.14	C	8.72					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	525* 9	1507		3.16	C	3.16					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 17	6960		6.74	A	3.37	C	3.37			
1	WEB-O	PL	2560* 17	6960		35.64	A	17.82	C	17.82			
2	VSTF	PL	190* 15	879		0.67	C	0.67					
5	HSTF	PL	200* 20	516		1.03	C	1.03					
3	HSTF	PL	200* 20	2171		2.61	C	2.61					
6	HSTF	PL	200* 20	1754		4.21	C	4.21					
1	HSTF	PL	200* 20	2061		0.82	C	0.82					
2	HSTF	PL	200* 20	1644		1.32	C	1.32					
1	HSTF	PL	200* 20	2066		0.83	C	0.83					
2	HSTF	PL	200* 20	1649		1.32	C	1.32					
3	HSTF	PL	200* 20	439		0.53	C	0.53					
1	HSTF	PL	200* 20	328		0.13	C	0.13					
1	HSTF	PL	200* 20	333		0.13	C	0.13					
1	LFLG-IO	PL	1255* 15	6960		17.47	A	9.61	C	7.86			
2	LF-RIB	PL	200* 20	6950		5.56	C	5.56					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						
15	HANG	BOLT	M 20* 65				K						
15	HANG	INUT		20									

Painting Calculation

(Unit : mm,m²)

1		PL	270* 16	630		0.34																	HH
1		PL	270* 9	450		0.24																	HH
6		BN	M 16* 60			0.02																	HH
												A	50.47	C	121.86	D	21.30						
												A	201.88	C	487.44	D	85.20						

Bago Bridge Main Girder BLK-13(BLK-41) YSJ3-YSJ4(YSJ5-YSJ6)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks										
1	DECK-I	PL	2215* 16	6960		30.83	C	15.42	D	15.42													
1	RIB-I	PL	250* 24	6950		3.48	C	3.48															
3	URIB-I	U	320* 240* 8	6950		28.10	C	8.71															
6	UR-DIA	PL	254* 6	308		0.94	C	0.23															
2	DIA	PL	2206* 9	2650		23.38	C	23.38															
2	HSTF	PL	140* 11	1804		1.01	C	1.01															
2	HSTF	PL	140* 11	1611		0.90	C	0.90															
6	COLLAR	PL	100* 10	1400		1.68	C	1.68															
8	COLLAR	PL	90* 10	1040		1.50	C	1.50															
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25															
2	YR-UF	PL	240* 10	2258		2.17	C	2.17															
2	YR-LW	PL	525* 9	1905		4.00	C	4.00															
2	YR-LF	PL	230* 10	1905		1.75	C	1.75															
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25															
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51															
1	LFLG-I	PL	1910* 15	6960		26.59	A	13.29	C	13.29													
4	LF-RIB	PL	200* 20	6950		11.12	C	11.12															
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14															
1	MIZUNUKI	PL	75* 22	75	70	0.01																	
												A	13.29	C	98.79	D	15.42						
												A	53.16	C	395.16	D	61.68						

Bago Bridge Main Girder BLK-13(BLK-41) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks										
1	DECK-I	PL	3410* 16	6960		47.47	C	23.73	D	23.73													
2	RIB-I	PL	250* 24	6950		6.95	C	6.95															
4	RIB-I	PL	200* 20	6950		11.12	C	11.12															
2	DIA	PL	453* 9	2659		4.82	C	4.82															D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27															D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35															D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66															D1

Painting Calculation

(Unit: mm,m²)

4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	525* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	525* 9	2472	2.60	C	2.60					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	525* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	525* 9	2472	2.60	C	2.60					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	WEB-I	PL	2659* 18	6960	74.03	C	74.03					
6	LONGIT-RIE	PL	200* 20	6950	16.68	C	16.68					
2	LONGIT-RIE	PL	200* 20	2680	2.14	C	2.14					
2	LONGIT-RIE	PL	200* 20	4260	3.41	C	3.41					
2	LONGIT-RIE	PL	200* 20	1560	1.25	C	1.25					
4	VSTF	PL	170* 14	1414	1.92	C	1.92					
1	LFLG-I	PL	3410* 15	6960	47.47	A	23.73	C	23.73			
6	LF-RIB	PL	200* 20	6950	16.68	C	16.68					
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
10	HANG	NUT	M 20									
10	HANG	BOLT	M 20* 65									
10	HANG	INUT	20									
1		PL	2200* 20	2200	9.68							MD3
1		PL	1380* 9	1380	3.81							MD3
2		FB	100* 6	1100	0.45	C	0.45					MD3
2		PL	220* 22	2472	2.18	C	2.18					MD3
4		CH	100* 50* 5* 7.5	1380	2.08	C	0.79	D	1.04			MD3
8	1-tw	BN	M 16* 40		0.02							MD3

Painting Calculation

(Unit : mm,m²)

2		RB	16 φ	600		0.06	D	0.06											MD3
1		PL	270* 16	630		0.34													HH
1		PL	270* 9	450		0.24													HH
6		BN	M 16* 60			0.02													HH
1		PL	1230* 17	1630		4.01													MW2
2		RB	19 φ	600		0.07	C	0.07											MW2
1	BASE	PL	450* 27	450		0.41													Lighting forTower
1	RIB	PL	180* 18	480		0.17	C	0.17											Lighting forTower
							A	23.73	C	250.50	D	24.83							
							A	47.46	C	501.00	D	49.66							
							A	723.58	C	1396.56	D	334.82							

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-14(BLK-40) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	5700		22.00	A	11.00	D	11.00		
1	RIB-O	PL	250* 24	5690		2.85	A	2.85				
1	URIB-O	U	320* 240* 8	5690		7.67	A	1.99	C	0.38		
2	URIB-O	U	320* 240* 8	2570		6.93	A	1.80	C	0.35		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	5690		4.37	A	4.37				
1	ST-F	PL	100* 10	5690		1.14	A	1.14				
1	ST	PL	342* 6	5690		3.89	A	1.95	D	1.95		
2	BR-W	PL	692* 9	1896		5.25	A	5.25				
2	BR-F	PL	240* 15	1803		1.73	A	1.73				
2	BR-STF	PL	100* 9	544		0.22	A	0.22				
1	DR-DUB	PL	820* 16	740		1.21						
2	DR-H	PL	280* 25	848		0.95	A	0.95				
1	DR-H	PL	250* 25	1500		0.75	A	0.75				
2	DR-H	FB	50* 6	684		0.14						
LB1-YSJ1(YSJ8-RB1)							A	34.00	C	0.89	D	12.95
4@ LB1-YSJ1(YSJ8-RB1)							A	136.00	C	3.56	D	51.80

Bago Bridge Main Girder BLK-14(BLK-40) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	3160* 16	5700		36.02	A	18.01	D	18.01		
5	URIB-O	U	320* 240* 8	5690		38.34	A	9.97	C	1.92		
10	UR-DIA	PL	254* 6	308		1.56	C	0.39				
2	BR-W	PL	1279* 9	3158	75	12.12	A	12.12				
2	BR-F	PL	240* 15	3198		3.07	A	3.07				
2	BR-STF	PL	100* 9	785		0.31	A	0.31				
2	BR-STF	PL	100* 9	1026		0.41	A	0.41				
YSJ1-YSJ2(YSJ7-YSJ8)							A	43.89	C	2.31	D	18.01
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	175.56	C	9.24	D	72.04

Bago Bridge Main Girder BLK-14(BLK-40) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	2460* 16	5700		28.04	A	3.37	C	10.66	D	14.02
3	URIB-I	U	320* 240* 8	5690		23.00			C	23.00		
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
1	RIB-I	PL	250* 24	5690		2.85	C	2.85				

Painting Calculation

(Unit : mm,m²)

2	BR-W	PL	1411* 9	785	40	1.77	A	1.77											
2	BR-F	PL	240* 15	813		0.78	A	0.78											
1	LWEB	PL	2606* 35	3100	70	11.31	C	11.31											
2		PL	103* 15	500		0.21	A	0.21											
1	RWEB	PL	2606* 35	3100	70	11.31	C	11.31											
2		PL	103* 15	500		0.21	A	0.21											
1	WEB-O	PL	484* 17	5700		5.52	C	5.52											
1	WEB-O	PL	2560* 17	5700		29.18	C	29.18											
7	HSTF	PL	200* 20	1310		3.67	C	3.67											
2	HSTF	PL	200* 20	1135		0.91	C	0.91											
4	HSTF	PL	200* 20	2860		4.58	C	4.58											
1	HSTF	PL	200* 20	2560		1.02	C	1.02											
1	HSTF	PL	200* 20	465		0.19	C	0.19											
1	DOUBLE	PL	700* 34	1000	45	0.63													
1	LFLG-O	PL	1725* 15	5700		19.67	A	9.83	C	9.83									
4	LF-RIB	PL	200* 20	1345		2.15	C	2.15											
2	LF-RIB	PL	200* 20	1350		1.08	C	1.08											
2	RIB	PL	220* 22	450		0.40	C	0.40											
1	WEB	PL	2200* 50	2930		12.89	C	12.89											
1	FLG	PL	300* 36	2930		1.76			C	1.76									
2	DOUBLE	PL	630* 50	930	45	1.05													
2	LF-STF	PL	320* 35	2200	95	2.68	C	2.68											
2	LF-STF	PL	2200* 35	778	30	2.05	C	2.05											
2	LF-STF	PL	2200* 35	604	40	2.13	C	2.13											
1	WEB	PL	500* 43	2930		2.93	C	2.93											
1	FLG	PL	260* 43	2930		1.52			C	1.52									
1	WEB	PL	400* 9	269		0.22	C	0.22											
1	FLG	PL	220* 10	169		0.07			C	0.07									
1	SOLE	PL	1200* 55	1300	90	2.81	M	1.40											
1		PL	480* 9	680		0.65													ME2
1		PL	700* 34	1000		1.40													ME2
3		RB	19 φ	600		0.11	A	0.07	C	0.04									ME2
2		PL	229* 9	400		0.37	C	0.37											ME2
2		PL	80* 9	110		0.04	C	0.04											ME2
1		RB	13 φ	270		0.01	A	0.01											ME2
4		BN	M 12* 55			0.01													ME2 plating
2		WPIN	5 φ * 32																ME2
1		PL	630* 50	930		1.17													MP6
6		RB	19 φ	600		0.21	C	0.21											MP6
							A	16.25	C	144.80	D	14.02	M	1.40					
							A	65.00	C	579.20	D	56.08	M	5.60					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-14(BLK-40) YSJ3-YSJ4(YSJ5-YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-I	PL	2215* 16	5700		25.25	C	12.63	D	12.63			
3	URIB-I	U	320* 240* 8	5690		23.00			C	23.00			
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
1	RIB-I	PL	250* 24	5690		2.85	C	2.85					
1	LWEB	PL	2650* 35	2215	75	8.80	C	8.80					
2	DOUBLE	PL	630* 35	930	45	1.05							
1	RING	PL	100* 10	1615		0.32	C	0.32					
1	RWEB	PL	2650* 35	2215	75	8.80	C	8.80					
2	DOUBLE	PL	630* 35	930	45	1.05							
1	RING	PL	100* 10	1615		0.32	C	0.32					
1	LFLG-O	PL	1440* 15	5700		16.42	A	8.21	C	8.21			
3	LF-RIB	PL	200* 20	5690		6.83	C	6.83					
2	WEB	PL	400* 9	1451		2.32	C	2.32					
2	FLG	PL	320* 10	1440		1.84			C	1.84			
2		PL	630* 35	930		2.34						MP5	
12		RB	19 φ	600		0.43	C	0.43				MP5	
YSJ3-YSJ4(YSJ5-YSJ6)							A	8.21	C	76.58	D	12.63	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	32.84	C	306.32	D	50.52	

Bago Bridge Main Girder BLK-14(BLK-40) YSJ4-YSJ5(UPPER)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IT	PL	3410* 16	5700		38.87	A	4.66	C	34.21		
2	RIB-I	PL	250* 24	5690		5.69	C	5.69				
2	RIB-I	PL	200* 20	5690		4.55	C	4.55				
4	RIB-I	PL	200* 20	2358		3.77	C	3.77				
4	RIB-I	PL	250* 25	658		1.32	C	1.32				
2	RIB-I	PL	250* 25	975		0.98	C	0.98				
2	RIB-I	PL	250* 25	1860		1.86	C	1.86				
2	TO-WEB	PL	3000* 35	629		7.55	A	3.77	C	3.77		
2	TO-FLG	PL	2470* 35	625		6.18	A	3.09	C	3.09		
10	RIB-T	PL	250* 25	625		3.13	C	3.13				
4	RIB-T	PL	260* 25	604		1.26	C	1.26				
2	WEB-I	PL	1309* 35	5700		29.85	C	29.85				
4	RIB-I	PL	200* 20	1305		2.09	C	2.09				
4	RIB-I	PL	200* 20	1240		1.98	C	1.98				
4	RIB-I	PL	250* 25	1304		2.61	C	2.61				
2	WEB	PL	1334* 35	2430		12.97	C	12.97				
4	WEB	PL	455* 35	1309		4.76	C	4.76				

Painting Calculation

(Unit : mm,m²)

8	D-DIA	PL	1325* 45	943	60	11.99	C	3.00						
4	D-DIA	PL	450* 45	955		3.44	C	0.86						
8	D-FLG	PL	300* 22	1246		5.98			C	5.98				
4	D-FLG	PL	300* 22	955		2.29			C	2.29				
4	D-DIA	PL	1315* 45	2430	65	16.62	C	4.15						
4	D-FLG	PL	300* 22	2655		6.37			C	6.37				
YSJ4-YSJ5(UPPER)							A	11.52	C	140.54				
2@ YSJ4-YSJ5(UPPER)							A	23.04	C	281.08				

Bago Bridge Main Girder BLK-14(BLK-40) YSJ4-YSJ5(LOWER)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	WEB-I	PL	1350* 35	5700		30.78	C	30.78						
4	RIB-LI	PL	200* 20	1305		2.09	C	2.09						
4	RIB-LI	PL	200* 20	1240		1.98	C	1.98						
4	RIB-LI	PL	250* 20	1345		2.69	C	2.69						
4	DOUBLE	PL	630* 35	930	45	2.11								
2	WEB	PL	1350* 35	2430		13.12	C	13.12						
4	WEB	PL	455* 35	1350		4.91	C	4.91						
8	D-DIA	PL	1350* 45	943		20.37	C	20.37						
4	D-DIA	PL	1350* 45	955		10.31	C	10.31						
4	D-DIA	PL	1350* 45	2430		26.24	C	26.24						
1	LFLG-O	PL	3410* 15	5700		38.87	A	19.44	C	19.44				
6	LF-RIB	PL	200* 20	5690		13.66	C	13.66						
2	WEB	PL	400* 9	455		0.73	C	0.73						
2	FLG	PL	220* 10	455		0.40			C	0.40				
1	SOLE	PL	2000* 101	2000	85	6.80	M	3.40						
4		PL	630* 53	830		4.18								MP4
8		RB	19 φ	600		0.29	C	0.29						MP4
YSJ4-YSJ5(LOWER)							A	19.44	C	147.01	M	3.40		
2@ YSJ4-YSJ5(LOWER)							A	38.88	C	294.02	M	6.80		
BLK-14(BLK-40)							A	471.32	C	1473.42	D	230.44	M	12.40

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-15(BLK-39) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	1930* 16	6960		26.87	A	13.43	D	13.43			
1	RIB-O	PL	250* 24	6950		3.48	A	3.48					
1	URIB-O	U	320* 240* 8	6950		9.37	A	2.43	C	0.47			
2	URIB-O	U	320* 240* 8	3200		8.62	A	2.24	C	0.43			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	6950		5.34	A	5.34					
1	ST-F	PL	100* 10	6950		1.39	A	1.39					
1		PL	342* 6	6960		4.76	A	2.38	D	2.38			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
1	BASE	PL	220* 22	220		0.10							Lighting for Pier
LB1-YSJ1(YSJ8-RB1)							A	44.29	C	1.06	D	15.81	
4@ LB1-YSJ1(YSJ8-RB1)							A	177.16	C	4.24	D	63.24	

Bago Bridge Main Girder BLK-15(BLK-39) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	2560* 16	6960		35.64	A	17.82	D	17.82			
4	URIB-O	U	320* 240* 8	6950		37.46	A	9.74	C	1.87			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	52.11	C	2.18	D	17.82	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	208.44	C	8.72	D	71.28	

Bago Bridge Main Girder BLK-15(BLK-39) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	6960		42.60	A	5.11	C	16.19	D	21.30	

Painting Calculation

(Unit: mm,m²)

1	RIB-I	PL	250* 24	6950		3.48	C	3.48													
1	URIB-O	U	320* 240* 8	6950		9.37	A	2.43	C	0.47											
3	URIB-I	U	320* 240* 8	6960		28.14	C	8.72													
8	UR-DIA	PL	254* 6	308		1.25	C	0.31													
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40													
4	BR-F	PL	240* 15	1421		2.73	A	2.73													
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90													
2	HSTF	PL	140* 11	2169		1.21	C	1.21													
2	HSTF	PL	140* 11	1204		0.67	C	0.67													
4	HIKAE	PL	116* 15	500		0.46	C	0.46													
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56													
2	YR-UF	PL	240* 10	1712		1.64	C	1.64													
2	YR-LW	PL	527* 9	1507		3.18	C	3.18													
2	YR-LF	PL	230* 10	1524		1.40	C	1.40													
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38													
1	WEB-O	PL	484* 17	6960		6.74	A	3.37	C	3.37											
1	WEB-O	PL	2560* 17	6960		35.64	A	17.82	C	17.82											
2	VSTF	PL	190* 15	879		0.67	C	0.67													
5	HSTF	PL	200* 20	516		1.03	C	1.03													
3	HSTF	PL	200* 20	2171		2.61	C	2.61													
6	HSTF	PL	200* 20	1754		4.21	C	4.21													
1	HSTF	PL	200* 20	2061		0.82	C	0.82													
2	HSTF	PL	200* 20	1644		1.32	C	1.32													
1	HSTF	PL	200* 20	2066		0.83	C	0.83													
2	HSTF	PL	200* 20	1649		1.32	C	1.32													
3	HSTF	PL	200* 20	439		0.53	C	0.53													
1	HSTF	PL	200* 20	328		0.13	C	0.13													
1	HSTF	PL	200* 20	333		0.13	C	0.13													
1	LFLG-IO	PL	1255* 15	6960		17.47	A	9.61	C	7.86											
2	LF-RIB	PL	200* 20	6950		5.56	C	5.56													
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05													
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05													
1	MIZUNUKI	PL	75* 22	75	70	0.01															
15	HANG	NUT	M 20				K														
15	HANG	BOLT	M 20* 65				K														
15	HANG	INUT	20																		
1		PL	270* 16	630		0.34													HH		
1		PL	270* 9	450		0.24													HH		
6		BN	M 16* 60			0.02													HH		
							YSJ2-YSJ3(YSJ6-YSJ7)	A	50.47	C	121.88	D	21.30								
							4@ YSJ2-YSJ3(YSJ6-YSJ7)	A	201.88	C	487.52	D	85.20								

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-15(BLK-39) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	2215* 16	6960		30.83	C	15.42	D	15.42		
1	RIB-I	PL	250* 24	6950		3.48	C	3.48				
3	URIB-I	U	320* 240* 8	6950		28.10	C	8.71				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 15	6960		26.59	A	13.29	C	13.29		
4	LF-RIB	PL	200* 20	6950		11.12	C	11.12				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)							A	13.29	C	98.81	D	15.42
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	53.16	C	395.24	D	61.68

Bago Bridge Main Girder BLK-15(BLK-39) YSJ4-YSJ5												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	3410* 16	6960		47.47	C	23.73	D	23.73		
2	RIB-I	PL	250* 24	6950		6.95	C	6.95				
4	RIB-I	PL	200* 20	6950		11.12	C	11.12				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	YR-UW	PL	700* 9	453		1.27	C	1.27				CF1

Painting Calculation

(Unit: mm,m²)

2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	525* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	525* 9	2472	2.60	C	2.60					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	525* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	525* 9	2472	2.60	C	2.60					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	WEB-I	PL	2659* 18	6960	74.03	C	74.03					
6	LONGIT-RIE	PL	200* 20	6950	16.68	C	16.68					
2	LONGIT-RIE	PL	200* 20	2680	2.14	C	2.14					
2	LONGIT-RIE	PL	200* 20	4260	3.41	C	3.41					
2	LONGIT-RIE	PL	200* 20	1560	1.25	C	1.25					
4	VSTF	PL	170* 14	1414	1.92	C	1.92					
1	LFLG-I	PL	3410* 15	6960	47.47	A	23.73	C	23.73			
6	LF-RIB	PL	200* 20	6950	16.68	C	16.68					
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
10	HANG	NUT	M 20									
10	HANG	BOLT	M 20* 65									
10	HANG	INUT	20									
1		PL	2200* 20	2200	9.68							MD3
1		PL	1380* 9	1380	3.81							MD3
2		FB	100* 6	1100	0.45	C	0.45					MD3
2		PL	220* 22	2472	2.18	C	2.18					MD3
4		CH	100* 50* 5* 7.5	1380	2.08	C	0.79	D	1.04			MD3
8	1-tw	BN	M 16* 40		0.02							MD3
2		RB	16 φ	600	0.06	D	0.06					MD3
1		PL	270* 16	630	0.34							HH
1		PL	270* 9	450	0.24							HH
6		BN	M 16* 60		0.02							HH
1		PL	1230* 17	1630	4.01							MW2
2		RB	19 φ	600	0.07	C	0.07					MW2
1	BASE	PL	450* 27	450	0.41							Lighting for Tower

Painting Calculation

(Unit : mm,m²)

1	RIB	PL	180* 18	480	0.17	C	0.17					Lighting for Tower
			YSJ4-YSJ5		A	23.73	C	250.50	D	24.83		
			2@ YSJ4-YSJ5		A	47.46	C	501.00	D	49.66		
			BLK-15(BLK-39)		A	688.10	C	1396.72	D	331.06		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-16(BLK-38) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-16(BLK-38) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-16(BLK-38) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
1	VSTF	PL	170* 14	864		0.29	C	0.29						
1	VSTF	PL	190* 15	879		0.33	C	0.33						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
9	HSTF	PL	160* 16	2171		6.25	C	6.25						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
3	HSTF	PL	160* 16	1646		1.58	C	1.58						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit: mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.99	D	27.54	G	0.40
		K	0.16	M	0.79				
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.96	D	110.16	G	1.60
		K	0.64	M	3.16				

Bago Bridge Main Girder BLK-16(BLK-38) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)		A	17.19	C	111.20	D	19.94					
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A	68.76	C	444.80	D	79.76					

Bago Bridge Main Girder BLK-16(BLK-38) YSJ4-YSJ5												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	9000		61.38	C	30.69	D	30.69		
2	RIB-I	PL	250* 24	8990		8.99	C	8.99				
4	RIB-I	PL	200* 20	8990		14.38	C	14.38				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1

Painting Calculation

(Unit : mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	527* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	WEB-I	PL	2659* 14	9000	95.72	C	95.72					
6	LONGIT-RIE	PL	160* 16	8990	17.26	C	17.26					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	4250	2.72	C	2.72					
2	LONGIT-RIE	PL	160* 16	1560	1.00	C	1.00					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	9000	61.38	A	30.69	C	30.69			
6	LF-RIB	PL	160* 16	8990	17.26	C	17.26					
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
6	HANG	NUT	M 20									
6	HANG	BOLT	M 20* 65									
6	HANG	INUT		20								
2	YR-UW	PL	700* 9	453	1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43					CF1
2	YR-LW	PL	527* 9	453	0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19					CF1
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF1
2	VSTF	PL	170* 14	1414	0.96	C	0.96					
4	HANG	NUT	M 20									
4	HANG	BOLT	M 20* 65									
4	HANG	INUT		20								
2		PL	200* 16	200	0.16	D	0.16					
1		PL	270* 16	630	0.34							HH
1		PL	270* 9	450	0.24							HH
6		BN	M 16* 60			0.02						HH

Painting Calculation

(Unit : mm,m²)

YSJ4-YSJ5	A	30.69	C	287.40	D	30.85			
2@ YSJ4-YSJ5	A	61.38	C	574.80	D	61.70			
BLK-16(BLK-38)	A	831.18	C	1599.84	D	425.58	G	1.60	
	K	0.64	M	3.16					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-17(BLK-37) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-17(BLK-37) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-17(BLK-37) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-17(BLK-37) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit : mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
YSJ3-YSJ4(YSJ5-YSJ6)							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-17(BLK-37) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	830		1.13						
1	PIPE	STK	355.6* 7.9	751		0.84	A	0.42	C	0.42		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1

Painting Calculation

(Unit : mm,m²)

4	COLLAR	PL	90* 10	1040		0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659		4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206		0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453		0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453		0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472		1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472		0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472		2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472		1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96					
2	VSTF	PL	140* 11	1412		0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000		40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50					
1	CAB-F	PL	720* 36	2472		3.56	C	3.56					C11
2	CAB-F	PL	150* 30	2472		1.48	C	1.48					C11
1	CAB-W	PL	1320* 22	2472		6.53	C	6.53					C11
1	CAB-R	PL	200* 22	1140		0.46	C	0.46					C11
1	CAB-W	PL	1070* 22	2472		5.29	C	5.29					C11
1	CAB-R	PL	200* 22	1390		0.56	C	0.56					C11
2	CAB-R	PL	340* 22	785		1.07	C	1.07					C11
4	CAB-R	PL	130* 22	755		0.79	C	0.79					C11
1	CAB-ANC	PL	550* 85	550		0.61							C11 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02							
6	HANG	NUT	M 20				K						
6	HANG	BOLT	M 20* 65				K						
6	HANG	INUT		20									
1		PL	2020* 16	2020		8.16							MD2
1		PL	1120* 9	1120		2.51							MD2
2		FB	100* 6	900		0.36	C	0.36					MD2
2		PL	220* 22	2472		2.18	C	2.18					MD2
2	RIB	PL	180* 18	1484		1.07	C	1.07					
1	DOUBLE	PL	1520* 11	2110		6.41							
1		PL	924* 9	1220		2.25	C	2.25					
2		FB	100* 6	940		0.41	C	0.41					
3		PL	75* 22	75	70	0.02							
12		BN	M 16* 50			0.03							
2		RB	16 φ	600		0.06	A	0.06					

Painting Calculation

(Unit : mm,m²)

YSJ4-YSJ5 6.0m		A	21.50	C	228.95	D	20.46		
2@ YSJ4-YSJ5 6.0m		A	43.00	C	457.90	D	40.92		

Bago Bridge Main Girder BLK-17(BLK-37) YSJ4-YSJ5 3.0m											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks	
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23	
2	RIB-I	PL	250* 24	2990		2.99	C	2.99			
4	RIB-I	PL	200* 20	2990		4.78	C	4.78			
2	YR-UW	PL	700* 9	453		1.27	C	1.27			CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43			CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95			CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42			CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58			CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19			CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61			CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14			CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91			
6	LONGIT-RIB	PL	160* 16	2990		5.74	C	5.74			
2	LONGIT-RIB	PL	160* 16	1180		0.76	C	0.76			
2	LONGIT-RIB	PL	160* 16	1560		1.00	C	1.00			
2	VSTF	PL	140* 11	1412		0.79	C	0.79			
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23	
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74			
4	HANG	NUT	M 20				K				
4	HANG	BOLT	M 20* 65				K				
4	HANG	INUT	20								
2		PL	200* 16	200		0.16	D	0.16			
1		PL	270* 16	630		0.34					HH
1		PL	270* 9	450		0.24					HH
6		BN	M 16* 60			0.02					HH
YSJ4-YSJ5 3.0m		A				10.23	C	85.76	D	10.39	
2@ YSJ4-YSJ5 3.0m		A				20.46	C	171.52	D	20.78	
BLK-17(BLK-37)		A				833.26	C	1649.02	D	425.58	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-18(BLK-36) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	K-DECK	PL	550* 16	1717		1.89	A	0.94	D	0.94		Lighting
1	K-WEB	PL	384* 9	2144		1.65	A	1.65				
3	K-RIB	PL	369* 9	541		1.20	A	1.20				
2	K-RIB	PL	367* 9	384		0.56	A	0.56				
3	K-WEB	PL	388* 9	1471		3.42	A	3.42				
3	K-FLG	PL	100* 10	1146		0.69	A	0.69				
2	K-RIB	PL	359* 9	286		0.41	A	0.41				
1	K-BASE	PL	350* 22	350		0.25						
2	DR-DUB	PL	820* 16	740		2.43						
4	DR-H	PL	280* 25	848		1.90	A	1.90				
2	DR-H	PL	250* 25	1500		1.50	A	1.50				
4	DR-H	FB	50* 6	684		0.29						
LB1-YSJ1(YSJ8-RB1)							A	63.73	C	1.30	D	21.39
4@ LB1-YSJ1(YSJ8-RB1)							A	254.92	C	5.20	D	85.56

Bago Bridge Main Girder BLK-18(BLK-36) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				

Painting Calculation

(Unit : mm,m²)

YSJ1-YSJ2(YSJ7-YSJ8)					A	60.19	C	2.73	D	23.04		
4@ YSJ1-YSJ2(YSJ7-YSJ8)					A	240.76	C	10.92	D	92.16		

Bago Bridge Main Girder BLK-18(BLK-36) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						
15	HANG	BOLT	M 20* 65				K						
15	HANG	INUT	20										
1		PL	270* 16	630		0.34							HH

Painting Calculation

(Unit: mm,m²)

1		PL	270* 9	450	0.24							HH
6		BN	M 16* 60		0.02							HH
YSJ2-YSJ3(YSJ6-YSJ7)						A	61.71	C	139.63	D	27.54	
4@ YSJ2-YSJ3(YSJ6-YSJ7)						A	246.84	C	558.52	D	110.16	

Bago Bridge Main Girder BLK-18(BLK-36) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)						A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)						A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-18(BLK-36) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	920		1.25						
1	PIPE	STK	355.6* 7.9	851		0.96	A	0.48	C	0.48		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1

Painting Calculation

(Unit : mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	720* 36	2472	3.56	C	3.56					C12
2	CAB-F	PL	150* 30	2472	1.48	C	1.48					C12
1	CAB-W	PL	1460* 22	2472	7.22	C	7.22					C12
1	CAB-R	PL	200* 22	1280	0.51	C	0.51					C12
1	CAB-W	PL	1140* 22	2472	5.64	C	5.64					C12
1	CAB-R	PL	200* 22	1600	0.64	C	0.64					C12
2	CAB-R	PL	340* 22	785	1.07	C	1.07					C12
4	CAB-R	PL	130* 22	755	0.79	C	0.79					C12
1	CAB-ANC	PL	550* 85	550	0.61							C12 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
6	HANG	NUT	M 20									
6	HANG	BOLT	M 20* 65									
6	HANG	INUT		20								
1		PL	2020* 16	2020	8.16							MD2
1		PL	1120* 9	1120	2.51							MD2
2		FB	100* 6	900	0.36	C	0.36					MD2

Painting Calculation

(Unit : mm,m²)

2		PL	220* 22	2472		2.18	C	2.18					MD2
2	RIB	PL	180* 18	1484		1.07	C	1.07					
1	DOUBLE	PL	1520* 11	2030		6.17							
1		PL	924* 9	1340		2.48	C	2.48					
2		FB	100* 6	1060		0.45	C	0.45					
3		PL	75* 22	75	70	0.02							
12		BN	M 16* 50			0.03							
2		RB	16 φ	600		0.06	A	0.06					
YSJ4-YSJ5 6.0m							A	21.56	C	230.45	D	20.46	
2@ YSJ4-YSJ5 6.0m							A	43.12	C	460.90	D	40.92	

Bago Bridge Main Girder BLK-18(BLK-36) YSJ4-YSJ5 3.0m													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23			
2	RIB-I	PL	250* 24	2990		2.99	C	2.99					
4	RIB-I	PL	200* 20	2990		4.78	C	4.78					
2	YR-UW	PL	700* 9	453		1.27	C	1.27					CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43					CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95					CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42					CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58					CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19					CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61					CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14					CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91					
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74					
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76					
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00					
2	VSTF	PL	140* 11	1412		0.79	C	0.79					
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23			
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74					
4	HANG	NUT	M 20				K						
4	HANG	BOLT	M 20* 65				K						
4	HANG	INUT		20									
2		PL	200* 16	200		0.16	D	0.16					
1		PL	270* 16	630		0.34							HH
1		PL	270* 9	450		0.24							HH
6		BN	M 16* 60			0.02							HH
1		PL	1230* 14	1630		4.01							MW1
2		RB	19 φ	600		0.07	C	0.07					MW1

Painting Calculation

(Unit : mm,m²)

YSJ4-YSJ5 3.0m	A	10.23	C	85.83	D	10.39		
2@ YSJ4-YSJ5 3.0m	A	20.46	C	171.66	D	20.78		
BLK-18(BLK-36)	A	874.86	C	1652.00	D	429.34		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-19(BLK-35) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
LB1-YSJ1(YSJ8-RB1)							A	53.36	C	1.34	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	213.44	C	5.36	D	81.80	

Bago Bridge Main Girder BLK-19(BLK-35) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-19(BLK-35) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit: mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit : mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.96	D	27.54	G	0.40	
		K	0.16	M	0.79					
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.84	D	110.16	G	1.60	
		K	0.64	M	3.16					

Bago Bridge Main Girder BLK-19(BLK-35) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)		A	17.19	C	111.20	D	19.94					
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A	68.76	C	444.80	D	79.76					

Bago Bridge Main Girder BLK-19(BLK-35) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	1010		1.37						
1	PIPE	STK	355.6* 7.9	950		1.06	A	0.53	C	0.53		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1

Painting Calculation

(Unit : mm,m²)

1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	720* 36	2472	3.56	C	3.56					C13
2	CAB-F	PL	150* 30	2472	1.48	C	1.48					C13
1	CAB-W	PL	1560* 22	2472	7.71	C	7.71					C13
1	CAB-R	PL	200* 22	1420	0.57	C	0.57					C13
1	CAB-W	PL	1170* 22	2472	5.78	C	5.78					C13
1	CAB-R	PL	200* 22	1820	0.73	C	0.73					C13
2	CAB-R	PL	340* 22	785	1.07	C	1.07					C13
4	CAB-R	PL	130* 22	755	0.79	C	0.79					C13
1	CAB-ANC	PL	550* 85	550	0.61							C13 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						
6	HANG	NUT	M 20									
6	HANG	BOLT	M 20* 65									
6	HANG	INUT		20								
1		PL	2020* 16	2020	8.16							MD2
1		PL	1120* 9	1120	2.51							MD2
2		FB	100* 6	900	0.36	C	0.36					MD2

Painting Calculation

(Unit : mm, m²)

2		PL	220* 22	2472		2.18	C	2.18								MD2
						YSJ4-YSJ5 6.0m		A	21.55	C	227.28	D	20.46			
						2@ YSJ4-YSJ5 6.0m		A	43.10	C	454.56	D	40.92			

Bago Bridge Main Girder BLK-19(BLK-35) YSJ4-YSJ5 3.0m																
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks			
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23						
2	RIB-I	PL	250* 24	2990		2.99	C	2.99								
4	RIB-I	PL	200* 20	2990		4.78	C	4.78								
2	YR-UW	PL	700* 9	453		1.27	C	1.27								CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43								CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95								CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42								CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58								CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19								CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61								CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14								CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91								
6	LONGIT-RIB	PL	160* 16	2990		5.74	C	5.74								
2	LONGIT-RIB	PL	160* 16	1180		0.76	C	0.76								
2	LONGIT-RIB	PL	160* 16	1560		1.00	C	1.00								
2	VSTF	PL	140* 11	1412		0.79	C	0.79								
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23						
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74								
4	HANG	NUT	M 20				K									
4	HANG	BOLT	M 20* 65				K									
4	HANG	INUT	20													
2		PL	200* 16	200		0.16	D	0.16								
1		PL	270* 16	630		0.34										HH
1		PL	270* 9	450		0.24										HH
6		BN	M 16* 60			0.02										HH
1		PL	1230* 14	1630		4.01										MW1
2		RB	19 ϕ	600		0.07	C	0.07								MW1
						YSJ4-YSJ5 3.0m		A	10.23	C	85.83	D	10.39			
						2@ YSJ4-YSJ5 3.0m		A	20.46	C	171.66	D	20.78			
						BLK-19(BLK-35)		A	833.36	C	1651.14	D	425.58	G	1.60	
								K	0.64	M	3.16					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-20(BLK-34) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
2	DR-DUB	PL	820* 16	740		2.43							
4	DR-H	PL	280* 25	848		1.90	A	1.90					
2	DR-H	PL	250* 25	1500		1.50	A	1.50					
4	DR-H	FB	50* 6	684		0.29							
LB1-YSJ1(YSJ8-RB1)							A	54.86	C	1.30	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	219.44	C	5.20	D	81.80	

Bago Bridge Main Girder BLK-20(BLK-34) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-20(BLK-34) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT	20											
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-20(BLK-34) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit : mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
YSJ3-YSJ4(YSJ5-YSJ6)							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-20(BLK-34) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	680* 16	1090		1.48						
1	PIPE	STK	355.6* 7.9	1044		1.17	A	0.59	C	0.59		
12	P-RIB	PL	88* 9	150		0.32	A	0.32				
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1

Painting Calculation

(Unit : mm,m²)

4	COLLAR	PL	90* 10	1040		0.75	C	0.75											D1
2	YR-W	PL	453* 9	2659		4.82	C	4.82											CF2
2	YR-F	PL	150* 10	1206		0.72	C	0.72											CF2
4	YR-UF	PL	116* 10	453		0.42	C	0.42											CF2
4	YR-LF	PL	111* 16	453		0.40	C	0.40											CF2
1	YR-UW	PL	375* 9	2472		1.85	C	1.85											CF2
1	YR-UF	PL	150* 10	2472		0.74	C	0.74											CF2
1	YR-LW	PL	527* 9	2472		2.61	C	2.61											CF2
1	YR-LF	PL	230* 10	2472		1.14	C	1.14											CF2
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82											
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50											
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72											
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96											
2	VSTF	PL	140* 11	1412		0.79	C	0.79											
1	LFLG-I	PL	3410* 11	6000		40.92	A	20.46	C	20.46									
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50											
1	CAB-F	PL	720* 36	2472		3.56	C	3.56											C14
2	CAB-F	PL	150* 30	2472		1.48	C	1.48											C14
1	CAB-W	PL	1670* 22	2472		8.26	C	8.26											C14
1	CAB-R	PL	200* 22	1570		0.63	C	0.63											C14
1	CAB-W	PL	1220* 22	2472		6.03	C	6.03											C14
1	CAB-R	PL	200* 22	1910		0.76	C	0.76											C14
2	CAB-R	PL	340* 22	785		1.07	C	1.07											C14
4	CAB-R	PL	130* 22	755		0.79	C	0.79											C14
1	CAB-ANC	PL	550* 85	550		0.61													C14 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19											
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10											
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05											
3	MIZUNUKI	PL	75* 22	75	70	0.02													
6	HANG	NUT	M 20				K												
6	HANG	BOLT	M 20* 65				K												
6	HANG	INUT		20															
1		PL	2020* 16	2020		8.16													MD2
1		PL	1120* 9	1120		2.51													MD2
2		FB	100* 6	900		0.36	C	0.36											MD2
2		PL	220* 22	2472		2.18	C	2.18											MD2
YSJ4-YSJ5 6.0m							A	21.61	C	228.23	D	20.46							
2@ YSJ4-YSJ5 6.0m							A	43.22	C	456.46	D	40.92							

Bago Bridge Main Girder BLK-20(BLK-34) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
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Painting Calculation

(Unit : mm,m²)

1	DECK-I	PL	3410* 16	3000	20.46	C	10.23	D	10.23				
2	RIB-I	PL	250* 24	2990	2.99	C	2.99						
4	RIB-I	PL	200* 20	2990	4.78	C	4.78						
2	YR-UW	PL	700* 9	453	1.27	C	1.27						CF1
2	YR-UF	PL	240* 10	453	0.43	C	0.43						CF1
2	YR-LW	PL	527* 9	453	0.95	C	0.95						CF1
2	YR-LF	PL	230* 16	453	0.42	C	0.42						CF1
1	YR-UW	PL	725* 9	2472	3.58	C	3.58						CF1
1	YR-UF	PL	240* 10	2472	1.19	C	1.19						CF1
1	YR-LW	PL	527* 9	2472	2.61	C	2.61						CF1
1	YR-LF	PL	230* 10	2472	1.14	C	1.14						CF1
2	WEB-I	PL	2659* 14	3000	31.91	C	31.91						
6	LONGIT-RIB	PL	160* 16	2990	5.74	C	5.74						
2	LONGIT-RIB	PL	160* 16	1180	0.76	C	0.76						
2	LONGIT-RIB	PL	160* 16	1560	1.00	C	1.00						
2	VSTF	PL	140* 11	1412	0.79	C	0.79						
1	LFLG-I	PL	3410* 11	3000	20.46	A	10.23	C	10.23				
6	LF-RIB	PL	160* 16	2990	5.74	C	5.74						
4	HANG	NUT	M 20			K							
4	HANG	BOLT	M 20* 65			K							
4	HANG	INUT	20										
2		PL	200* 16	200	0.16	D	0.16						
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
1		PL	1230* 14	1630	4.01								MW1
2		RB	19 φ	600	0.07	C	0.07						MW1
YSJ4-YSJ5 3.0m						A	10.23	C	85.83	D	10.39		
2@ YSJ4-YSJ5 3.0m						A	20.46	C	171.66	D	20.78		
BLK-20(BLK-34)						A	839.48	C	1647.56	D	425.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-21(BLK-33) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
2	URIB-O	U	320* 240* 8	4220		11.37	A	2.96	C	0.57			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	DR-DUB	PL	820* 16	740		1.21							
2	DR-H	PL	280* 25	848		0.95	A	0.95					
1	DR-H	PL	250* 25	1500		0.75	A	0.75					
2	DR-H	FB	50* 6	684		0.14							
1	KR-DECK	PL	571* 16	1632		1.86	A	1.62	C	0.24		Channel Widening	
1	KR-TOP	PL	391* 9	591		0.46	A	0.23	C	0.23			
1	KR-RIB	PL	183* 9	591		0.22	C	0.22					
2	KR-RIB	PL	217* 9	591		0.51	A	0.26	C	0.26			
3	KR-RIB	PL	369* 9	591		1.31	A	1.31					
1	KR-RIB	PL	367* 9	384		0.28	A	0.28					
2	KR-WEB	PL	388* 9	1471		2.28	A	2.28					
2	KR-FLG	PL	100* 10	1146		0.46	A	0.46					
2	KR-RIB	PL	182* 9	827		0.60	A	0.60					
1	KR-BASE	PL	450* 9	450		0.41	A	0.32	C	0.08			
1	KR-BASE	PL	400* 10	400		0.32							
LB1-YSJ1(YSJ8-RB1)							A	60.72	C	2.37	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	242.88	C	9.48	D	81.80	

Bago Bridge Main Girder BLK-21(BLK-33) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				

Painting Calculation

(Unit : mm,m²)

4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-21(BLK-33) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						

Painting Calculation

(Unit: mm, m²)

15	HANG	BOLT	M 20* 65					K					
15	HANG	INUT		20									
1		PL	270* 16		630		0.34						HH
1		PL	270* 9		450		0.24						HH
6		BN	M 16* 60				0.02						HH
YSJ2-YSJ3(YSJ6-YSJ7)								A	61.71	C	139.63	D	27.54
4@ YSJ2-YSJ3(YSJ6-YSJ7)								A	246.84	C	558.52	D	110.16

Bago Bridge Main Girder BLK-21(BLK-33) YSJ3-YSJ4(YSJ5-YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
YSJ3-YSJ4(YSJ5-YSJ6)								A	17.19	C	111.20	D	19.94
4@ YSJ3-YSJ4(YSJ5-YSJ6)								A	68.76	C	444.80	D	79.76

Bago Bridge Main Girder BLK-21(BLK-33) YSJ4-YSJ5 6.0m													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46			
2	RIB-I	PL	250* 24	5990		5.99	C	5.99					
4	RIB-I	PL	200* 20	5990		9.58	C	9.58					
1	DOUBLE	PL	680* 16	1170		1.59							
1	PIPE	STK	355.6* 7.9	1134		1.27	A	0.64	C	0.64			

Painting Calculation

(Unit : mm,m²)

12	P-RIB	PL	88* 9	150		0.32	A	0.32					
1	P-FLG	PL	544* 16	544	40	0.24	A	0.24					
2	DIA	PL	453* 9	2659		4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75					D1
2	DIA	PL	453* 9	2659		4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75					D1
2	YR-W	PL	453* 9	2659		4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206		0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453		0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453		0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472		1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472		0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472		2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472		1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000		63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990		11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680		1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060		1.96	C	1.96					
2	VSTF	PL	140* 11	1412		0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000		40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990		11.50	C	11.50					
1	CAB-F	PL	720* 36	2472		3.56	C	3.56					C15
2	CAB-F	PL	150* 30	2472		1.48	C	1.48					C15
1	CAB-W	PL	1780* 22	2472		8.80	C	8.80					C15
1	CAB-R	PL	200* 22	1710		0.68	C	0.68					C15
1	CAB-W	PL	1280* 22	2472		6.33	C	6.33					C15
1	CAB-R	PL	200* 22	1830		0.73	C	0.73					C15
2	CAB-R	PL	340* 22	785		1.07	C	1.07					C15
4	CAB-R	PL	130* 22	755		0.79	C	0.79					C15
1	CAB-ANC	PL	550* 85	550		0.61							C15 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02							
6	HANG	NUT	M 20				K						
6	HANG	BOLT	M 20* 65				K						
6	HANG	INUT		20									

Painting Calculation

(Unit : mm,m²)

1		PL	2020* 16	2020	8.16															MD2		
1		PL	1120* 9	1120	2.51																MD2	
2		FB	100* 6	900	0.36	C	0.36														MD2	
2		PL	220* 22	2472	2.18	C	2.18														MD2	
YSJ4-YSJ5 6.0m						A	21.66	C	229.14	D	20.46											
2@ YSJ4-YSJ5 6.0m						A	43.32	C	458.28	D	40.92											

Bago Bridge Main Girder BLK-21(BLK-33) YSJ4-YSJ5 3.0m																					
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area										Remarks				
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23											
2	RIB-I	PL	250* 24	2990		2.99	C	2.99													
4	RIB-I	PL	200* 20	2990		4.78	C	4.78													
2	YR-UW	PL	700* 9	453		1.27	C	1.27													CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43													CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95													CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42													CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58													CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19													CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61													CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14													CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91													
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74													
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76													
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00													
2	VSTF	PL	140* 11	1412		0.79	C	0.79													
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23											
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74													
4	HANG	NUT	M 20				K														
4	HANG	BOLT	M 20* 65				K														
4	HANG	INUT		20																	
2		PL	200* 16	200		0.16	D	0.16													
1		PL	270* 16	630		0.34															HH
1		PL	270* 9	450		0.24															HH
6		BN	M 16* 60			0.02															HH
1		PL	1230* 14	1630		4.01															MW1
2		RB	19 φ	600		0.07	C	0.07													MW1
YSJ4-YSJ5 3.0m						A	10.23	C	85.83	D	10.39										
2@ YSJ4-YSJ5 3.0m						A	20.46	C	171.66	D	20.78										
BLK-21(BLK-33)						A	863.02	C	1653.66	D	425.58										

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-22(BLK-32) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
1	K-DECK	PL	550* 16	1717		1.89	A	0.94	D	0.94		Lighting
1	K-WEB	PL	384* 9	2144		1.65	A	1.65				
3	K-RIB	PL	369* 9	541		1.20	A	1.20				
2	K-RIB	PL	367* 9	384		0.56	A	0.56				
3	K-WEB	PL	388* 9	1471		3.42	A	3.42				
3	K-FLG	PL	100* 10	1146		0.69	A	0.69				
2	K-RIB	PL	359* 9	286		0.41	A	0.41				
1	K-BASE	PL	350* 22	350		0.25						
2	DR-DUB	PL	820* 16	740		2.43						
4	DR-H	PL	280* 25	848		1.90	A	1.90				
2	DR-H	PL	250* 25	1500		1.50	A	1.50				
4	DR-H	FB	50* 6	684		0.29						
LB1-YSJ1(YSJ8-RB1)							A	63.73	C	1.30	D	21.39
4@ LB1-YSJ1(YSJ8-RB1)							A	254.92	C	5.20	D	85.56

Bago Bridge Main Girder BLK-22(BLK-32) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				

Painting Calculation

(Unit : mm,m²)

YSJ1-YSJ2(YSJ7-YSJ8)				A	60.19	C	2.73	D	23.04		
4@ YSJ1-YSJ2(YSJ7-YSJ8)				A	240.76	C	10.92	D	92.16		

Bago Bridge Main Girder BLK-22(BLK-32) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40					
4	BR-F	PL	240* 15	1421		2.73	A	2.73					
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90					
2	HSTF	PL	140* 11	2169		1.21	C	1.21					
2	HSTF	PL	140* 11	1204		0.67	C	0.67					
4	HIKAE	PL	116* 15	500		0.46	C	0.46					
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56					
2	YR-UF	PL	240* 10	1712		1.64	C	1.64					
2	YR-LW	PL	527* 9	1507		3.18	C	3.18					
2	YR-LF	PL	230* 10	1524		1.40	C	1.40					
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38					
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36			
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04			
2	VSTF	PL	170* 14	864		0.59	C	0.59					
5	HSTF	PL	160* 16	516		0.83	C	0.83					
6	HSTF	PL	160* 16	2171		4.17	C	4.17					
3	HSTF	PL	160* 16	2061		1.98	C	1.98					
3	HSTF	PL	160* 16	2066		1.98	C	1.98					
2	HSTF	PL	160* 16	1646		1.05	C	1.05					
1	HSTF	PL	160* 16	1535		0.49	C	0.49					
1	HSTF	PL	160* 16	1540		0.49	C	0.49					
3	HSTF	PL	160* 16	2169		2.08	C	2.08					
1	HSTF	PL	160* 16	1643		0.53	C	0.53					
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17			
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75					
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05					
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						
15	HANG	BOLT	M 20* 65				K						
15	HANG	INUT		20									
1		PL	1300* 16	1700		4.42							MD1

Painting Calculation

 (Unit : mm, m²)

1		PL	680* 9	880	1.20								MD1
1		PL	747* 8	780	1.17	C	1.17						MD1
2	DIA	PL	254* 6	308	0.31	C	0.16						MD1
8	SPL	PL	155* 10	320	0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65		0.16	K	0.16						MD1
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
YSJ2-YSJ3(YSJ6-YSJ7)						A	61.71	C	140.96	D	27.54	G	0.40
						K	0.16	M	0.79				
4@ YSJ2-YSJ3(YSJ6-YSJ7)						A	246.84	C	563.84	D	110.16	G	1.60
						K	0.64	M	3.16				

Bago Bridge Main Girder BLK-22(BLK-32) YSJ3-YSJ4(YSJ5-YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
YSJ3-YSJ4(YSJ5-YSJ6)						A	17.19	C	111.20	D	19.94		
4@ YSJ3-YSJ4(YSJ5-YSJ6)						A	68.76	C	444.80	D	79.76		

Bago Bridge Main Girder BLK-22(BLK-32) YSJ4-YSJ5 6.0m													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks

Painting Calculation

(Unit : mm,m²)

1	DECK-I	PL	3410* 16	6000	40.92	C	20.46	D	20.46			
2	RIB-I	PL	250* 24	5990	5.99	C	5.99					
4	RIB-I	PL	200* 20	5990	9.58	C	9.58					
1	DOUBLE	PL	870* 16	1590	2.77							
1	PIPE	STK	457.2* 12.7	1298	1.85	A	0.93	C	0.93			
12	P-RIB	PL	95* 12	200	0.46	A	0.46					
1	P-FLG	PL	664* 19	664 40	0.35	A	0.35					
2	DIA	PL	453* 9	2659	4.82	C	4.82					D1
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D1
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D1
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D1
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D1
2	DIA	PL	453* 9	2659	4.82	C	4.82					D2
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D2
1	HSTF	PL	140* 11	2402	0.67	C	0.67					D2
2	HSTF	PL	140* 11	911	0.51	C	0.51					D2
2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					

Painting Calculation

(Unit : mm,m²)

2	VSTF	PL	140* 11	1412	0.79	C	0.79						
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46				
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50						
1	CAB-F	PL	935* 32	2472	4.62	C	4.62						C16
2	CAB-F	PL	200* 32	2472	1.98	C	1.98						C16
1	CAB-W	PL	2080* 25	2472	10.28	C	10.28						C16
1	CAB-R	PL	200* 25	1670	0.67	C	0.67						C16
1	CAB-W	PL	1340* 25	2472	6.62	C	6.62						C16
1	CAB-R	PL	200* 25	1630	0.65	C	0.65						C16
2	CAB-R	PL	455* 25	985	1.79	C	1.79						C16
4	CAB-R	PL	180* 25	953	1.37	C	1.37						C16
1	CAB-ANC	PL	750* 110	750	1.13								C16 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19						
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10						
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05						
3	MIZUNUKI	PL	75* 22	75	70	0.02							
6	HANG	NUT	M 20					K					
6	HANG	BOLT	M 20* 65					K					
6	HANG	INUT	20										
1		PL	2020* 16	2020	8.16								MD2
1		PL	1120* 9	1120	2.51								MD2
2		FB	100* 6	900	0.36	C	0.36						MD2
2		PL	220* 22	2472	2.18	C	2.18						MD2
YSJ4-YSJ5 6.0m						A	22.20	C	234.32	D	20.46	G	0.58
						K	0.20	M	1.15				
2@ YSJ4-YSJ5 6.0m						A	44.40	C	468.64	D	40.92	G	1.16
						K	0.40	M	2.30				

Bago Bridge Main Girder BLK-22(BLK-32) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23				
2	RIB-I	PL	250* 24	2990		2.99	C	2.99						
4	RIB-I	PL	200* 20	2990		4.78	C	4.78						
2	YR-UW	PL	700* 9	453		1.27	C	1.27					CF1	
2	YR-UF	PL	240* 10	453		0.43	C	0.43					CF1	
2	YR-LW	PL	527* 9	453		0.95	C	0.95					CF1	
2	YR-LF	PL	230* 16	453		0.42	C	0.42					CF1	
1	YR-UW	PL	725* 9	2472		3.58	C	3.58					CF1	
1	YR-UF	PL	240* 10	2472		1.19	C	1.19					CF1	
1	YR-LW	PL	527* 9	2472		2.61	C	2.61					CF1	
1	YR-LF	PL	230* 10	2472		1.14	C	1.14					CF1	

Painting Calculation

(Unit : mm,m²)

2	WEB-I	PL	2659* 14	3000	31.91	C	31.91						
6	LONGIT-RIB	PL	160* 16	2990	5.74	C	5.74						
2	LONGIT-RIB	PL	160* 16	1180	0.76	C	0.76						
2	LONGIT-RIB	PL	160* 16	1560	1.00	C	1.00						
2	VSTF	PL	140* 11	1412	0.79	C	0.79						
1	LFLG-I	PL	3410* 11	3000	20.46	A	10.23	C	10.23				
6	LF-RIB	PL	160* 16	2990	5.74	C	5.74						
4	HANG	NUT	M 20			K							
4	HANG	BOLT	M 20* 65			K							
4	HANG	INUT	20										
2		PL	200* 16	200	0.16	D	0.16						
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
1		PL	1230* 14	1630	4.01								MW1
2		RB	19 φ	600	0.07	C	0.07						MW1
YSJ4-YSJ5 3.0m						A	10.23	C	85.83	D	10.39		
2@ YSJ4-YSJ5 3.0m						A	20.46	C	171.66	D	20.78		
BLK-22(BLK-32)						A	876.14	C	1665.06	D	429.34	G	2.76
						K	1.04	M	5.46				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-23(BLK-31) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
2	DR-DUB	PL	820* 16	740		2.43						
4	DR-H	PL	280* 25	848		1.90	A	1.90				
2	DR-H	PL	250* 25	1500		1.50	A	1.50				
4	DR-H	FB	50* 6	684		0.29						
LB1-YSJ1(YSJ8-RB1)							A	54.86	C	1.30	D	20.45
4@ LB1-YSJ1(YSJ8-RB1)							A	219.44	C	5.20	D	81.80

Bago Bridge Main Girder BLK-23(BLK-31) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16

Bago Bridge Main Girder BLK-23(BLK-31) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-23(BLK-31) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit: mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-23(BLK-31) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	870* 16	1690		2.94						
1	PIPE	STK	457.2* 12.7	1385		1.99	A	0.99	C	0.99		
12	P-RIB	PL	95* 12	200		0.46	A	0.46				
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D2
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D2
1	HSTF	PL	140* 11	2402		0.67	C	0.67				D2
2	HSTF	PL	140* 11	911		0.51	C	0.51				D2

Painting Calculation

(Unit : mm,m²)

2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C17
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C17
1	CAB-W	PL	2180* 25	2472	10.78	C	10.78					C17
1	CAB-R	PL	200* 25	1790	0.72	C	0.72					C17
1	CAB-W	PL	1380* 25	2472	6.82	C	6.82					C17
1	CAB-R	PL	200* 25	1590	0.64	C	0.64					C17
2	CAB-R	PL	455* 25	985	1.79	C	1.79					C17
4	CAB-R	PL	180* 25	953	1.37	C	1.37					C17
1	CAB-ANC	PL	750* 110	750	1.13							C17 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					
2	MIZUNUKI	FB	50* 6	247	0.05	C	0.05					
3	MIZUNUKI	PL	75* 22	75	70	0.02						

Painting Calculation

(Unit : mm,m²)

6	HANG	NUT	M 20				K								
6	HANG	BOLT	M 20* 65				K								
6	HANG	INUT	20												
1		PL	2020* 16	2020		8.16									MD2
1		PL	1120* 9	1120		2.51									MD2
2		FB	100* 6	900		0.36	C	0.36							MD2
2		PL	220* 22	2472		2.18	C	2.18							MD2
YSJ4-YSJ5 6.0m							A	22.26	C	235.12	D	20.46	G	0.58	
							K	0.20	M	1.15					
2@ YSJ4-YSJ5 6.0m							A	44.52	C	470.24	D	40.92	G	1.16	
							K	0.40	M	2.30					

Bago Bridge Main Girder BLK-23(BLK-31) YSJ4-YSJ5 3.0m															
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks		
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23					
2	RIB-I	PL	250* 24	2990		2.99	C	2.99							
4	RIB-I	PL	200* 20	2990		4.78	C	4.78							
2	YR-UW	PL	700* 9	453		1.27	C	1.27							CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43							CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95							CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42							CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58							CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19							CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61							CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14							CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91							
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74							
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76							
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00							
2	VSTF	PL	140* 11	1412		0.79	C	0.79							
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23					
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74							
4	HANG	NUT	M 20				K								
4	HANG	BOLT	M 20* 65				K								
4	HANG	INUT	20												
2		PL	200* 16	200		0.16	D	0.16							
1		PL	270* 16	630		0.34									HH
1		PL	270* 9	450		0.24									HH
6		BN	M 16* 60			0.02									HH
1		PL	1230* 14	1630		4.01									MW1
2		RB	19 φ	600		0.07	C	0.07							MW1

Painting Calculation

(Unit : mm,m²)

YSJ4-YSJ5 3.0m	A	10.23	C	85.83	D	10.39			
2@ YSJ4-YSJ5 3.0m	A	20.46	C	171.66	D	20.78			
BLK-23(BLK-31)	A	840.78	C	1661.34	D	425.58	G	1.16	
	K	0.40	M	2.30					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-24(BLK-30) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
2	DR-DUB	PL	820* 16	740		2.43						
4	DR-H	PL	280* 25	848		1.90	A	1.90				
2	DR-H	PL	250* 25	1500		1.50	A	1.50				
4	DR-H	FB	50* 6	684		0.29						
LB1-YSJ1(YSJ8-RB1)							A	54.86	C	1.30	D	20.45
4@ LB1-YSJ1(YSJ8-RB1)							A	219.44	C	5.20	D	81.80

Bago Bridge Main Girder BLK-24(BLK-30) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16

Bago Bridge Main Girder BLK-24(BLK-30) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT	20											
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH
							A	61.71	C	139.63	D	27.54		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	246.84	C	558.52	D	110.16		

Bago Bridge Main Girder BLK-24(BLK-30) YSJ3-YSJ4(YSJ5-YSJ6)

Painting Calculation

(Unit: mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94			
1	RIB-I	PL	250* 24	8990		4.50	C	4.50					
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25					
2	YR-UF	PL	240* 10	2258		2.17	C	2.17					
2	YR-LW	PL	527* 9	1905		4.02	C	4.02					
2	YR-LF	PL	230* 10	1905		1.75	C	1.75					
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25					
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51					
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19			
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
							A	17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)							A	68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-24(BLK-30) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	870* 16	1920		3.34						
2	RIB	PL	220* 22	2472		2.18	C	2.18				
1	PIPE	STK	457.2* 12.7	1467		2.10	A	1.05	C	1.05		
12	P-RIB	PL	95* 12	200		0.46	A	0.46				
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D2
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D2
1	HSTF	PL	140* 11	2402		0.67	C	0.67				D2
2	HSTF	PL	140* 11	911		0.51	C	0.51				D2
2	COLLAR	PL	100* 10	1000		0.40	C	0.40				D2
4	COLLAR	PL	90* 10	740		0.53	C	0.53				D2
1		PL	95* 9	410		0.08	C	0.08				D2
1		PL	500* 9	570		0.57	C	0.57				D2

Painting Calculation

(Unit: mm,m²)

2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	DIA	PL	453* 9	2659	4.82	C	4.82					D3
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D3
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D3
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D3
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D3
1	D-FLG	PL	150* 10	715	0.21	C	0.21					D3
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C18
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C18
1	CAB-W	PL	2280* 25	2472	11.27	C	11.27					C18
1	CAB-R	PL	200* 25	1830	0.73	C	0.73					C18
1	CAB-W	PL	1420* 25	2472	7.02	C	7.02					C18
1	CAB-R	PL	200* 25	1560	0.62	C	0.62					C18
2	CAB-R	PL	455* 25	985	1.79	C	1.79					C18
4	CAB-R	PL	180* 25	953	1.37	C	1.37					C18
1	CAB-ANC	PL	750* 110	750	1.13							C18 plating
3	MIZUNUKI	FB	50* 6	498	0.19	C	0.19					
2	MIZUNUKI	FB	50* 6	492	0.10	C	0.10					

Painting Calculation

(Unit : mm,m²)

2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05						
3	MIZUNUKI	PL	75* 22	75	70	0.02								
6	HANG	NUT	M 20				K							
6	HANG	BOLT	M 20* 65				K							
6	HANG	INUT		20										
1		PL	2020* 16	2020		8.16								MD2
1		PL	1120* 9	1120		2.51								MD2
2		FB	100* 6	900		0.36	C	0.36						MD2
2		PL	220* 22	2472		2.18	C	2.18						MD2
YSJ4-YSJ5 6.0m							A	22.32	C	238.25	D	20.46	G	0.58
							K	0.20	M	1.15				
2@ YSJ4-YSJ5 6.0m							A	44.64	C	476.50	D	40.92	G	1.16
							K	0.40	M	2.30				

Bago Bridge Main Girder BLK-24(BLK-30) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23				
2	RIB-I	PL	250* 24	2990		2.99	C	2.99						
4	RIB-I	PL	200* 20	2990		4.78	C	4.78						
2	YR-UW	PL	700* 9	453		1.27	C	1.27						CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43						CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95						CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42						CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58						CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19						CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61						CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14						CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91						
6	LONGIT-RIB	PL	160* 16	2990		5.74	C	5.74						
2	LONGIT-RIB	PL	160* 16	1180		0.76	C	0.76						
2	LONGIT-RIB	PL	160* 16	1560		1.00	C	1.00						
2	VSTF	PL	140* 11	1412		0.79	C	0.79						
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23				
6	LF-RIB	PL	160* 16	2990		5.74	C	5.74						
4	HANG	NUT	M 20				K							
4	HANG	BOLT	M 20* 65				K							
4	HANG	INUT		20										
2		PL	200* 16	200		0.16	D	0.16						
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit : mm,m²)

1	PL	1230* 14	1630	4.01								MW1
2	RB	19 ϕ	600	0.07	C	0.07						MW1
YSJ4-YSJ5 3.0m					A	10.23	C	85.83	D	10.39		
2@ YSJ4-YSJ5 3.0m					A	20.46	C	171.66	D	20.78		
BLK-24(BLK-30)					A	840.90	C	1667.60	D	425.58	G	1.16
					K	0.40	M	2.30				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-25(BLK-29) LB1-YSJ1(YSJ8-RB1)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37		
1	RIB-O	PL	250* 24	8990		4.50	A	4.50				
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61		
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53		
4	UR-DIA	PL	254* 6	308		0.63	C	0.16				
1	ST-W	PL	384* 9	8990		6.90	A	6.90				
1	ST-F	PL	100* 10	8990		1.80	A	1.80				
1		PL	342* 6	9000		6.16	A	3.08	D	3.08		
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88				
4	BR-F	PL	240* 15	1803		3.46	A	3.46				
4	BR-STF	PL	100* 9	544		0.44	A	0.44				
5	HANG	PL	100* 9	120		0.12	A	0.12				
2	DR-DUB	PL	820* 16	740		2.43						
4	DR-H	PL	280* 25	848		1.90	A	1.90				
2	DR-H	PL	250* 25	1500		1.50	A	1.50				
4	DR-H	FB	50* 6	684		0.29						
LB1-YSJ1(YSJ8-RB1)							A	54.86	C	1.30	D	20.45
4@ LB1-YSJ1(YSJ8-RB1)							A	219.44	C	5.20	D	81.80

Bago Bridge Main Girder BLK-25(BLK-29) YSJ1-YSJ2(YSJ7-YSJ8)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04		
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42		
8	UR-DIA	PL	254* 6	308		1.25	C	0.31				
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89				
4	BR-F	PL	240* 15	2590		4.97	A	4.97				
4	BR-STF	PL	100* 9	785		0.63	A	0.63				
4	BR-STF	PL	100* 9	1026		0.82	A	0.82				
10	HANG	PL	100* 9	120		0.24	A	0.24				
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16

Bago Bridge Main Girder BLK-25(BLK-29) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit : mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit : mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.96	D	27.54	G	0.40	
		K	0.16	M	0.79					
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.84	D	110.16	G	1.60	
		K	0.64	M	3.16					

Bago Bridge Main Girder BLK-25(BLK-29) YSJ3-YSJ4(YSJ5-YSJ6)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94		
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27				
6	UR-DIA	PL	254* 6	308		0.94	C	0.23				
2	DIA	PL	2206* 9	2650		23.38	C	23.38				
2	HSTF	PL	140* 11	1804		1.01	C	1.01				
2	HSTF	PL	140* 11	1611		0.90	C	0.90				
6	COLLAR	PL	100* 10	1400		1.68	C	1.68				
8	COLLAR	PL	90* 10	1040		1.50	C	1.50				
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25				
2	YR-UF	PL	240* 10	2258		2.17	C	2.17				
2	YR-LW	PL	527* 9	1905		4.02	C	4.02				
2	YR-LF	PL	230* 10	1905		1.75	C	1.75				
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25				
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51				
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19		
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51				
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14				
1	MIZUNUKI	PL	75* 22	75	70	0.01						
YSJ3-YSJ4(YSJ5-YSJ6)		A				17.19	C	111.20	D	19.94		
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A				68.76	C	444.80	D	79.76		

Bago Bridge Main Girder BLK-25(BLK-29) YSJ4-YSJ5 6.0m												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46		
2	RIB-I	PL	250* 24	5990		5.99	C	5.99				
4	RIB-I	PL	200* 20	5990		9.58	C	9.58				
1	DOUBLE	PL	870* 16	1960		3.41						
2	RIB	PL	220* 22	2472		2.18	C	2.18				
1	PIPE	STK	457.2* 12.7	1542		2.20	A	1.10	C	1.10		
12	P-RIB	PL	95* 12	200		0.46	A	0.46				
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35				

Painting Calculation

(Unit : mm,m²)

2	DIA	PL	453* 9	2659	4.82	C	4.82					D2
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D2
1	HSTF	PL	140* 11	2402	0.67	C	0.67					D2
2	HSTF	PL	140* 11	911	0.51	C	0.51					D2
2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	DIA	PL	453* 9	2659	4.82	C	4.82					D3
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D3
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D3
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D3
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D3
1	D-FLG	PL	150* 10	715	0.21	C	0.21					D3
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C19
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C19
1	CAB-W	PL	2370* 25	2472	11.72	C	11.72					C19

Painting Calculation

(Unit : mm,m²)

1	CAB-R	PL	200* 25	1790		0.72	C	0.72											C19
1	CAB-W	PL	1460* 25	2472		7.22	C	7.22											C19
1	CAB-R	PL	200* 25	1540		0.62	C	0.62											C19
2	CAB-R	PL	455* 25	985		1.79	C	1.79											C19
4	CAB-R	PL	180* 25	953		1.37	C	1.37											C19
1	CAB-ANC	PL	750* 110	750		1.13													C19 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19											
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10											
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05											
3	MIZUNUKI	PL	75* 22	75	70	0.02													
6	HANG	NUT	M 20				K												
6	HANG	BOLT	M 20* 65				K												
6	HANG	INUT		20															
1		PL	2020* 16	2020		8.16													MD2
1		PL	1120* 9	1120		2.51													MD2
2		FB	100* 6	900		0.36	C	0.36											MD2
2		PL	220* 22	2472		2.18	C	2.18											MD2
YSJ4-YSJ5 6.0m							A	22.37	C	238.94	D	20.46	G	0.58					
							K	0.20	M	1.15									
2@ YSJ4-YSJ5 6.0m							A	44.74	C	477.88	D	40.92	G	1.16					
							K	0.40	M	2.30									

Bago Bridge Main Girder BLK-25(BLK-29) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks								
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23									
2	RIB-I	PL	250* 24	2990		2.99	C	2.99											
4	RIB-I	PL	200* 20	2990		4.78	C	4.78											
2	YR-UW	PL	700* 9	453		1.27	C	1.27											CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43											CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95											CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42											CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58											CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19											CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61											CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14											CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91											
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74											
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76											
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00											
2	VSTF	PL	140* 11	1412		0.79	C	0.79											
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23									

Painting Calculation

(Unit : mm,m²)

6	LF-RIB	PL	160* 16	2990	5.74	C	5.74						
4	HANG	NUT	M 20			K							
4	HANG	BOLT	M 20* 65			K							
4	HANG	INUT	20										
2		PL	200* 16	200	0.16	D	0.16						
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
1		PL	1230* 14	1630	4.01								MW1
2		RB	19 φ	600	0.07	C	0.07						MW1
YSJ4-YSJ5 3.0m						A	10.23	C	85.83	D	10.39		
2@ YSJ4-YSJ5 3.0m						A	20.46	C	171.66	D	20.78		
BLK-25(BLK-29)						A	841.00	C	1674.30	D	425.58	G	2.76
						K	1.04	M	5.46				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-26(BLK-28) LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	1930* 16	9000		34.74	A	17.37	D	17.37			
1	RIB-O	PL	250* 24	8990		4.50	A	4.50					
1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61			
3	URIB-O	U	320* 240* 8	2630		10.63	A	2.76	C	0.53			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	8990		6.90	A	6.90					
1	ST-F	PL	100* 10	8990		1.80	A	1.80					
1		PL	342* 6	9000		6.16	A	3.08	D	3.08			
4	BR-W	PL	692* 9	1899	75	7.88	A	7.88					
4	BR-F	PL	240* 15	1803		3.46	A	3.46					
4	BR-STF	PL	100* 9	544		0.44	A	0.44					
5	HANG	PL	100* 9	120		0.12	A	0.12					
2	DR-DUB	PL	820* 16	740		2.43							
4	DR-H	PL	280* 25	848		1.90	A	1.90					
2	DR-H	PL	250* 25	1500		1.50	A	1.50					
4	DR-H	FB	50* 6	684		0.29							
LB1-YSJ1(YSJ8-RB1)							A	54.86	C	1.30	D	20.45	
4@ LB1-YSJ1(YSJ8-RB1)							A	219.44	C	5.20	D	81.80	

Bago Bridge Main Girder BLK-26(BLK-28) YSJ1-YSJ2(YSJ7-YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
1	DECK-O	PL	2560* 16	9000		46.08	A	23.04	D	23.04			
4	URIB-O	U	320* 240* 8	8990		48.46	A	12.60	C	2.42			
8	UR-DIA	PL	254* 6	308		1.25	C	0.31					
4	BR-W	PL	1167* 9	2555	75	17.89	A	17.89					
4	BR-F	PL	240* 15	2590		4.97	A	4.97					
4	BR-STF	PL	100* 9	785		0.63	A	0.63					
4	BR-STF	PL	100* 9	1026		0.82	A	0.82					
10	HANG	PL	100* 9	120		0.24	A	0.24					
YSJ1-YSJ2(YSJ7-YSJ8)							A	60.19	C	2.73	D	23.04	
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	240.76	C	10.92	D	92.16	

Bago Bridge Main Girder BLK-26(BLK-28) YSJ2-YSJ3(YSJ6-YSJ7)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	DECK-IO	PL	3060* 16	9000		55.08	A	6.61	C	20.93	D	27.54
1	RIB-I	PL	250* 24	8990		4.50	C	4.50				

Painting Calculation

(Unit: mm,m²)

1	URIB-O	U	320* 240* 8	8990		12.11	A	3.15	C	0.61				
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
4	BR-W	PL	1412* 9	1387	60	9.40	A	9.40						
4	BR-F	PL	240* 15	1421		2.73	A	2.73						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
2	YR-UW	PL	1459* 9	2323		13.56	C	13.56						
2	YR-UF	PL	240* 10	1712		1.64	C	1.64						
2	YR-LW	PL	527* 9	1507		3.18	C	3.18						
2	YR-LF	PL	230* 10	1524		1.40	C	1.40						
2	YR-VSTF	PL	100* 9	956		0.38	C	0.38						
1	WEB-O	PL	484* 14	9000		8.71	A	4.36	C	4.36				
1	WEB-O	PL	2560* 14	9000		46.08	A	23.04	C	23.04				
2	VSTF	PL	170* 14	864		0.59	C	0.59						
5	HSTF	PL	160* 16	516		0.83	C	0.83						
6	HSTF	PL	160* 16	2171		4.17	C	4.17						
3	HSTF	PL	160* 16	2061		1.98	C	1.98						
3	HSTF	PL	160* 16	2066		1.98	C	1.98						
2	HSTF	PL	160* 16	1646		1.05	C	1.05						
1	HSTF	PL	160* 16	1535		0.49	C	0.49						
1	HSTF	PL	160* 16	1540		0.49	C	0.49						
3	HSTF	PL	160* 16	2169		2.08	C	2.08						
1	HSTF	PL	160* 16	1643		0.53	C	0.53						
1	LFLG-IO	PL	1255* 11	9000		22.59	A	12.42	C	10.17				
2	LF-RIB	PL	160* 16	8990		5.75	C	5.75						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						
1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05						
1	MIZUNUKI	PL	75* 22	75	70	0.01								
15	HANG	NUT	M 20				K							
15	HANG	BOLT	M 20* 65				K							
15	HANG	INUT		20										
1		PL	1300* 16	1700		4.42								MD1
1		PL	680* 9	880		1.20								MD1
1		PL	747* 8	780		1.17	C	1.17						MD1
2	DIA	PL	254* 6	308		0.31	C	0.16						MD1
8	SPL	PL	155* 10	320		0.79	G	0.40	M	0.79				MD1
32		TCB	M 22* 65			0.16	K	0.16						MD1
1		PL	270* 16	630		0.34								HH
1		PL	270* 9	450		0.24								HH
6		BN	M 16* 60			0.02								HH

Painting Calculation

(Unit : mm,m²)

YSJ2-YSJ3(YSJ6-YSJ7)		A	61.71	C	140.96	D	27.54	G	0.40	
		K	0.16	M	0.79					
4@ YSJ2-YSJ3(YSJ6-YSJ7)		A	246.84	C	563.84	D	110.16	G	1.60	
		K	0.64	M	3.16					

Bago Bridge Main Girder BLK-26(BLK-28) YSJ3-YSJ4(YSJ5-YSJ6)											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
1	DECK-I	PL	2215* 16	9000		39.87	C	19.94	D	19.94	
1	RIB-I	PL	250* 24	8990		4.50	C	4.50			
3	URIB-I	U	320* 240* 8	8990		36.34	C	11.27			
6	UR-DIA	PL	254* 6	308		0.94	C	0.23			
2	DIA	PL	2206* 9	2650		23.38	C	23.38			
2	HSTF	PL	140* 11	1804		1.01	C	1.01			
2	HSTF	PL	140* 11	1611		0.90	C	0.90			
6	COLLAR	PL	100* 10	1400		1.68	C	1.68			
8	COLLAR	PL	90* 10	1040		1.50	C	1.50			
2	YR-UW	PL	1046* 9	2210		9.25	C	9.25			
2	YR-UF	PL	240* 10	2258		2.17	C	2.17			
2	YR-LW	PL	527* 9	1905		4.02	C	4.02			
2	YR-LF	PL	230* 10	1905		1.75	C	1.75			
2	YR-VSTF	PL	100* 9	621		0.25	C	0.25			
4	YR-VSTF	PL	100* 9	637		0.51	C	0.51			
1	LFLG-I	PL	1910* 11	9000		34.38	A	17.19	C	17.19	
4	LF-RIB	PL	160* 16	8990		11.51	C	11.51			
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14			
1	MIZUNUKI	PL	75* 22	75	70	0.01					
YSJ3-YSJ4(YSJ5-YSJ6)		A				17.19	C	111.20	D	19.94	
4@ YSJ3-YSJ4(YSJ5-YSJ6)		A				68.76	C	444.80	D	79.76	

Bago Bridge Main Girder BLK-26(BLK-28) YSJ4-YSJ5 6.0m											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
1	DECK-I	PL	3410* 16	6000		40.92	C	20.46	D	20.46	
2	RIB-I	PL	250* 24	5990		5.99	C	5.99			
4	RIB-I	PL	200* 20	5990		9.58	C	9.58			
1	DOUBLE	PL	870* 16	2105		3.66					
2	RIB	PL	220* 22	2472		2.18	C	2.18			
1	PIPE	STK	457.2* 12.7	1612		2.31	A	1.15	C	1.15	
12	P-RIB	PL	95* 12	200		0.46	A	0.46			
1	P-FLG	PL	664* 19	664	40	0.35	A	0.35			

Painting Calculation

(Unit : mm,m²)

2	DIA	PL	453* 9	2659	4.82	C	4.82					D2
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D2
1	HSTF	PL	140* 11	2402	0.67	C	0.67					D2
2	HSTF	PL	140* 11	911	0.51	C	0.51					D2
2	COLLAR	PL	100* 10	1000	0.40	C	0.40					D2
4	COLLAR	PL	90* 10	740	0.53	C	0.53					D2
1		PL	95* 9	410	0.08	C	0.08					D2
1		PL	500* 9	570	0.57	C	0.57					D2
2	SPL	PL	165* 9	400	0.26	G	0.13	M	0.26			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
4	SPL	PL	165* 9	330	0.44	G	0.22	M	0.44			D2
16	TCB	TCB	M 22* 65		0.08	K	0.08					D2
1	HSTF	PL	140* 11	570	0.16	C	0.16					D2
4	SPL	PL	100* 9	315	0.25	G	0.13	M	0.25			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
1	COLLAR	PL	100* 10	570	0.11	C	0.11					D2
2	COLLAR	PL	100* 10	210	0.08	C	0.08					D2
4	SPL	PL	80* 9	315	0.20	G	0.10	M	0.20			D2
8	TCB	TCB	M 22* 65		0.04	K	0.04					D2
2	DIA	PL	453* 9	2659	4.82	C	4.82					D3
1	DIA	PL	2472* 9	2684	13.27	C	13.27					D3
2	HSTF	PL	140* 11	2402	1.35	C	1.35					D3
3	COLLAR	PL	100* 10	1100	0.66	C	0.66					D3
4	COLLAR	PL	90* 10	1040	0.75	C	0.75					D3
1	D-FLG	PL	150* 10	715	0.21	C	0.21					D3
2	YR-W	PL	453* 9	2659	4.82	C	4.82					CF2
2	YR-F	PL	150* 10	1206	0.72	C	0.72					CF2
4	YR-UF	PL	116* 10	453	0.42	C	0.42					CF2
4	YR-LF	PL	111* 16	453	0.40	C	0.40					CF2
1	YR-UW	PL	375* 9	2472	1.85	C	1.85					CF2
1	YR-UF	PL	150* 10	2472	0.74	C	0.74					CF2
1	YR-LW	PL	527* 9	2472	2.61	C	2.61					CF2
1	YR-LF	PL	230* 10	2472	1.14	C	1.14					CF2
2	WEB-I	PL	2659* 14	6000	63.82	C	63.82					
6	LONGIT-RIE	PL	160* 16	5990	11.50	C	11.50					
2	LONGIT-RIE	PL	160* 16	2680	1.72	C	1.72					
2	LONGIT-RIE	PL	160* 16	3060	1.96	C	1.96					
2	VSTF	PL	140* 11	1412	0.79	C	0.79					
1	LFLG-I	PL	3410* 11	6000	40.92	A	20.46	C	20.46			
6	LF-RIB	PL	160* 16	5990	11.50	C	11.50					
1	CAB-F	PL	935* 32	2472	4.62	C	4.62					C20
2	CAB-F	PL	200* 32	2472	1.98	C	1.98					C20
1	CAB-W	PL	2450* 25	2472	12.11	C	12.11					C20

Painting Calculation

(Unit : mm,m²)

1	CAB-R	PL	200* 25	1760		0.70	C	0.70												C20
1	CAB-W	PL	1490* 25	2472		7.37	C	7.37												C20
1	CAB-R	PL	200* 25	1520		0.61	C	0.61												C20
2	CAB-R	PL	455* 25	985		1.79	C	1.79												C20
4	CAB-R	PL	180* 25	953		1.37	C	1.37												C20
1	CAB-ANC	PL	750* 110	750		1.13														C20 plating
3	MIZUNUKI	FB	50* 6	498		0.19	C	0.19												
2	MIZUNUKI	FB	50* 6	492		0.10	C	0.10												
2	MIZUNUKI	FB	50* 6	247		0.05	C	0.05												
3	MIZUNUKI	PL	75* 22	75	70	0.02														
6	HANG	NUT	M 20				K													
6	HANG	BOLT	M 20* 65				K													
6	HANG	INUT		20																
1		PL	2020* 16	2020		8.16														MD2
1		PL	1120* 9	1120		2.51														MD2
2		FB	100* 6	900		0.36	C	0.36												MD2
2		PL	220* 22	2472		2.18	C	2.18												MD2
YSJ4-YSJ5 6.0m							A	22.42	C	239.50	D	20.46	G	0.58						
							K	0.20	M	1.15										
2@ YSJ4-YSJ5 6.0m							A	44.84	C	479.00	D	40.92	G	1.16						
							K	0.40	M	2.30										

Bago Bridge Main Girder BLK-26(BLK-28) YSJ4-YSJ5 3.0m

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks									
1	DECK-I	PL	3410* 16	3000		20.46	C	10.23	D	10.23										
2	RIB-I	PL	250* 24	2990		2.99	C	2.99												
4	RIB-I	PL	200* 20	2990		4.78	C	4.78												
2	YR-UW	PL	700* 9	453		1.27	C	1.27												CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43												CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95												CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42												CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58												CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19												CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61												CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14												CF1
2	WEB-I	PL	2659* 14	3000		31.91	C	31.91												
6	LONGIT-RIE	PL	160* 16	2990		5.74	C	5.74												
2	LONGIT-RIE	PL	160* 16	1180		0.76	C	0.76												
2	LONGIT-RIE	PL	160* 16	1560		1.00	C	1.00												
2	VSTF	PL	140* 11	1412		0.79	C	0.79												
1	LFLG-I	PL	3410* 11	3000		20.46	A	10.23	C	10.23										

Painting Calculation

(Unit : mm,m²)

6	LF-RIB	PL	160* 16	2990	5.74	C	5.74						
4	HANG	NUT	M 20			K							
4	HANG	BOLT	M 20* 65			K							
4	HANG	INUT	20										
2		PL	200* 16	200	0.16	D	0.16						
1		PL	270* 16	630	0.34								HH
1		PL	270* 9	450	0.24								HH
6		BN	M 16* 60		0.02								HH
1		PL	1230* 14	1630	4.01								MW1
2		RB	19 φ	600	0.07	C	0.07						MW1
YSJ4-YSJ5 3.0m						A	10.23	C	85.83	D	10.39		
2@ YSJ4-YSJ5 3.0m						A	20.46	C	171.66	D	20.78		
BLK-26(BLK-28)						A	841.10	C	1675.42	D	425.58	G	2.76
						K	1.04	M	5.46				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder BLK-27 LB1-YSJ1(YSJ8-RB1)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-O	PL	1930* 16	6380		24.63	A	12.31	D	12.31			
1	RIB-O	PL	250* 24	6370		3.19	A	3.19					
1	URIB-O	U	320* 240* 8	6370		8.58	A	2.23	C	0.43			
3	URIB-O	U	320* 240* 8	1757		7.10	A	1.85	C	0.36			
4	UR-DIA	PL	254* 6	308		0.63	C	0.16					
1	ST-W	PL	384* 9	6370		4.89	A	4.89					
1	ST-F	PL	100* 10	6370		1.27	A	1.27					
1		PL	342* 6	6380		4.36	A	2.18	D	2.18			
3	BR-W	PL	692* 9	1899	75	5.91	A	5.91					
3	BR-F	PL	240* 15	1803		2.60	A	2.60					
3	BR-STF	PL	100* 9	544		0.33	A	0.33					
5	HANG	PL	100* 9	120		0.12	A	0.12					
1	K-DECK	PL	550* 16	1717		1.89	A	0.94	D	0.94			Lighting
1	K-WEB	PL	384* 9	2144		1.65	A	1.65					
3	K-RIB	PL	369* 9	541		1.20	A	1.20					
2	K-RIB	PL	367* 9	384		0.56	A	0.56					
3	K-WEB	PL	388* 9	1471		3.42	A	3.42					
3	K-FLG	PL	100* 10	1146		0.69	A	0.69					
2	K-RIB	PL	359* 9	286		0.41	A	0.41					
1	K-BASE	PL	350* 22	350		0.25							
2	DR-DUB	PL	820* 16	740		2.43							
4	DR-H	PL	280* 25	848		1.90	A	1.90					
2	DR-H	PL	250* 25	1500		1.50	A	1.50					
4	DR-H	FB	50* 6	684		0.29							
1	KR-DECK	PL	571* 16	1632		1.86	A	1.62	C	0.24			Channel Widening
1	KR-TOP	PL	391* 9	591		0.46	A	0.23	C	0.23			
1	KR-RIB	PL	183* 9	591		0.22	C	0.22					
2	KR-RIB	PL	217* 9	591		0.51	A	0.26	C	0.26			
3	KR-RIB	PL	369* 9	591		1.31	A	1.31					
1	KR-RIB	PL	367* 9	384		0.28	A	0.28					
2	KR-WEB	PL	388* 9	1471		2.28	A	2.28					
2	KR-FLG	PL	100* 10	1146		0.46	A	0.46					
2	KR-RIB	PL	182* 9	827		0.60	A	0.60					
1	KR-BASE	PL	450* 9	450		0.41	A	0.32	C	0.08			
1	KR-BASE	PL	400* 10	400		0.32							
LB1-YSJ1(YSJ8-RB1)							A	56.51	C	1.98	D	15.43	
2@ LB1-YSJ1(YSJ8-RB1)							A	113.02	C	3.96	D	30.86	

Bago Bridge Main Girder BLK-27 YSJ1-YSJ2(YSJ7-YSJ8)												
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Painting Calculation

(Unit: mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	DECK-O	PL	2560* 16	6380		32.67	A	16.33	D	16.33				
4	URIB-O	U	320* 240* 8	6370		34.33	A	8.93	C	1.72				
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
3	BR-W	PL	1167* 9	2555	75	13.42	A	13.42						
3	BR-F	PL	240* 15	2590		3.73	A	3.73						
3	BR-STF	PL	100* 9	785		0.47	A	0.47						
3	BR-STF	PL	100* 9	1026		0.62	A	0.62						
10	HANG	PL	100* 9	120		0.24	A	0.24						
YSJ1-YSJ2(YSJ7-YSJ8)							A	43.74	C	2.03	D	16.33		
2@ YSJ1-YSJ2(YSJ7-YSJ8)							A	87.48	C	4.06	D	32.66		

Bago Bridge Main Girder BLK-27 YSJ2-YSJ3(YSJ6-YSJ7)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	DECK-IO	PL	3060* 16	6380		39.05	A	4.69	C	14.84	D	19.52		
1	RIB-I	PL	250* 24	6370		3.19	C	3.19						
1	URIB-O	U	320* 240* 8	6370		8.58	A	2.23	C	0.43				
3	URIB-I	U	320* 240* 8	6370		25.75	C	7.98						
8	UR-DIA	PL	254* 6	308		1.25	C	0.31						
3	BR-W	PL	1412* 9	1387	60	7.05	A	7.05						
3	BR-F	PL	240* 15	1421		2.05	A	2.05						
2	DIA	PL	2606* 9	2626	80	21.90	C	21.90						
2	HSTF	PL	140* 11	2169		1.21	C	1.21						
2	HSTF	PL	140* 11	1204		0.67	C	0.67						
4	HIKAE	PL	116* 15	500		0.46	C	0.46						
1	YR-UW	PL	1459* 9	2323		6.78	C	6.78						
1	YR-UF	PL	240* 10	1712		0.82	C	0.82						
1	YR-LW	PL	527* 9	1507		1.59	C	1.59						
1	YR-LF	PL	230* 10	1524		0.70	C	0.70						
1	YR-VSTF	PL	100* 9	956		0.19	C	0.19						
1	WEB-O	PL	484* 14	6380		6.18	A	3.09	C	3.09				
1	WEB-O	PL	2560* 14	6380		32.67	A	16.33	C	16.33				
1	VSTF	PL	170* 14	864		0.29	C	0.29						
10	HSTF	PL	160* 16	1646		5.27	C	5.27						
6	HSTF	PL	160* 16	1421		2.73	C	2.73						
2	HSTF	PL	160* 16	1311		0.84	C	0.84						
2	HSTF	PL	160* 16	1316		0.84	C	0.84						
1	LFLG-IO	PL	1255* 11	6380		16.01	A	8.81	C	7.21				
2	LF-RIB	PL	160* 16	6370		4.08	C	4.08						
1	MIZUNUKI	FB	50* 6	479		0.05	C	0.05						

Painting Calculation

(Unit: mm,m²)

1	MIZUNUKI	FB	50* 6	572		0.05	C	0.05					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
15	HANG	NUT	M 20				K						
15	HANG	BOLT	M 20* 65				K						
15	HANG	INUT		20									
1		PL	270* 16	630		0.34							HH
1		PL	270* 9	450		0.24							HH
6		BN	M 16* 60			0.02							HH
1		PL	270* 16	630		0.34							HH
1		PL	270* 9	450		0.24							HH
6		BN	M 16* 60			0.02							HH
YSJ2-YSJ3(YSJ6-YSJ7)							A	44.25	C	101.85	D	19.52	
2@ YSJ2-YSJ3(YSJ6-YSJ7)							A	88.50	C	203.70	D	39.04	

Bago Bridge Main Girder BLK-27 YSJ3-YSJ4(YSJ5-YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	DECK-I	PL	2215* 16	6380		28.26	C	14.13	D	14.13			
1	RIB-I	PL	250* 24	6370		3.19	C	3.19					
3	URIB-I	U	320* 240* 8	6370		25.75	C	7.98					
6	UR-DIA	PL	254* 6	308		0.94	C	0.23					
2	DIA	PL	2206* 9	2650		23.38	C	23.38					
2	HSTF	PL	140* 11	1804		1.01	C	1.01					
2	HSTF	PL	140* 11	1611		0.90	C	0.90					
6	COLLAR	PL	100* 10	1400		1.68	C	1.68					
8	COLLAR	PL	90* 10	1040		1.50	C	1.50					
1	YR-UW	PL	1046* 9	2210		4.62	C	4.62					
1	YR-UF	PL	240* 10	2258		1.08	C	1.08					
1	YR-LW	PL	527* 9	1905		2.01	C	2.01					
1	YR-LF	PL	230* 10	1905		0.88	C	0.88					
1	YR-VSTF	PL	100* 9	621		0.12	C	0.12					
2	YR-VSTF	PL	100* 9	637		0.25	C	0.25					
1	LFLG-I	PL	1910* 11	6380		24.37	A	12.19	C	12.19			
4	LF-RIB	PL	160* 16	6370		8.15	C	8.15					
3	MIZUNUKI	FB	50* 6	493		0.14	C	0.14					
1	MIZUNUKI	PL	75* 22	75	70	0.01							
YSJ3-YSJ4(YSJ5-YSJ6)							A	12.19	C	83.44	D	14.13	
2@ YSJ3-YSJ4(YSJ5-YSJ6)							A	24.38	C	166.88	D	28.26	

Bago Bridge Main Girder BLK-27 YSJ4-YSJ5													

Painting Calculation

(Unit: mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
1	DECK-I	PL	3410* 16	6380		43.51	C	21.76	D	21.76		
2	RIB-I	PL	250* 24	6370		6.37	C	6.37				
4	RIB-I	PL	200* 20	6370		10.19	C	10.19				
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	DIA	PL	453* 9	2659		4.82	C	4.82				D1
1	DIA	PL	2472* 9	2684		13.27	C	13.27				D1
2	HSTF	PL	140* 11	2402		1.35	C	1.35				D1
3	COLLAR	PL	100* 10	1100		0.66	C	0.66				D1
4	COLLAR	PL	90* 10	1040		0.75	C	0.75				D1
2	YR-UW	PL	700* 9	453		1.27	C	1.27				CF1
2	YR-UF	PL	240* 10	453		0.43	C	0.43				CF1
2	YR-LW	PL	527* 9	453		0.95	C	0.95				CF1
2	YR-LF	PL	230* 16	453		0.42	C	0.42				CF1
1	YR-UW	PL	725* 9	2472		3.58	C	3.58				CF1
1	YR-UF	PL	240* 10	2472		1.19	C	1.19				CF1
1	YR-LW	PL	527* 9	2472		2.61	C	2.61				CF1
1	YR-LF	PL	230* 10	2472		1.14	C	1.14				CF1
2	WEB-I	PL	2659* 14	6380		67.86	C	67.86				
6	LONGIT-RIB	PL	160* 16	6370		12.23	C	12.23				
2	LONGIT-RIB	PL	160* 16	3060		1.96	C	1.96				
2	LONGIT-RIB	PL	160* 16	3060		1.96	C	1.96				
2	VSTF	PL	140* 11	1412		0.79	C	0.79				
1	LFLG-I	PL	3410* 11	6380		43.51	A	21.76	C	21.76		
6	LF-RIB	PL	160* 16	6370		12.23	C	12.23				
6	MIZUNUKI	FB	50* 6	498		0.33	C	0.33				
4	MIZUNUKI	FB	50* 6	492		0.24	C	0.24				
4	MIZUNUKI	FB	50* 6	247		0.10	C	0.10				
6	MIZUNUKI	PL	75* 22	75	70	0.05						
10	HANG	NUT	M 20				K					
10	HANG	BOLT	M 20* 65				K					
10	HANG	INUT	20									
1		PL	270* 16	630		0.34						HH
1		PL	270* 9	450		0.24						HH
6		BN	M 16* 60			0.02						HH
1		PL	270* 16	630		0.34						HH
1		PL	270* 9	450		0.24						HH
6		BN	M 16* 60			0.02						HH

Painting Calculation

(Unit: mm,m²)

YSJ4-YSJ5	A	21.76	C	211.07	D	21.76		
BLK-27	A	335.14	C	589.67	D	152.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Main Girder Cable Rack Holes BLK-1(BLK-53)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-1(BLK-53)							C	0.86				
2@ BLK-1(BLK-53)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-2(BLK-52)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-2(BLK-52)							C	0.86				
2@ BLK-2(BLK-52)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-3(BLK-51)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-3(BLK-51)							C	0.86				
2@ BLK-3(BLK-51)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-4(BLK-50)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-4(BLK-50)							C	0.86				
2@ BLK-4(BLK-50)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-5(BLK-49)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-5(BLK-49)							C	0.86				

Painting Calculation

(Unit : mm,m²)

2@ BLK-5(BLK-49)						C	1.72						
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Bago Bridge Main Girder Cable Rack Holes BLK-6(BLK-48)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-6(BLK-48)							C	0.86					
2@ BLK-6(BLK-48)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-7(BLK-47)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-7(BLK-47)							C	0.86					
2@ BLK-7(BLK-47)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-8(BLK-46)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-8(BLK-46)							C	0.86					
2@ BLK-8(BLK-46)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-9(BLK-45)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-9(BLK-45)							C	0.86					
2@ BLK-9(BLK-45)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-10(BLK-44)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					

Painting Calculation

(Unit : mm,m²)

BLK-10(BLK-44)										C	0.86								
2@ BLK-10(BLK-44)										C	1.72								

Bago Bridge Main Girder Cable Rack Holes BLK-11(BLK-43)																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
4	COLLAR	PL	110* 10	800		0.70	C	0.70										
4	COLLAR	PL	100* 10	200		0.16	C	0.16										
BLK-11(BLK-43)										C	0.86							
2@ BLK-11(BLK-43)										C	1.72							

Bago Bridge Main Girder Cable Rack Holes BLK-14(BLK-40)																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
4	COLLAR	PL	110* 10	800		0.70	C	0.70										
4	COLLAR	PL	100* 10	200		0.16	C	0.16										
BLK-14(BLK-40)										C	0.86							
2@ BLK-14(BLK-40)										C	1.72							

Bago Bridge Main Girder Cable Rack Holes BLK-17(BLK-37)																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
4	COLLAR	PL	110* 10	800		0.70	C	0.70										
4	COLLAR	PL	100* 10	200		0.16	C	0.16										
BLK-17(BLK-37)										C	0.86							
2@ BLK-17(BLK-37)										C	1.72							

Bago Bridge Main Girder Cable Rack Holes BLK-18(BLK-36)																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
4	COLLAR	PL	110* 10	800		0.70	C	0.70										
4	COLLAR	PL	100* 10	200		0.16	C	0.16										
BLK-18(BLK-36)										C	0.86							
2@ BLK-18(BLK-36)										C	1.72							

Bago Bridge Main Girder Cable Rack Holes BLK-19(BLK-35)																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					

Painting Calculation

(Unit : mm,m²)

4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-19(BLK-35)							C	0.86					
2@ BLK-19(BLK-35)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-20(BLK-34)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-20(BLK-34)							C	0.86					
2@ BLK-20(BLK-34)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-21(BLK-33)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-21(BLK-33)							C	0.86					
2@ BLK-21(BLK-33)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-22(BLK-32)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-22(BLK-32)							C	0.86					
2@ BLK-22(BLK-32)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-23(BLK-31)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	COLLAR	PL	110* 10	800		0.70	C	0.70					
4	COLLAR	PL	100* 10	200		0.16	C	0.16					
BLK-23(BLK-31)							C	0.86					
2@ BLK-23(BLK-31)							C	1.72					

Bago Bridge Main Girder Cable Rack Holes BLK-24(BLK-30)													
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Painting Calculation

(Unit : mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-24(BLK-30)							C	0.86				
2@ BLK-24(BLK-30)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-25(BLK-29)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-25(BLK-29)							C	0.86				
2@ BLK-25(BLK-29)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-26(BLK-28)												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
4	COLLAR	PL	110* 10	800		0.70	C	0.70				
4	COLLAR	PL	100* 10	200		0.16	C	0.16				
BLK-26(BLK-28)							C	0.86				
2@ BLK-26(BLK-28)							C	1.72				

Bago Bridge Main Girder Cable Rack Holes BLK-27														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	COLLAR	PL	110* 10	800		0.70	C	0.70						
4	COLLAR	PL	100* 10	200		0.16	C	0.16						
BLK-27							C	0.86						
Cable Rack Holes							C	38.70						
Main Girder							A	20841.74	B	572.68	C	42214.75	D	10587.70
							G	26.00	K	9.76	M	66.40		
Bago Bridge							A	20841.74	B	572.68	C	42214.75	D	10587.70
							G	26.00	K	9.76	M	66.40		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ1(EJ52) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ1(EJ52) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ1(EJ52) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24											
1	U-COV	PL	120* 6	460		0.11														
1	U-COV	RB	13 φ	280		0.01	A	0.01												
4	U-COV	BN	M 12* 35			0.01													1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45										
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53										
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49										
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81										
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47										
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02										
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99										
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20												
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05										
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23										
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51										
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95										
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22										
4	B-SPL	HTB	M 22* 75			0.03	I	0.03												
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40										
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08												
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25						
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	1.30	M	8.33										
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00						
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	5.20	M	33.32										

Bago Brdge Main Girder Transverse Joints EJ1(EJ52) YSJ3-YSJ4(YSJ5-YSJ6)																			
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks						
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33									
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06											
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19							
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24									
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77									
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26									
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20									
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34									
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79									
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16											
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80					
4@ YSJ3-YSJ4(YSJ5-YSJ6)							M	4.54											
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20					

Painting Calculation

(Unit : mm,m²)

	M	18.16				
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Bago Brdge Main Girder Transverse Joints EJ1(EJ52) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ1(EJ52)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ2(EJ51) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ2(EJ51) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ2(EJ51) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01								1-W,Plating
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	8.33				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	33.32				

Bago Brdge Main Girder Transverse Joints EJ2(EJ51) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
							M	4.54						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ2(EJ51) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ2(EJ51)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ3(EJ50) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ3(EJ50) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ3(EJ50) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24										
1	U-COV	PL	120* 6	460		0.11													
1	U-COV	RB	13 φ	280		0.01	A	0.01											
4	U-COV	BN	M 12* 35			0.01													1-W,Plating
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45									
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53									
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49									
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81									
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47									
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02									
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99									
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20											
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05									
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23									
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51									
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95									
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22									
4	B-SPL	HTB	M 22* 75			0.03	I	0.03											
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40									
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08											
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25					
							K	1.30	M	8.33									
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00					
							K	5.20	M	33.32									

Bago Brdge Main Girder Transverse Joints EJ3(EJ50) YSJ3-YSJ4(YSJ5-YSJ6)																			
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks						
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33									
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06											
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19							
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24									
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77									
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26									
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20									
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34									
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79									
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16											
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80					
							M	4.54											
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20					

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ3(EJ50) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ3(EJ50)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ4(EJ49) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ4(EJ49) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ4(EJ49) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24							
1	U-COV	PL	120* 6	460		0.11										
1	U-COV	RB	13 φ	280		0.01	A	0.01								
4	U-COV	BN	M 12* 35			0.01									1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45						
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53						
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49						
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81						
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47						
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02						
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99						
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20								
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05						
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23						
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51						
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95						
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22						
4	B-SPL	HTB	M 22* 75			0.03	I	0.03								
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40						
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08								
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	1.30	M	8.33						
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	5.20	M	33.32						

Bago Brdge Main Girder Transverse Joints EJ4(EJ49) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19		
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
4@ YSJ3-YSJ4(YSJ5-YSJ6)							M	4.54						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ4(EJ49) YSJ4-YSJ5

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ4(EJ49)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ5(EJ48) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ5(EJ48) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ5(EJ48) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	8.33				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	33.32				

Bago Brdge Main Girder Transverse Joints EJ5(EJ48) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
							M	4.54						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ5(EJ48) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ5(EJ48)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ6(EJ47) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ6(EJ47) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ6(EJ47) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
1	B-FILL	PL	1480* 3.2	155		0.46	M	0.46						
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	8.79				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	35.16				

Bago Brdge Main Girder Transverse Joints EJ6(EJ47) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
1	B-FILL	PL	1870* 3.2	155		0.58	M	0.58						
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80

Painting Calculation

(Unit : mm,m²)

	M	5.12						
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.40	G	6.68	I	0.28	K	3.20
	M	20.48						

Bago Brdge Main Girder Transverse Joints EJ6(EJ47) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
1	B-FILL	PL	2990* 3.2	155		0.93	M	0.93						
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	14.80						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	29.60						
EJ6(EJ47)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	97.88				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ7(EJ46) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ7(EJ46) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ7(EJ46) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	8.33				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	33.32				

Bago Brdge Main Girder Transverse Joints EJ7(EJ46) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
							M	4.54						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ7(EJ46) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ7(EJ46)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ8(EJ45) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ8(EJ45) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ8(EJ45) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	8.33				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	33.32				

Bago Brdge Main Girder Transverse Joints EJ8(EJ45) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
							M	4.54						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ8(EJ45) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ8(EJ45)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ9(EJ44) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ9(EJ44) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ9(EJ44) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24									
1	U-COV	PL	120* 6	460		0.11												
1	U-COV	RB	13 φ	280		0.01	A	0.01										
4	U-COV	BN	M 12* 35			0.01												1-W,Plating
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45								
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53								
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49								
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81								
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47								
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02								
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99								
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20										
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05								
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23								
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51								
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95								
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22								
4	B-SPL	HTB	M 22* 75			0.03	I	0.03										
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40								
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08										
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	1.30	M	8.33								
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	5.20	M	33.32								

Bago Brdge Main Girder Transverse Joints EJ9(EJ44) YSJ3-YSJ4(YSJ5-YSJ6)																		
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks					
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33								
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06										
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19						
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24								
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77								
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26								
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20								
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34								
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79								
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16										
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80				
4@ YSJ3-YSJ4(YSJ5-YSJ6)							M	4.54										
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20				

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ9(EJ44) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ9(EJ44)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ10(EJ43) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ10(EJ43) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ10(EJ43) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24							
1	U-COV	PL	120* 6	460		0.11										
1	U-COV	RB	13 φ	280		0.01	A	0.01								
4	U-COV	BN	M 12* 35			0.01									1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45						
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53						
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49						
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81						
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47						
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02						
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99						
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20								
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05						
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23						
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51						
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95						
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22						
4	B-SPL	HTB	M 22* 75			0.03	I	0.03								
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40						
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08								
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	1.30	M	8.33						
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00		
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	5.20	M	33.32						

Bago Brdge Main Girder Transverse Joints EJ10(EJ43) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
4@ YSJ3-YSJ4(YSJ5-YSJ6)							M	4.54						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ10(EJ43) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ10(EJ43)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ11(EJ42) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ11(EJ42) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ11(EJ42) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24									
1	U-COV	PL	120* 6	460		0.11												
1	U-COV	RB	13 φ	280		0.01	A	0.01										
4	U-COV	BN	M 12* 35			0.01											1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45								
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53								
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49								
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81								
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47								
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02								
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99								
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20										
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05								
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23								
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51								
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95								
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22								
4	B-SPL	HTB	M 22* 75			0.03	I	0.03										
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40								
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08										
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	1.30	M	8.33								
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							K	5.20	M	33.32								

Bago Brdge Main Girder Transverse Joints EJ11(EJ42) YSJ3-YSJ4(YSJ5-YSJ6)																	
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks				
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33							
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06									
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19					
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24							
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77							
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26							
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20							
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34							
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79							
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16									
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80			
4@ YSJ3-YSJ4(YSJ5-YSJ6)							M	4.54									
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20			

Painting Calculation

(Unit : mm,m²)

	M	18.16							
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Bago Brdge Main Girder Transverse Joints EJ11(EJ42) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	13.87						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	27.74						
EJ11(EJ42)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	91.86				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ12(EJ41) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ12(EJ41) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ12(EJ41) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
1	OW-FILL	PL	350* 3.2	155		0.11	M	0.11						
1	OW-FILL	PL	2388* 3.2	155		0.74	M	0.74						
112	OW-SPL	TCB	M 22* 75			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 80			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
10	STF-FILL	PL	80* 2.3	305		0.49	M	0.49						
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
1	B-FILL	PL	1480* 4.5	155		0.46	M	0.46						
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
4	BR-FILL	PL	80* 2.3	305		0.20	M	0.20						
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	10.33				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	41.32				

Bago Brdge Main Girder Transverse Joints EJ12(EJ41) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19		
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
1	B-FILL	PL	1870* 4.5	155		0.58	M	0.58						
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				

Painting Calculation

(Unit : mm,m²)

8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
8	BR-FILL	PL	80* 2.3	305		0.39	M	0.39						
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
							M	5.51						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20
							M	22.04						

Bago Brdge Main Girder Transverse Joints EJ12(EJ41) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area							Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
1	IW-FILL	PL	2540* 4.5	155		0.79	M	0.79						
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 75			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
16	STF-FILL	PL	80* 2.3	305		0.78	M	0.78						
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
1	B-FILL	PL	2990* 4.5	155		0.93	M	0.93						
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
12	BR-FILL	PL	80* 2.3	305		0.59	M	0.59						
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	16.96						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	33.92						
EJ12(EJ41)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	109.92				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ13(EJ40) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ13(EJ40) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ13(EJ40) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 10	470		0.66	E	0.33	M	0.66				
1	OW-SPL-O	PL	2388* 10	470		2.24	E	1.12	M	2.24				
2	OW-SPL-I	PL	380* 12	470		0.71	G	0.36	M	0.71				
3	OW-SPL-I	PL	420* 12	470		1.18	G	0.59	M	1.18				
168	OW-SPL	TCB	M 22* 75			0.85	I	0.14	K	0.71				
6	OW-SPL	HTB	M 22* 80			0.04	I	0.02	K	0.02				
10	STF-SPL	PL	135* 15	720		1.94	G	0.97	M	1.94				
60	STF-SPL	TCB	M 22* 85			0.30	K	0.30						
1	B-SPL-O	PL	80* 10	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 10	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 10	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 10	320		0.95	E	0.47	M	0.95				
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	135* 15	610		0.66	G	0.33	M	0.66				
20	BR-SPL	TCB	M 22* 85			0.10	K	0.10						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	2.05	G	3.49	I	0.30
							K	1.66	M	11.05				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	8.20	G	13.96	I	1.20
							K	6.64	M	44.20				

Bago Brdge Main Girder Transverse Joints EJ13(EJ40) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19		
48	U-SPL-I	TCB	M 22* 85			0.24			K	0.24				
3	B-SPL-I	PL	400* 10	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 10	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 10	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	135* 15	610		1.32	G	0.66	M	1.32				
40	BR-SPL	TCB	M 22* 85			0.20	K	0.20						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.93	I	0.07	K	0.84
							M	5.07						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	7.72	I	0.28	K	3.36

Painting Calculation

(Unit : mm,m²)

	M	20.28							
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Bago Brdge Main Girder Transverse Joints EJ13(EJ40) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 10	470		4.78	G	2.39	M	4.78				
2	IW-SPL	PL	420* 11	470		0.79	G	0.39	M	0.79				
4	IW-SPL	PL	460* 11	470		1.73	G	0.86	M	1.73				
2	IW-SPL	PL	450* 11	470		0.85	G	0.42	M	0.85				
2	IW-SPL	PL	440* 11	470		0.83	G	0.41	M	0.83				
2	IW-FILL	PL	2540* 17	235		2.39	M	2.39						
312	IW-SPL	TCB	M 22* 95			1.58	K	1.58						
16	STF-SPL	PL	135* 15	720		3.11	G	1.56	M	3.11				
96	STF-SPL	TCB	M 22* 85			0.49	K	0.49						
2	B-SPL-I	PL	185* 10	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 10	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 10	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 10	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	135* 15	610		1.98	G	0.99	M	1.98				
60	BR-SPL	TCB	M 22* 85			0.30	K	0.30						
YSJ4-YSJ5							E	0.96	G	8.55	I	0.10	K	3.14
							M	21.43						
2@ YSJ4-YSJ5							E	1.92	G	17.10	I	0.20	K	6.28
							M	42.86						
EJ13(EJ40)							A	0.32	E	16.48	G	41.18	I	3.84
							K	16.64	M	119.98				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ14(EJ39) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ14(EJ39) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ14(EJ39) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 10	470		0.66	E	0.33	M	0.66				
1	OW-SPL-O	PL	2388* 10	470		2.24	E	1.12	M	2.24				
2	OW-SPL-I	PL	380* 12	470		0.71	G	0.36	M	0.71				
3	OW-SPL-I	PL	420* 12	470		1.18	G	0.59	M	1.18				
168	OW-SPL	TCB	M 22* 75			0.85	I	0.14	K	0.71				
6	OW-SPL	HTB	M 22* 80			0.04	I	0.02	K	0.02				
10	STF-SPL	PL	135* 15	720		1.94	G	0.97	M	1.94				
60	STF-SPL	TCB	M 22* 85			0.30	K	0.30						
1	B-SPL-O	PL	80* 10	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 10	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 10	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 10	320		0.95	E	0.47	M	0.95				
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	135* 15	610		0.66	G	0.33	M	0.66				
20	BR-SPL	TCB	M 22* 85			0.10	K	0.10						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	2.05	G	3.49	I	0.30
							K	1.66	M	11.05				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	8.20	G	13.96	I	1.20
							K	6.64	M	44.20				

Bago Brdge Main Girder Transverse Joints EJ14(EJ39) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 10	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 10	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 10	320		1.20	E	0.60	M	1.20				
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				
8	BR-SPL	PL	135* 15	610		1.32	G	0.66	M	1.32				
40	BR-SPL	TCB	M 22* 85			0.20	K	0.20						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.93	I	0.07	K	0.84
							M	5.07						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	7.72	I	0.28	K	3.36

Painting Calculation

(Unit : mm,m²)

	M	20.28							
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Bago Brdge Main Girder Transverse Joints EJ14(EJ39) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 10	470		4.78	G	2.39	M	4.78				
2	IW-SPL	PL	420* 11	470		0.79	G	0.39	M	0.79				
4	IW-SPL	PL	460* 11	470		1.73	G	0.86	M	1.73				
2	IW-SPL	PL	450* 11	470		0.85	G	0.42	M	0.85				
2	IW-SPL	PL	440* 11	470		0.83	G	0.41	M	0.83				
2	IW-FILL	PL	2540* 17	235		2.39	M	2.39						
312	IW-SPL	TCB	M 22* 95			1.58	K	1.58						
16	STF-SPL	PL	135* 15	720		3.11	G	1.56	M	3.11				
96	STF-SPL	TCB	M 22* 85			0.49	K	0.49						
2	B-SPL-I	PL	185* 10	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 10	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 10	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 10	320		1.91	E	0.96	M	1.91				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	135* 15	610		1.98	G	0.99	M	1.98				
60	BR-SPL	TCB	M 22* 85			0.30	K	0.30						
YSJ4-YSJ5							E	0.96	G	8.55	I	0.10	K	3.14
							M	21.43						
2@ YSJ4-YSJ5							E	1.92	G	17.10	I	0.20	K	6.28
							M	42.86						
EJ14(EJ39)							A	0.32	E	16.48	G	41.18	I	3.84
							K	16.64	M	119.98				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ15(EJ38) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ15(EJ38) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ15(EJ38) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
1	OW-FILL	PL	350* 3.2	155		0.11	M	0.11						
1	OW-FILL	PL	2388* 3.2	155		0.74	M	0.74						
112	OW-SPL	TCB	M 22* 75			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 80			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
10	STF-FILL	PL	80* 2.3	305		0.49	M	0.49						
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
2	B-SPL-I	PL	400* 9	320		0.51	G	0.26	M	0.51				
1	B-SPL-O	PL	1480* 9	320		0.95	E	0.47	M	0.95				
1	B-FILL	PL	1480* 4.5	155		0.46	M	0.46						
52	B-SPL	TCB	M 22* 70			0.26	I	0.04	K	0.22				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
4	BR-FILL	PL	80* 2.3	305		0.20	M	0.20						
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.58	G	2.58	I	0.25
							K	1.30	M	10.33				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.32	G	10.32	I	1.00
							K	5.20	M	41.32				

Bago Brdge Main Girder Transverse Joints EJ15(EJ38) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	405* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-O	PL	1870* 9	320		1.20	E	0.60	M	1.20				
1	B-FILL	PL	1870* 4.5	155		0.58	M	0.58						
80	B-SPL	TCB	M 22* 70			0.40	I	0.07	K	0.34				

Painting Calculation

(Unit : mm,m²)

8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
8	BR-FILL	PL	80* 2.3	305		0.39	M	0.39						
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.60	G	1.67	I	0.07	K	0.80
							M	5.51						
4@ YSJ3-YSJ4(YSJ5-YSJ6)							E	2.40	G	6.68	I	0.28	K	3.20
							M	22.04						

Bago Brdge Main Girder Transverse Joints EJ15(EJ38) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
1	IW-FILL	PL	2540* 4.5	155		0.79	M	0.79						
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 75			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
16	STF-FILL	PL	80* 2.3	305		0.78	M	0.78						
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2990* 9	320		1.91	E	0.96	M	1.91				
1	B-FILL	PL	2990* 4.5	155		0.93	M	0.93						
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
12	BR-FILL	PL	80* 2.3	305		0.59	M	0.59						
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.96	G	5.98	I	0.10	K	2.34
							M	16.96						
2@ YSJ4-YSJ5							E	1.92	G	11.96	I	0.20	K	4.68
							M	33.92						
EJ15(EJ38)							A	0.32	E	14.60	G	31.36	I	3.64
							K	13.44	M	109.92				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ16(EJ37) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ16(EJ37) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ16(EJ37) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ16(EJ37) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47						
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12
	M	17.88						

Bago Brdge Main Girder Transverse Joints EJ16(EJ37) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks				
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ16(EJ37)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ17(EJ36) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ17(EJ36) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ17(EJ36) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ17(EJ36) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ17(EJ36) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10			
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24			
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54			
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83			
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13			
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52			
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5						E	1.07	G	6.03	I	0.11	K	2.37
						M	14.19						
2@ YSJ4-YSJ5						E	2.14	G	12.06	I	0.22	K	4.74
						M	28.38						
EJ17(EJ36)						A	0.32	E	14.46	G	31.06	I	3.66
						K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ18(EJ35) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ18(EJ35) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ18(EJ35) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ18(EJ35) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47						
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12
	M	17.88						

Bago Brdge Main Girder Transverse Joints EJ18(EJ35) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks				
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ18(EJ35)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ19(EJ34) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ19(EJ34) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ19(EJ34) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ19(EJ34) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47						
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12
	M	17.88						

Bago Brdge Main Girder Transverse Joints EJ19(EJ34) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks				
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ19(EJ34)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ20(EJ33) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ20(EJ33) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ20(EJ33) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bdrge Main Girder Transverse Joints EJ20(EJ33) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ20(EJ33) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks				
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ20(EJ33)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ21(EJ32) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ21(EJ32) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ21(EJ32) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ21(EJ32) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ21(EJ32) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ21(EJ32)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ22(EJ31) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ22(EJ31) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ22(EJ31) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ22(EJ31) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ22(EJ31) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ22(EJ31)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ23(EJ30) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ23(EJ30) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ23(EJ30) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bdrge Main Girder Transverse Joints EJ23(EJ30) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ23(EJ30) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10			
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24			
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54			
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83			
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13			
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52			
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5						E	1.07	G	6.03	I	0.11	K	2.37
						M	14.19						
2@ YSJ4-YSJ5						E	2.14	G	12.06	I	0.22	K	4.74
						M	28.38						
EJ23(EJ30)						A	0.32	E	14.46	G	31.06	I	3.66
						K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ24(EJ29) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ24(EJ29) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ24(EJ29) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ24(EJ29) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ24(EJ29) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks			
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10			
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24			
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54			
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83			
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13			
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52			
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5						E	1.07	G	6.03	I	0.11	K	2.37
						M	14.19						
2@ YSJ4-YSJ5						E	2.14	G	12.06	I	0.22	K	4.74
						M	28.38						
EJ24(EJ29)						A	0.32	E	14.46	G	31.06	I	3.66
						K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ25(EJ28) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ25(EJ28) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ25(EJ28) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ25(EJ28) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47						
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12
	M	17.88						

Bago Brdge Main Girder Transverse Joints EJ25(EJ28) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks				
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ25(EJ28)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ26(EJ27) LB1-YSJ1(YSJ8-RB1)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-O	PL	175* 18	470		0.33	E	0.16	M	0.33				
12	UR-SPL-O	TCB	M 22* 95			0.06	I	0.06						
8	U-SPL-O	PL	155* 19	320		0.79	E	0.20	G	0.20	M	0.79		
32	U-SPL-O	TCB	M 22* 85			0.16	I	0.13	K	0.03				
2	U-COV	PL	120* 6	460		0.22								
2	U-COV	RB	13 φ	280		0.02	A	0.02						
8	U-COV	BN	M 12* 35			0.01							1-W,Plating	
1	ST-SPL	PL	239* 16	320		0.15	E	0.08	M	0.15				
1	ST-SPL	PL	319* 16	320		0.20	E	0.10	M	0.20				
12	ST-SPL	TCB	M 22* 80			0.06	I	0.06						
2	ST-SPL	PL	80* 9	320		0.10	E	0.05	M	0.10				
4	ST-SPL	TCB	M 22* 65			0.02	I	0.02						
LB1-YSJ1(YSJ8-RB1)							A	0.02	E	0.59	G	0.20	I	0.27
							K	0.03	M	1.57				
4@ LB1-YSJ1(YSJ8-RB1)							A	0.08	E	2.36	G	0.80	I	1.08
							K	0.12	M	6.28				

Bago Brdge Main Girder Transverse Joints EJ26(EJ27) YSJ1-YSJ2(YSJ7-YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
16	U-SPL-O	PL	155* 19	320		1.59	E	0.40	G	0.40	M	1.59		
64	U-SPL-O	TCB	M 22* 85			0.32	I	0.27	K	0.06				
4	U-COV	PL	120* 6	460		0.44								
4	U-COV	RB	13 φ	280		0.05	A	0.05						
16	U-COV	BN	M 12* 35			0.02							1-W,Plating	
YSJ1-YSJ2(YSJ7-YSJ8)							A	0.05	E	0.40	G	0.40	I	0.27
							K	0.06	M	1.59				
4@ YSJ1-YSJ2(YSJ7-YSJ8)							A	0.20	E	1.60	G	1.60	I	1.08
							K	0.24	M	6.36				

Bago Brdge Main Girder Transverse Joints EJ26(EJ27) YSJ2-YSJ3(YSJ6-YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33			
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06					
4	U-SPL-O	PL	155* 19	320		0.40	E	0.10	G	0.10	M	0.40	
16	U-SPL-O	TCB	M 22* 85			0.08	I	0.07	K	0.01			
12	U-SPL-I	PL	155* 19	320		1.19			G	0.60	M	1.19	

Painting Calculation

(Unit : mm,m²)

48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	U-COV	PL	120* 6	460		0.11								
1	U-COV	RB	13 φ	280		0.01	A	0.01						
4	U-COV	BN	M 12* 35			0.01							1-W,Plating	
2	OW-SPL-O	PL	350* 9	320		0.45	E	0.22	M	0.45				
1	OW-SPL-O	PL	2388* 9	320		1.53	E	0.76	M	1.53				
2	OW-SPL-I	PL	380* 10	320		0.49	G	0.24	M	0.49				
3	OW-SPL-I	PL	420* 10	320		0.81	G	0.40	M	0.81				
112	OW-SPL	TCB	M 22* 70			0.57	I	0.10	K	0.47				
4	OW-SPL	HTB	M 22* 75			0.03	I	0.01	K	0.02				
10	STF-SPL	PL	80* 15	620		0.99	G	0.50	M	0.99				
40	STF-SPL	TCB	M 22* 85			0.20	K	0.20						
1	B-SPL-O	PL	80* 9	320		0.05	E	0.03	M	0.05				
1	B-SPL-I	PL	360* 9	320		0.23	G	0.12	M	0.23				
1	B-SPL-I	PL	400* 9	320		0.26	G	0.13	M	0.26				
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	1210* 9	320		0.77	E	0.39	M	0.77				
44	B-SPL	TCB	M 22* 70			0.22	I	0.04	K	0.18				
4	B-SPL	HTB	M 22* 75			0.03	I	0.03						
4	BR-SPL	PL	80* 15	620		0.40	G	0.20	M	0.40				
16	BR-SPL	TCB	M 22* 85			0.08	K	0.08						
YSJ2-YSJ3(YSJ6-YSJ7)							A	0.01	E	1.50	G	2.50	I	0.25
							K	1.26	M	8.00				
4@ YSJ2-YSJ3(YSJ6-YSJ7)							A	0.04	E	6.00	G	10.00	I	1.00
							K	5.04	M	32.00				

Bago Bidge Main Girder Transverse Joints EJ26(EJ27) YSJ3-YSJ4(YSJ5-YSJ6)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	UR-SPL-I	PL	175* 18	470		0.33	G	0.16	M	0.33				
12	UR-SPL-I	TCB	M 22* 95			0.06	K	0.06						
12	U-SPL-I	PL	155* 19	320		1.19		G	0.60	M	1.19			
48	U-SPL-I	TCB	M 22* 85			0.24		K	0.24					
1	B-SPL-I	PL	160* 9	320		0.10	G	0.05	M	0.10				
3	B-SPL-I	PL	400* 9	320		0.77	G	0.38	M	0.77				
1	B-SPL-I	PL	190* 9	320		0.12	G	0.06	M	0.12				
1	B-SPL-O	PL	1830* 9	320		1.17	E	0.59	M	1.17				
76	B-SPL	TCB	M 22* 70			0.38	I	0.07	K	0.32				
8	BR-SPL	PL	80* 15	620		0.79	G	0.40	M	0.79				
32	BR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ3-YSJ4(YSJ5-YSJ6)							E	0.59	G	1.65	I	0.07	K	0.78

Painting Calculation

(Unit : mm,m²)

	M	4.47							
4@ YSJ3-YSJ4(YSJ5-YSJ6)	E	2.36	G	6.60	I	0.28	K	3.12	
	M	17.88							

Bago Brdge Main Girder Transverse Joints EJ26(EJ27) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area			Remarks				
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	80* 9	320		0.10	G	0.05	M	0.10				
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	3330* 9	320		2.13	E	1.07	M	2.13				
124	B-SPL	TCB	M 22* 70			0.63	I	0.11	K	0.52				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	1.07	G	6.03	I	0.11	K	2.37
							M	14.19						
2@ YSJ4-YSJ5							E	2.14	G	12.06	I	0.22	K	4.74
							M	28.38						
EJ26(EJ27)							A	0.32	E	14.46	G	31.06	I	3.66
							K	13.26	M	90.90				
Main Girder Transverse Joints							A	8.32	E	381.82	G	831.70	I	95.26
							K	353.86	M	2476.18				
Bago Brdge							A	8.32	E	381.82	G	831.70	I	95.26
							K	353.86	M	2476.18				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ1EM(EJ51EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ1EM(EJ51EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ2EM(EJ50EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ2EM(EJ50EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ3EM(EJ49EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ3EM(EJ49EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ4EM(EJ48EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ4EM(EJ48EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ5EM(EJ47EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ5EM(EJ47EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ6EM(EJ46EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
1	B-FILL	PL	2930* 3.2	155		0.91	M	0.91						
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	14.75						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	29.50						
EJ6EM(EJ46EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	29.50						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ7EM(EJ45EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ7EM(EJ45EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ8EM(EJ44EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ8EM(EJ44EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ9EM(EJ43EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ9EM(EJ43EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints EJ10EM(EJ42EM) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
2	B-SPL-I	PL	185* 9	320		0.24	G	0.12	M	0.24				
2	B-SPL-I	PL	420* 9	320		0.54	G	0.27	M	0.54				
3	B-SPL-I	PL	430* 9	320		0.83	G	0.41	M	0.83				
1	B-SPL-O	PL	2930* 9	320		1.88	E	0.94	M	1.88				
116	B-SPL	TCB	M 22* 70			0.59	I	0.10	K	0.49				
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							E	0.94	G	5.98	I	0.10	K	2.34
							M	13.84						
2@ YSJ4-YSJ5							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						
EJ10EM(EJ42EM)							E	1.88	G	11.96	I	0.20	K	4.68
							M	27.68						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ16(YJ36) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ16(YJ36)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ17(YJ35) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ17(YJ35)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ18(YJ34) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ18(YJ34)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ19(YJ33) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ19(YJ33)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ20(YJ32) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ20(YJ32)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ21(YJ31) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ21(YJ31)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ22(YJ30) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ22(YJ30)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ23(YJ29) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ23(YJ29)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ24(YJ28) YSJ4-YSJ5													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66			
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12					
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79			
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16					
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25			
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54			
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77			
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56			
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01					
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59			
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32					
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19			
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24					
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35	
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70	
YJ24(YJ28)							G	10.36	K	3.70	M	20.70	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Transverse Joints YJ25(YJ27) YSJ4-YSJ5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
4	UR-SPL-I	PL	175* 18	470		0.66	G	0.33	M	0.66				
24	UR-SPL-I	TCB	M 22* 95			0.12	K	0.12						
8	UR-SPL-I	PL	155* 14	320		0.79	G	0.40	M	0.79				
32	UR-SPL-I	TCB	M 22* 85			0.16	K	0.16						
2	IW-SPL	PL	2540* 9	320		3.25	G	1.63	M	3.25				
2	IW-SPL	PL	420* 9	320		0.54	G	0.27	M	0.54				
6	IW-SPL	PL	460* 9	320		1.77	G	0.88	M	1.77				
2	IW-SPL	PL	440* 9	320		0.56	G	0.28	M	0.56				
200	IW-SPL	TCB	M 22* 70			1.01	K	1.01						
16	STF-SPL	PL	80* 15	620		1.59	G	0.79	M	1.59				
64	STF-SPL	TCB	M 22* 85			0.32	K	0.32						
12	BR-SPL	PL	80* 15	620		1.19	G	0.60	M	1.19				
48	BR-SPL	TCB	M 22* 85			0.24	K	0.24						
YSJ4-YSJ5							G	5.18	K	1.85	M	10.35		
2@ YSJ4-YSJ5							G	10.36	K	3.70	M	20.70		
YJ25(YJ27)							G	10.36	K	3.70	M	20.70		
Main Girder Transverse Joints							E	18.80	G	223.20	I	2.00	K	83.80
							M	485.62						
Bago Brdge							E	18.80	G	223.20	I	2.00	K	83.80
							M	485.62						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-1(BLK-53) YSJ1(YSJ8)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	BRW-SPL	PL	598* 9	315		0.75	F	0.38	M	0.75				
24	BRW-SPL	TCB	M 22* 65			0.12	J	0.12						
2	BRF-SPL	PL	305* 9	315		0.38	F	0.19	M	0.38				
16	BRF-SPL	TCB	M 22* 70			0.08	J	0.08						
2	BRE-SPL	PL	314* 9	165		0.21	F	0.05	H	0.05	M	0.21		
8	BRE-SPL	TCB	M 22* 65			0.04	J	0.03	L	0.01				
2	BRW-SPL	PL	598* 9	315		0.75	F	0.38	M	0.75				
24	BRW-SPL	TCB	M 22* 65			0.12	J	0.12						
2	BRF-SPL	PL	155* 9	315		0.20	F	0.10	M	0.20				
1	BRF-SPL	PL	360* 9	315		0.23	F	0.11	M	0.23				
16	BRF-SPL	TCB	M 22* 70			0.08	J	0.08						
YSJ1(YSJ8)							F	1.21	H	0.05	J	0.43	L	0.01
							M	2.52						
4@ YSJ1(YSJ8)							F	4.84	H	0.20	J	1.72	L	0.04
							M	10.08						

Bago Brdge Main Girder Longitudinal Joints BLK-1(BLK-53) YSJ2(YSJ7)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
2	BRW-SPL	PL	1086* 9	465		2.02	F	1.01	M	2.02				
64	BRW-SPL	TCB	M 22* 65			0.32	J	0.32						
2	BRF-SPL	PL	305* 9	315		0.38	F	0.19	M	0.38				
16	BRF-SPL	TCB	M 22* 70			0.08	J	0.08						
2	BRE-SPL	PL	314* 9	165		0.21	F	0.05	H	0.05	M	0.21		
8	BRE-SPL	TCB	M 22* 65			0.04	J	0.03	L	0.01				
2	BRW-SPL	PL	1086* 9	465		2.02	F	1.01	M	2.02				
64	BRW-SPL	TCB	M 22* 65			0.32	J	0.32						
2	BRF-SPL	PL	155* 9	315		0.20	F	0.10	M	0.20				
1	BRF-SPL	PL	360* 9	315		0.23	F	0.11	M	0.23				
16	BRF-SPL	TCB	M 22* 70			0.08	J	0.08						
YSJ2(YSJ7)							F	2.47	H	0.05	J	0.83	L	0.01
							M	5.06						
4@ YSJ2(YSJ7)							F	9.88	H	0.20	J	3.32	L	0.04
							M	20.24						

Bago Brdge Main Girder Longitudinal Joints BLK-1(BLK-53) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks

Painting Calculation

(Unit : mm,m²)

10	RIB-SPL	PL	180* 16	470		1.69	G	0.85	M	1.69				
60	RIB-SPL	TCB	M 22* 90			0.30	K	0.30						
2	BW-SPL	PL	2080* 9	465		3.87	G	1.93	M	3.87				
134	BW-SPL	TCB	M 22* 70			0.68	K	0.68						
2	BE-SPL	PL	314* 9	315		0.40	G	0.10	H	0.10	M	0.40		
16	BE-SPL	TCB	M 22* 65			0.08	K	0.07	L	0.01				
2	BW-SPL	PL	2530* 9	465		4.71	G	2.35	M	4.71				
132	BW-SPL	TCB	M 22* 70			0.67	K	0.67						
1	BF-SPL	PL	2735* 9	320		1.75	F	0.88	M	1.75				
1	BF-SPL	PL	280* 10	320		0.18	G	0.09	M	0.18				
3	BF-SPL	PL	330* 10	320		0.63	G	0.32	M	0.63				
1	BF-SPL	PL	380* 10	320		0.24	G	0.12	M	0.24				
1	BF-SPL	PL	725* 10	320		0.46	G	0.23	M	0.46				
124	BF-SPL	TCB	M 22* 70			0.63	K	0.52	J	0.11				
8	BFR-SPL	PL	110* 15	770		1.36	G	0.68	M	1.36				
32	BFR-SPL	TCB	M 22* 85			0.16	K	0.16						
YSJ4(YSJ5)							F	0.88	G	6.67	H	0.10	J	0.11
							K	2.40	L	0.01	M	15.29		
4@ YSJ4(YSJ5)							F	3.52	G	26.68	H	0.40	J	0.44
							K	9.60	L	0.04	M	61.16		
BLK-1(BLK-53)							F	18.24	G	26.68	H	0.80	J	5.48
							K	9.60	L	0.12	M	91.48		

Painting Calculation

(Unit : mm, m²)

Bago Brdge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 70			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-2(BLK-52) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 70			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-2(BLK-52)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 70			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-3(BLK-51) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 70			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-3(BLK-51)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 70			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-4(BLK-50) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 70			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-4(BLK-50)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 70			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65			0.08	K	0.08						
YSJ3(YSJ6)							E	2.16	G	7.24	I	0.14	K	2.41
							M	18.82						
4@ YSJ3(YSJ6)							E	8.64	G	28.96	I	0.56	K	9.64
							M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-5(BLK-49) YSJ4(YSJ5)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area							Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18				
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18				
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45				
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64				
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74				
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19				
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25				
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47				
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41				
168	B-SPL	TCB	M 22* 70			0.85	I	0.14	K	0.71				
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99				
200	D-SPL	TCB	M 22* 65			1.01	K	1.01						
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44				
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22						
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08						
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03				
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20						
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14						
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08						
YSJ4(YSJ5)							E	2.16	G	6.80	I	0.14	K	2.30
							M	18.09						
4@ YSJ4(YSJ5)							E	8.64	G	27.20	I	0.56	K	9.20
							M	72.36						
BLK-5(BLK-49)							E	38.04	G	56.16	I	8.24	K	18.84
							M	189.16						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 70			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm, m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-6(BLK-48) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 70			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-6(BLK-48)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm, m²)

Bago Brdge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-7(BLK-47) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 65			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-7(BLK-47)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm, m²)

Bago Brdge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-8(BLK-46) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 65			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-8(BLK-46)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-9(BLK-45) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 65			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-9(BLK-45)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm, m²)

Bago Brdge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-10(BLK-44) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 65			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-10(BLK-44)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm, m²)

Bago Brdge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-11(BLK-43) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
2	B-SPL-I	PL	250* 9	2180		2.18	G	1.09	M	2.18			
1	B-SPL-I	PL	250* 9	900		0.45	G	0.23	M	0.45			
1	B-SPL-I	PL	250* 9	1270		0.64	G	0.32	M	0.64			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	930		0.47	E	0.23	M	0.47			
1	B-SPL-O	PL	250* 9	2825		1.41	E	0.71	M	1.41			
168	B-SPL	TCB	M 22* 65			0.85	I	0.14	K	0.71			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.30
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.20
						M	72.36						
BLK-11(BLK-43)						E	38.04	G	56.16	I	8.24	K	18.84
						M	189.16						

Painting Calculation

(Unit : mm, m²)

Bago Brdge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65			0.08	K	0.08						
YSJ3(YSJ6)							E	2.16	G	7.24	I	0.14	K	2.41
							M	18.82						
4@ YSJ3(YSJ6)							E	8.64	G	28.96	I	0.56	K	9.64
							M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-12(BLK-42) YSJ4(YSJ5)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18				
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27				
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74				
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19				
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25				
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88				
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70				
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99				
200	D-SPL	TCB	M 22* 65			1.01	K	1.01						
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44				
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22						
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08						
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03				
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20						
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14						
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08						
YSJ4(YSJ5)							E	2.16	G	6.80	I	0.14	K	2.29
							M	18.09						
4@ YSJ4(YSJ5)							E	8.64	G	27.20	I	0.56	K	9.16
							M	72.36						
BLK-12(BLK-42)							E	38.04	G	56.16	I	8.24	K	18.80
							M	189.16						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
1	B-SPL-I	PL	250* 9	2180		1.09	G	0.55	M	1.09			
2	B-SPL-I	PL	250* 9	1763		1.76	G	0.88	M	1.76			
1	B-SPL-I	PL	250* 9	278		0.14	G	0.07	M	0.14			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4073		2.04	E	1.02	M	2.04			
1	B-SPL-O	PL	250* 9	2142		1.07	E	0.54	M	1.07			
126	B-SPL	TCB	M 22* 70			0.64	I	0.11	K	0.53			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	405* 9	315		1.02	G	0.51	M	1.02			

Painting Calculation

(Unit : mm,m²)

40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20						
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65			0.08	K	0.08						
YSJ3(YSJ6)							E	1.66	G	6.73	I	0.11	K	2.24
							M	16.77						
4@ YSJ3(YSJ6)							E	6.64	G	26.92	I	0.44	K	8.96
							M	67.08						

Bago Brdge Main Girder Longitudinal Joints BLK-13(BLK-41) YSJ4(YSJ5)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18				
1	B-SPL-I	PL	250* 9	2180		1.09	G	0.55	M	1.09				
2	B-SPL-I	PL	250* 9	1763		1.76	G	0.88	M	1.76				
1	B-SPL-I	PL	250* 9	278		0.14	G	0.07	M	0.14				
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19				
1	B-SPL-O	PL	250* 9	4073		2.04	E	1.02	M	2.04				
1	B-SPL-O	PL	250* 9	2142		1.07	E	0.54	M	1.07				
126	B-SPL	TCB	M 22* 70			0.64	I	0.11	K	0.53				
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99				
200	D-SPL	TCB	M 22* 65			1.01	K	1.01						
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44				
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22						
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08						
4	YRLW-SPL	PL	405* 9	315		1.02	G	0.51	M	1.02				
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20						
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
2	YRLF-FILL	PL	230* 10	155		0.14	M	0.14						
16	YRLF-SPL	TCB	M 22* 75			0.08	K	0.08						
YSJ4(YSJ5)							E	1.66	G	6.29	I	0.11	K	2.12
							M	16.04						
4@ YSJ4(YSJ5)							E	6.64	G	25.16	I	0.44	K	8.48
							M	64.16						
BLK-13(BLK-41)							E	34.04	G	52.08	I	8.00	K	17.44
							M	172.76						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	BRW-SPL	PL	598* 9	315		1.51	E	0.75	M	1.51			
52	BRW-SPL	TCB	M 22* 65			0.26	I	0.26					
4	BRF-SPL	PL	80* 9	315		0.20	E	0.10	M	0.20			
2	BRF-SPL	PL	230* 9	315		0.29	E	0.14	M	0.29			
16	BRF-SPL	TCB	M 22* 70			0.08	I	0.08					
YSJ1(YSJ8)							E	0.99	I	0.34	M	2.00	
4@ YSJ1(YSJ8)							E	3.96	I	1.36	M	8.00	

Bago Brdge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
4	BRF-SPL	PL	80* 9	315		0.20	E	0.10	M	0.20			
2	BRF-SPL	PL	230* 9	315		0.29	E	0.14	M	0.29			
16	BRF-SPL	TCB	M 22* 70			0.08	I	0.08					
YSJ2(YSJ7)							E	0.24	I	0.08	M	0.49	
4@ YSJ2(YSJ7)							E	0.96	I	0.32	M	1.96	

Bago Brdge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2	BF-SPL	PL	1158* 9	330		1.53	E	0.76	M	1.53			
2	BF-SPL	PL	803* 9	330		1.06	E	0.53	M	1.06			
2	BF-SPL	PL	2075* 10	330		2.74	E	1.37	M	2.74			
1	BF-SPL	PL	1120* 9	330		0.74	E	0.37	M	0.74			
1	BF-SPL	PL	1190* 10	330		0.79	E	0.39	M	0.79			
254	BF-SPL	TCB	M 22* 70			1.29	I	1.29					
4	BFR-SPL	PL	280* 9	320		0.72	E	0.36	M	0.72			
24	BFR-SPL	TCB	M 22* 65			0.12	I	0.12					
4	BFR-SPL	PL	80* 9	320		0.20	E	0.10	M	0.20			
2	BFR-SPL	PL	210* 9	320		0.27	E	0.13	M	0.27			
16	BFR-SPL	TCB	M 22* 65			0.08	I	0.08					
YSJ3(YSJ6)							E	4.01	I	1.49	M	8.05	
4@ YSJ3(YSJ6)							E	16.04	I	5.96	M	32.20	

Bago Brdge Main Girder Longitudinal Joints BLK-14(BLK-40) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks

Painting Calculation

(Unit : mm,m²)

2	BF-SPL	PL	1158* 9	330	1.53	E	0.76	M	1.53			
2	BF-SPL	PL	903* 9	330	1.19	E	0.60	M	1.19			
2	BF-SPL	PL	2175* 10	330	2.87	E	1.44	M	2.87			
1	BF-SPL	PL	920* 9	330	0.61	E	0.30	M	0.61			
1	BF-SPL	PL	990* 10	330	0.65	E	0.33	M	0.65			
254	BF-SPL	TCB	M 22* 70		1.29	I	1.29					
4	BFR-SPL	PL	280* 9	320	0.72	E	0.36	M	0.72			
24	BFR-SPL	TCB	M 22* 65		0.12	I	0.12					
4	BFR-SPL	PL	80* 9	320	0.20	E	0.10	M	0.20			
2	BFR-SPL	PL	210* 9	320	0.27	E	0.13	M	0.27			
16	BFR-SPL	TCB	M 22* 65		0.08	I	0.08					
YSJ4(YSJ5)						E	4.02	I	1.49	M	8.04	
4@ YSJ4(YSJ5)						E	16.08	I	5.96	M	32.16	
BLK-14(BLK-40)						E	37.04	I	13.60	M	74.32	

Painting Calculation

(Unit : mm,m²)

Bago Bidge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Bidge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Bidge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
1	B-SPL-I	PL	250* 9	2180		1.09	G	0.55	M	1.09			
2	B-SPL-I	PL	250* 9	1763		1.76	G	0.88	M	1.76			
1	B-SPL-I	PL	250* 9	203		0.10	G	0.05	M	0.10			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4073		2.04	E	1.02	M	2.04			
1	B-SPL-O	PL	250* 9	2067		1.03	E	0.52	M	1.03			
126	B-SPL	TCB	M 22* 70			0.64	I	0.11	K	0.53			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	405* 9	315		1.02	G	0.51	M	1.02			

Painting Calculation

(Unit : mm,m²)

40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20						
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65			0.08	K	0.08						
YSJ3(YSJ6)							E	1.64	G	6.71	I	0.11	K	2.24
							M	16.69						
4@ YSJ3(YSJ6)							E	6.56	G	26.84	I	0.44	K	8.96
							M	66.76						

Bago Brdge Main Girder Longitudinal Joints BLK-15(BLK-39) YSJ4(YSJ5)														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18				
1	B-SPL-I	PL	250* 9	2180		1.09	G	0.55	M	1.09				
2	B-SPL-I	PL	250* 9	1763		1.76	G	0.88	M	1.76				
1	B-SPL-I	PL	250* 9	203		0.10	G	0.05	M	0.10				
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19				
1	B-SPL-O	PL	250* 9	4073		2.04	E	1.02	M	2.04				
1	B-SPL-O	PL	250* 9	2067		1.03	E	0.52	M	1.03				
126	B-SPL	TCB	M 22* 70			0.64	I	0.11	K	0.53				
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99				
200	D-SPL	TCB	M 22* 65			1.01	K	1.01						
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44				
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22						
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08						
4	YRLW-SPL	PL	405* 9	315		1.02	G	0.51	M	1.02				
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20						
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29				
2	YRLF-FILL	PL	230* 10	155		0.14	M	0.14						
16	YRLF-SPL	TCB	M 22* 75			0.08	K	0.08						
YSJ4(YSJ5)							E	1.64	G	6.27	I	0.11	K	2.12
							M	15.96						
4@ YSJ4(YSJ5)							E	6.56	G	25.08	I	0.44	K	8.48
							M	63.84						
BLK-15(BLK-39)							E	33.88	G	51.92	I	8.00	K	17.44
							M	172.12						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ1(YSJ8)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	598* 9	315		3.01	E	1.51	M	3.01			
104	BRW-SPL	TCB	M 22* 65			0.53	I	0.53					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ1(YSJ8)							E	2.00	I	0.69	M	3.99	
4@ YSJ1(YSJ8)							E	8.00	I	2.76	M	15.96	

Bago Brdge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ2(YSJ7)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	BRW-SPL	PL	1073* 9	315		5.41	E	2.70	M	5.41			
184	BRW-SPL	TCB	M 22* 65			0.93	I	0.93					
8	BRF-SPL	PL	80* 9	315		0.40	E	0.20	M	0.40			
4	BRF-SPL	PL	230* 9	315		0.58	E	0.29	M	0.58			
32	BRF-SPL	TCB	M 22* 70			0.16	I	0.16					
YSJ2(YSJ7)							E	3.19	I	1.09	M	6.39	
4@ YSJ2(YSJ7)							E	12.76	I	4.36	M	25.56	

Bago Brdge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ3(YSJ6)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2529* 9	295		5.97	G	2.98	M	5.97			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	925* 9	315		2.33	G	1.17	M	2.33			
68	YRUW-SPL	TCB	M 22* 65			0.34	K	0.34					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					

Painting Calculation

(Unit : mm,m²)

4	YRLF-SPL	PL	80* 9	315	0.20	G	0.10	M	0.20				
2	YRLF-SPL	PL	230* 9	315	0.29	G	0.14	M	0.29				
16	YRLF-SPL	TCB	M 22* 65		0.08	K	0.08						
YSJ3(YSJ6)						E	2.16	G	7.24	I	0.14	K	2.41
						M	18.82						
4@ YSJ3(YSJ6)						E	8.64	G	28.96	I	0.56	K	9.64
						M	75.28						

Bago Brdge Main Girder Longitudinal Joints BLK-16(BLK-38) YSJ4(YSJ5)													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1	B-SPL-I	PL	250* 9	355		0.18	G	0.09	M	0.18			
3	B-SPL-I	PL	250* 9	2180		3.27	G	1.64	M	3.27			
1	B-SPL-I	PL	250* 9	1485		0.74	G	0.37	M	0.74			
1	B-SPL-O	PL	250* 9	385		0.19	E	0.10	M	0.19			
1	B-SPL-O	PL	250* 9	4490		2.25	E	1.12	M	2.25			
1	B-SPL-O	PL	250* 9	3765		1.88	E	0.94	M	1.88			
166	B-SPL	TCB	M 22* 65			0.84	I	0.14	K	0.70			
4	D-SPL	PL	2520* 9	297		5.99	G	2.99	M	5.99			
200	D-SPL	TCB	M 22* 65			1.01	K	1.01					
4	YRUW-SPL	PL	571* 9	315		1.44	G	0.72	M	1.44			
44	YRUW-SPL	TCB	M 22* 65			0.22	K	0.22					
4	YRUF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRUF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
16	YRUF-SPL	TCB	M 22* 65			0.08	K	0.08					
4	YRLW-SPL	PL	407* 9	315		1.03	G	0.51	M	1.03			
40	YRLW-SPL	TCB	M 22* 65			0.20	K	0.20					
4	YRLF-SPL	PL	80* 9	315		0.20	G	0.10	M	0.20			
2	YRLF-SPL	PL	230* 9	315		0.29	G	0.14	M	0.29			
2	YRLF-FILL	PL	230* 6	155		0.14	M	0.14					
16	YRLF-SPL	TCB	M 22* 70			0.08	K	0.08					
YSJ4(YSJ5)						E	2.16	G	6.80	I	0.14	K	2.29
						M	18.09						
4@ YSJ4(YSJ5)						E	8.64	G	27.20	I	0.56	K	9.16
						M	72.36						
BLK-16(BLK-38)						E	38.04	G	56.16	I	8.24	K	18.80
						M	189.16						
Main Girder Longitudinal Joints						E	561.44	F	18.24	G	804.60	H	0.80
						I	128.48	J	5.48	K	270.48	L	0.12

Painting Calculation

(Unit : mm,m²)

	M	2780.60						
Bago Brdge	E	561.44	F	18.24	G	804.60	H	0.80
	I	128.48	J	5.48	K	270.48	L	0.12
	M	2780.60						

Painting Calculation

(Unit : mm,m²)

Bago Brdge Main Girder Horizontal Joints HJ-14													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
8	W-SPL	PL	320* 18	1088		5.57	G	2.79	M	5.57			
176	W-SPL	TCB	M 22* 110			0.89	K	0.89					
2	W-SPL	PL	830* 18	2885		9.58	G	4.79	M	9.58			
8	W-SPL	PL	830* 18	415		5.51	G	2.76	M	5.51			
4	W-SPL	PL	830* 18	403		2.68	G	1.34	M	2.68			
864	W-SPL	TCB	M 22* 110			4.37	K	4.37					
8	W-SPL	PL	434* 18	355		2.47	G	1.23	M	2.47			
4	W-SPL	PL	830* 18	620		4.12	G	2.06	M	4.12			
2	W-SPL	PL	830* 18	740		2.46	G	1.23	M	2.46			
2	W-SPL	PL	830* 18	2300		7.64	G	3.82	M	7.64			
792	W-SPL	TCB	M 22* 110			4.01	K	4.01					
4	D-SPL	PL	840* 23	850		5.71	G	2.86	M	5.71			
8	D-SPL	PL	840* 23	830		11.16	G	5.58	M	11.16			
792	D-SPL	TCB	M 22* 130			4.01	K	4.01					
4	D-SPL	PL	840* 23	750		5.04	G	2.52	M	5.04			
8	D-SPL	PL	840* 23	630		8.47	G	4.23	M	8.47			
672	D-SPL	TCB	M 22* 130			3.40	K	3.40					
HJ-14							G	35.21	K	16.68	M	70.41	
2@ HJ-14							G	70.42	K	33.36	M	140.82	
Main Girder Horizontal Joints							G	70.42	K	33.36	M	140.82	
Bago Brdge							G	70.42	K	33.36	M	140.82	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Rocking Bearing on Side Pier												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	TOP	PL	250* 22	1100		1.10	B	1.10				
2	TOP	PL	300* 22	1000		1.20	B	1.20				
2	WEB	PL	1470* 22	1400		8.23	B	8.23				
4	INSIDE	PL	550* 22	550		2.42						
2	BASE	PL	250* 22	1100		1.10	B	1.10				
2	RIB	PL	578* 22	1400		3.24	B	1.62				
8	RIB	PL	213* 22	1400		4.77	B	2.39				
4	RIB	PL	235* 22	1400		2.63	B	1.32				
8		PL	100* 10	1400		2.24	B	1.12				
2		PL	100* 22	1000		0.40	B	0.40				
							B	18.48				
on Side Pier							B	73.92				
4@ on Side Pier												
Rocking Bearing							B	73.92				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Anchor Bolt on Side Pier													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
8	Anchor Bolt	ANCB	M 64	3100									
32	Type-1	NUT	M 64										
8	Type-3	NUT	M 64										
32		PLWS	140 ϕ * 80 (ϕ)	22									
16	WASHER	PL	58* 6	115		0.21							
on Side Pier													
4@ on Side Pier													
Anchor Bolt													

Painting Calculation

(Unit : mm,m²)

Bago Brdge Anchor Frame on Side Pier														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks		
8	FLG	PL	250* 22	1100		4.40								
8	FLG	PL	250* 22	1000		4.00								
8	WEB	PL	250* 9	1080		4.32								
8	WEB	PL	250* 9	1122		4.49								
40	RIB	PL	110* 9	250		2.20								
48	RIB	PL	51* 9	250		1.22								
4		L	75* 75* 9	500		0.58								
2		L	75* 75* 9	750		0.44								
2		L	75* 75* 9	470		0.26								
4	GUSS	PL	300* 9	150		0.36								
4	GUSS	PL	250* 9	150		0.30								
2	FLG	PL	590* 22	1190		2.81	B	2.81						
2	FLG	PL	590* 22	600		1.42	B	1.42						
1	WEB	PL	416* 22	1190		0.99	B	0.99						
1	WEB	PL	416* 22	600		0.50	B	0.50						
2	SPL	PL	580* 12	470		1.09	F	0.55	M	1.09				
4	SPL	PL	250* 14	470		0.94	F	0.47	M	0.94				
72	SPL	TCB	M 22* 85			0.36	J	0.36						
2	SPL	PL	340* 15	470		0.64	F	0.32	M	0.64				
18	SPL	TCB	M 22* 90			0.09	J	0.09						
on Side Pier							B	5.72	F	1.34	J	0.45	M	2.67
4@ on Side Pier							B	22.88	F	5.36	J	1.80	M	10.68
Anchor Frame							B	22.88	F	5.36	J	1.80	M	10.68
Bago Brdge							B	96.80	F	5.36	J	1.80	M	10.68

Painting Calculation

(Unit : mm,m²)

Bago Brdge Pedestal Frame under Main Tower												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	BASE	PL	2700* 65	2700		14.58						
2	FLG	PL	3300* 40	3300		43.56	A	21.78	C	21.78		
5	WEB	PL	470* 38	2878		13.53	C	13.53				
20	WEB	PL	470* 38	390		7.33	A	1.47	C	5.87		
20	WEB	PL	470* 38	391		7.35	A	1.47	C	5.88		
4	WEB	PL	470* 38	262		0.99	A	0.49	C	0.49		
10	WEB	PL	470* 38	320		3.01	C	3.01				
4	WEB	PL	470* 38	211		0.79	A	0.79				
4	WEB	PL	470* 38	511		1.92	A	1.44	C	0.48		
16	RIB	PL	470* 19	206		3.10	A	1.55				
8	RIB	PL	470* 19	206		1.55	A	1.55				
16	COV	PL	470* 9	145		2.18	A	1.09				
4	COV	PL	470* 9	150		0.56	A	0.28				
8	END	PL	470* 16	372		2.80						
16	FLG	PL	470* 16	372		5.59						
16	WEB	PL	470* 19	505		7.60	A	3.80				
16	FLG	PL	385* 16	250		3.08	A	3.08				
8	WEB	PL	385* 16	228		1.40	A	1.40				
16	STIFF	PL	100* 9	228		0.73	A	0.73				
8	RIB	PL	470* 19	262		1.97						
8	RIB	PL	470* 19	215		1.62						
8	RIB	PL	470* 16	228		1.71						
16	ボルト	BOLT	M 46*1100									Plating
32	1種	NUT	M 45									Plating
32	3種	NUT	M 45									Plating
32	WASHER	PL	90* 22	290		1.67						Plating
under Main Tower							A	40.92	C	51.04		
2@ under Main Tower							A	81.84	C	102.08		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Pedestal Frame under Main Girder												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1	BASE	PL	1800* 55	2100		7.56						
2	FLG	PL	2400* 28	2700		25.92	A	12.96	C	12.96		
2	WEB	PL	344* 28	2660		3.66	A	1.83	C	1.83		
4	WEB	PL	344* 28	2172		5.98	C	5.98				
2	WEB	PL	344* 28	1872		2.58	A	1.29	C	1.29		
12	WEB	PL	344* 28	402		3.32	C	3.32				
4	WEB	PL	344* 28	277		0.76	C	0.76				
4	WEB	PL	344* 28	216		0.59	A	0.59				
16	RIB	PL	344* 14	216		2.38	A	1.19				
4	RIB	PL	344* 14	216		0.59	A	0.59				
16	COV	PL	344* 9	105		1.16	A	0.58				
8	WEB	PL	344* 14	516		2.84	A	0.71				
4	FLG	PL	344* 10	316		0.87	A	0.43				
8	FLG	PL	385* 10	250		1.54	A	1.54				
4	WEB	PL	385* 9	240		0.74	A	0.74				
8	STIFF	PL	100* 9	240		0.38	A	0.38				
4	RIB	PL	344* 14	216		0.59						
4	RIB	PL	344* 14	240		0.66						
8	WEB	PL	344* 14	516		2.84	A	0.71				
4	FLG	PL	344* 10	416		1.14	A	0.57				
8	FLG	PL	385* 10	250		1.54	A	1.54				
4	WEB	PL	385* 9	240		0.74	A	0.74				
8	STIFF	PL	100* 9	240		0.38	A	0.38				
4	RIB	PL	344* 14	216		0.59						
4	RIB	PL	344* 14	240		0.66						
under Main Girder							A	26.77	C	26.14		
4@ under Main Girder							A	107.08	C	104.56		
Pedestal Frame							A	188.92	C	206.64		
Bago Brdge							A	188.92	C	206.64		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Anchor Bolt under Main Tower												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
20	Anchor Bolt	ANCB	M110	3100								
80	Type-1	NUT	M105									
80		PLWS	210 ϕ * 108 (ϕ)	22								
under Main Tower												
2@ under Main Tower												
Anchor Bolt												

Painting Calculation

(Unit : mm,m²)

Bago Brdge Anchor Frame under Main Tower													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
4		L	75* 75* 9	1000		1.17							
4		L	75* 75* 9	1520		1.75							
4	GUSS	PL	120* 9	220		0.21							
2	GUSS	PL	120* 9	310		0.15							
4		L	75* 75* 9	1520		1.75							
4	GUSS	PL	120* 9	220		0.21							
2	GUSS	PL	120* 9	310		0.15							
4	FLG	PL	300* 10	3360		8.06							
4	FLG	PL	300* 10	2760		6.62							
2	WEB	PL	300* 10	3280		3.94							
6	WEB	PL	300* 10	2900		10.44							
4	WEB	PL	300* 10	180		0.43							
4	WEB	PL	300* 10	218		0.52							
40	DIA	PL	300* 10	140		3.36							
4		L	75* 75* 9	1800		2.10							
4	GUSS	PL	150* 9	300		0.36							
2	FLG	PL	300* 19	3360		4.03							
2	FLG	PL	300* 19	2760		3.31							
2	FLG	PL	300* 10	3360		4.03							
2	FLG	PL	300* 10	2760		3.31							
2	WEB	PL	300* 10	3280		3.94							
6	WEB	PL	300* 10	2900		10.44							
4	WEB	PL	300* 10	180		0.43							
4	WEB	PL	300* 10	218		0.52							
40	DIA	PL	300* 10	140		3.36							
4		L	75* 75* 9	1800		2.10							
4	GUSS	PL	150* 9	300		0.36							
40	Grout Stop	PL	85* 6	170		1.16							
under Main Tower													
2@ under Main Tower													
Anchor Frame													

Painting Calculation

(Unit : mm,m²)

Bago Brdge Anchor Bolt under Main Girder												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
16	Anchor Bolt	ANCB	M 65	2800								
64	Type-1	NUT	M 64									
64		PLWS	128 ϕ * 68 (ϕ)	22								
under Main Girder												
4@ under Main Girder												
Anchor Bolt												

Painting Calculation

(Unit : mm,m²)

Bago Brdge Anchor Frame under Main Girder													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
4		L	75* 75* 9	1000		1.17							
4		L	75* 75* 9	1340		1.55							
4	GUSS	PL	140* 9	220		0.25							
2	GUSS	PL	140* 9	310		0.17							
4		L	75* 75* 9	1250		1.46							
4	GUSS	PL	140* 9	200		0.22							
2	GUSS	PL	140* 9	270		0.15							
4	FLG	PL	300* 10	2760		6.62							
4	FLG	PL	300* 10	1860		4.46							
2	WEB	PL	300* 10	2340		2.81							
2	WEB	PL	300* 10	2640		3.17							
4	WEB	PL	300* 10	2040		4.90							
4	WEB	PL	300* 10	150		0.36							
4	WEB	PL	300* 10	161		0.39							
32	DIA	PL	300* 10	100		1.92							
4		L	75* 75* 9	1290		1.49							
2	GUSS	PL	160* 9	270		0.17							
2	GUSS	PL	130* 9	310		0.16							
2	FLG	PL	300* 22	2760		3.31							
2	FLG	PL	300* 22	1860		2.23							
2	FLG	PL	300* 10	2760		3.31							
2	FLG	PL	300* 10	1860		2.23							
2	WEB	PL	300* 10	2340		2.81							
2	WEB	PL	300* 10	2640		3.17							
4	WEB	PL	300* 10	2040		4.90							
4	WEB	PL	300* 10	150		0.36							
4	WEB	PL	300* 10	161		0.39							
32	DIA	PL	300* 10	100		1.92							
4		L	75* 75* 9	1290		1.49							
2	GUSS	PL	160* 9	270		0.17							
2	GUSS	PL	130* 9	310		0.16							
32	Grout Stop	PL	58* 6	115		0.43							
under Main Girder													
4@ under Main Girder													
Anchor Frame													
Bago Brdge													

Painting Calculation

(Unit : mm,m²)

Bago Brdge Drainage System Catch Pit													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
2		PL	50* 19	362		0.07	C	0.04	D	0.04			
2		PL	50* 19	320		0.06	C	0.03	D	0.03			
1		PL	370* 16	450		0.33							
2		PL	184* 19	320		0.24	A	0.12	C	0.12			
2		PL	166* 19	358		0.24	A	0.12	C	0.12			
1		PL	250* 16	250		0.13	A	0.06	C	0.06			
1		PL	188* 6	191		0.07							
1	PIPE	STK	165.2* 4.5	530		0.26							Plating
1		Chain	5* 18* 42*250										
2		L	50* 50* 6	362		0.13							Plating
9		RB	25 ϕ	260		0.18							Plating
Catch Pit							A	0.30	C	0.37	D	0.07	
140@ Catch Pit							A	42.00	C	51.80	D	9.80	
Drainage System							A	42.00	C	51.80	D	9.80	
Bago Brdge							A	42.00	C	51.80	D	9.80	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Slab Drain Supporting Metal													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2		PL	50* 6	70		0.01	A	0.01					
2		PL	50* 6	346		0.07							Plating
1		L	50* 50* 6	190		0.04							Plating
2	1-W,U-Nut	BN	M 12* 35			0.00							Plating
1	CType(2W)	UB	M10(15C)										Plating
2		WASH	M 10										Plating
Supporting Metal							A	0.01					
102@ Supporting Metal							A	1.02					
Slab Drain							A	1.02					
Bago Brdge							A	1.02					

Painting Calculation

(Unit : mm,m²)

Bago Brdge Cable Rack Diaphragm Cross Beam											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
2		PL	100* 20	100		0.04					
			Diaphragm Cross Beam								
			106@ Diaphragm Cross Beam								

Painting Calculation

(Unit : mm,m²)

Bago Brdge Cable Rack Transverse Rib												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
2	BASE	PL	200* 12	200		0.16						Plating
2		H	100* 100* 6* 8	429		0.47						Plating
1		L	75* 75* 6	700		0.21						Plating
8	1-W	BN	M 16* 45			0.02						Plating
4	1-W	BN	M 16* 40			0.01						Plating
Transverse Rib												
97@ Transverse Rib												
Cable Rack												
Bago Brdge												

Painting Calculation

(Unit : mm,m²)

Bago Brdge Water Pipe Supporting Metal Diaphragm												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		L	100* 100* 10	800		0.31						Plating
4	1-W	BN	M 16* 50			0.01						Plating
2		H	100* 100* 6* 8	324		0.37						Plating
2		PL	200* 12	200		0.16						Plating
2	FILL	PL	200* 25	200		0.16						Plating
8	1-W	BN	M 16* 70			0.02						Plating
Supporting Metal Diaphragm												
196@ Supporting Metal Diaphragm												

Painting Calculation

(Unit : mm,m²)

Bago Bidge Water Pipe Supporting Metal Transverse Rib												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		L	100* 100* 10	800		0.31						Plating
4	1-W	BN	M 16* 50			0.01						Plating
2		H	100* 100* 6* 8	292		0.34						Plating
2		PL	200* 12	200		0.16						Plating
8	1-W	BN	M 16* 45			0.02						Plating
Supporting Metal Transverse Rib												
194@ Supporting Metal Transverse Rib												

Painting Calculation

(Unit : mm,m²)

Bago Brdge Water Pipe Supporting Metal End Support												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		L	100* 100* 10	800		0.31						Plating
4	1-W	BN	M 16* 50			0.01						Plating
2		H	100* 100* 6* 8	829		0.95						Plating
2		PL	200* 12	200		0.16						Plating
8	1-W	BN	M 16* 50			0.02						Plating
Supporting Metal End Support												
8@ Supporting Metal End Support												

Painting Calculation

(Unit : mm,m²)

Bago Brdge Water Pipe Supporting Metal Intermediate Support											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
1		L	100* 100* 10	830		0.31					Plating
4	1-W	BN	M 16* 50			0.01					Plating
2		H	100* 100* 6* 8	829		0.95					Plating
2		PL	200* 12	200		0.16					Plating
8	1-W	BN	M 16* 50			0.02					Plating
Supporting Metal Intermediate Support											
8@ Supporting Metal Intermediate Support											
Water Pipe											
Bago Brdge											

Painting Calculation

(Unit : mm,m²)

Bago Brdge Fairing Edge													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1		PL	969* 6	2605		5.05	A	2.52	C	2.52			
1		PL	803* 6	2605		4.18	A	2.09	C	2.09			
2		PL	50* 6	1772		0.35			C	0.35			
3		PL	955* 6	597		3.42			C	3.42			
1		FB	50* 6	953		0.10							
1		FB	50* 6	798		0.10							
1	COV	PL	718* 6	1092		1.57	A	0.78	C	0.78			
1		FB	50* 6	896		0.10							
1		FB	50* 6	762		0.10							
1		FB	50* 6	312		0.05							
1		FB	50* 6	354		0.05							
							Edge	A	5.39	C	9.16		
							4@ Edge	A	21.56	C	36.64		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Fairing Middle													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1		PL	969* 6	7000		13.57	A	6.78	C	6.78			
1		PL	803* 6	7000		11.24	A	5.62	C	5.62			
2		PL	50* 6	7000		1.40			C	1.40			
2		PL	955* 6	597		2.28			C	2.28			
2		PL	955* 6	597		2.28			C	2.28			
2		FB	50* 6	953		0.19							
2		FB	50* 6	798		0.19							
Middle							A	12.40	C	18.36			
88@ Middle							A	1091.20	C	1615.68			

Bago Brdge Fairing Middle													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1		PL	969* 6	4960		9.61	A	4.81	C	4.81			
1		PL	803* 6	4960		7.97	A	3.98	C	3.98			
2		PL	50* 6	4960		0.99			C	0.99			
2		PL	955* 6	597		2.28			C	2.28			
2		PL	955* 6	597		2.28			C	2.28			
2		FB	50* 6	953		0.19							
2		FB	50* 6	798		0.19							
Middle							A	8.79	C	14.34			
8@ Middle							A	70.32	C	114.72			

Bago Brdge Fairing Middle													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1		PL	969* 6	3700		7.17	A	3.59	C	3.59			
1		PL	803* 6	3700		5.94	A	2.97	C	2.97			
2		PL	50* 6	3700		0.74			C	0.74			
1		PL	955* 6	597		1.14			C	1.14			
2		PL	955* 6	597		2.28			C	2.28			
2		FB	50* 6	953		0.19							
2		FB	50* 6	798		0.19							
Middle							A	6.56	C	10.72			
4@ Middle							A	26.24	C	42.88			

Painting Calculation

(Unit : mm,m²)

Bago Brdge Fairing Middle													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1		PL	969* 6	5510		10.68	A	5.34	C	5.34			
1		PL	803* 6	5510		8.85	A	4.42	C	4.42			
2		PL	50* 6	5510		1.10			C	1.10			
2		PL	955* 6	597		2.28			C	2.28			
2		PL	955* 6	597		2.28			C	2.28			
2		FB	50* 6	953		0.19							
2		FB	50* 6	798		0.19							
Middle							A	9.76	C	15.42			
2@ Middle							A	19.52	C	30.84			

Painting Calculation

(Unit : mm,m²)

Bago Brdge Fairing Joint													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
1		PL	969* 6	2000		3.88	A	1.94	C	1.94			
1		PL	803* 6	2000		3.21	A	1.61	C	1.61			
2		PL	50* 6	2000		0.40			C	0.40			
2		PL	955* 6	597		2.28			C	2.28			
Joint							A	3.55	C	6.23			
100@ Joint							A	355.00	C	623.00			
Fairing							A	1583.84	C	2463.76			
Bago Brdge							A	1583.84	C	2463.76			

Painting Calculation

(Unit : mm,m²)

Bago Brdge Rail Edge												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	2089		2.29	A	2.29				
1		PL	168* 16	330		0.11	A	0.11				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	360		0.12	A	0.12				
8		TCB	M 16* 85			0.02	I	0.02				
							Edge	A	2.59	I	0.02	
							4@ Edge	A	10.36	I	0.08	

Painting Calculation

(Unit : mm,m²)

Bago Brdge Rail Middle												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	6827		7.49	A	7.49				
1		PL	168* 16	330		0.11	A	0.11				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	360		0.12	A	0.12				
8		TCB	M 16* 85			0.02	I	0.02				
1		PL	168* 16	280		0.09	A	0.09				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	220		0.07	A	0.07				
4		TCB	M 16* 85			0.01	I	0.01				
Middle							A	8.02	I	0.03		
88@ Middle							A	705.76	I	2.64		

Bago Brdge Rail Middle												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	5994		6.58	A	6.58				
1		PL	168* 16	330		0.11	A	0.11				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	360		0.12	A	0.12				
8		TCB	M 16* 85			0.02	I	0.02				
1		PL	168* 16	280		0.09	A	0.09				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	220		0.07	A	0.07				
4		TCB	M 16* 85			0.01	I	0.01				
Middle							A	7.11	I	0.03		
8@ Middle							A	56.88	I	0.24		

Bago Brdge Rail Middle												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	3077		3.37	A	3.37				
1		PL	168* 16	330		0.11	A	0.11				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	360		0.12	A	0.12				
8		TCB	M 16* 85			0.02	I	0.02				
Middle							A	3.67	I	0.02		
4@ Middle							A	14.68	I	0.08		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Rail Middle												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	3077		3.37	A	3.37				
1		PL	168* 16	330		0.11	A	0.11				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	360		0.12	A	0.12				
8		TCB	M 16* 85			0.02	I	0.02				
1		PL	168* 16	280		0.09	A	0.09				
2		PL	168* 16	100		0.07	A	0.07				
1		PL	160* 22	220		0.07	A	0.07				
4		TCB	M 16* 85			0.01	I	0.01				
Middle							A	3.90	I	0.03		
2@ Middle							A	7.80	I	0.06		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Rail Edge Joint												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	1577		1.73	A	1.73				
			Edge Joint				A	1.73				
			4@ Edge Joint				A	6.92				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Rail Middle Joint												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	2327		2.56	A	2.56				
MiddleJoint							A	2.56				
92@ MiddleJoint							A	235.52				

Bago Brdge Rail Middle Joint												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		I	300* 150* 11.5* 22	1910		2.10	A	2.10				
Middle Joint							A	2.10				
8@ Middle Joint							A	16.80				
Rail							A	1054.72	I	3.10		
Bago Brdge							A	1054.72	I	3.10		

Painting Calculation

(Unit : mm,m²)

Bago Brdge Inspection Way Transverse Inspection Way Inspection Way Side												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		CH	75* 40* 5* 7	537		0.29						Plating
2		L	75* 75* 6	590		0.34						Plating
1		FB	50* 6	700		0.10						Plating
1		EXP		580	487	0.33						Plating
2		PL	100* 9	271		0.11	C	0.11				
2		PL	100* 9	100		0.04	C	0.04				
2	1-W,U-Nut	BN	M 12* 40			0.00						Plating
2		PL	75* 9	190		0.06						Plating
4	1-W,U-Nut	BN	M 12* 35			0.01						Plating
Inspection Way Side							C	0.15				
80@ Inspection Way Side							C	12.00				

Bago Brdge Inspection Way Transverse Inspection Way Inspection Way Center												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		CH	75* 40* 5* 7	2280		1.32						Plating
2		L	75* 75* 6	590		0.34						Plating
2		FB	75* 6	590		0.18						Plating
2		FB	50* 6	700		0.14						Plating
1		EXP		580	2230	1.55						Plating
4		PL	100* 9	271		0.22	C	0.22				
4		PL	100* 9	100		0.08	C	0.08				
4	1-W,U-Nut	BN	M 12* 40			0.01						Plating
Inspection Way Center							C	0.30				
40@ Inspection Way Center							C	12.00				

Bago Brdge Inspection Way Transverse Inspection Way Ladder A												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	50* 50* 6	2200		0.87						Plating
3		RB	22 φ	439		0.09						Plating
2		PL	122* 9	220		0.11	C	0.11				
6	1-W,U-Nut	BN	M 12* 40			0.01						Plating
Ladder A							C	0.11				
80@ Ladder A							C	8.80				

Bago Brdge Inspection Way Transverse Inspection Way Ladder B											
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Painting Calculation

(Unit : mm,m²)

Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks		
2		L	50* 50* 6	2200		0.87						Plating	
3		RB	22 φ	648		0.13						Plating	
2		PL	70* 9	220		0.06	C	0.06					
6	1-W,U-Nut	BN	M 12* 40			0.01						Plating	
Ladder B							C	0.06					
80@ Ladder B							C	4.80					

Bago Brdge Inspection Way Transverse Inspection Way Intermediate Support Side												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks	
2		CH	75* 40* 5* 7	1650		0.95						Plating
2		L	75* 75* 6	590		0.34						Plating
1		FB	75* 6	590		0.09						Plating
2		FB	50* 6	700		0.14						Plating
1		EXP		580	1600	1.14						Plating
4		PL	100* 9	271		0.22	C	0.22				
4		PL	100* 9	100		0.08	C	0.08				
4	1-W,U-Nut	BN	M 12* 40			0.01						Plating
Intermediate Support Side							C	0.30				
2@ Intermediate Support Side							C	0.60				
Transverse Inspection Way							C	38.20				

Painting Calculation

(Unit : mm,m²)

Bago Brdge Inspection Way Longitudinal Inspection Way Genel												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		CH	75* 40* 5* 7	2050		1.16						Plating
2		L	75* 75* 6	590		0.34						Plating
2		FB	75* 6	590		0.18						Plating
2		FB	50* 6	700		0.14						Plating
1		EXP		580	2000	1.39						Plating
4		PL	150* 9	196		0.24	C	0.24				
4		PL	100* 9	100		0.08	C	0.08				
4	1-W,U-Nut	BN	M 12* 40			0.01						Plating
Genel							C	0.32				
360@ Genel							C	115.20				

Bago Brdge Inspection Way Longitudinal Inspection Way around Support												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		CH	75* 40* 5* 7	1633		0.95						Plating
2		L	75* 75* 6	590		0.34						Plating
1		FB	75* 6	590		0.09						Plating
2		FB	50* 6	700		0.14						Plating
1		EXP		580	1583	1.06						Plating
4		PL	150* 9	196		0.24	C	0.24				
4		PL	100* 9	100		0.08	C	0.08				
4	1-W,U-Nut	BN	M 12* 40			0.01						Plating
around Support							C	0.32				
16@ around Support							C	5.12				

Bago Brdge Inspection Way Longitudinal Inspection Way Girder Edge A												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		CH	75* 40* 5* 7	1800		1.03						Plating
2		L	75* 75* 6	590		0.34						Plating
1		FB	75* 6	590		0.09						Plating
2		FB	50* 6	700		0.14						Plating
1		EXP		580	1750	1.22						Plating
4		PL	150* 9	200		0.24	C	0.24				
4		PL	100* 9	100		0.08	C	0.08				
4	1-W,U-Nut	BN	M 12* 40			0.01						Plating
Girder Edge A							C	0.32				

Painting Calculation

(Unit : mm,m²)

4@ Girder Edge A				C	1.28					
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Bago Brdge Inspection Way Longitudinal Inspection Way Girder Edge B											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
2		CH	75* 40* 5* 7	308		0.17					Plating
2		CH	75* 40* 5* 7	660		0.37					Plating
2		CH	75* 40* 5* 7	540		0.29					Plating
2		L	75* 75* 6	590		0.34					Plating
1		FB	75* 6	590		0.09					Plating
2		FB	50* 6	700		0.14					Plating
1		EXP	1035	1236		1.47					Plating
2		PL	150* 9	200		0.12	C	0.12			
2		PL	150* 9	196		0.12	C	0.12			
4		PL	100* 9	100		0.08	C	0.08			
4	1-W,U-Nut	BN	M 12* 40			0.01					Plating
Girder Edge B					C	0.32					
4@ Girder Edge B					C	1.28					

Bago Brdge Inspection Way Longitudinal Inspection Way Cross Beam Side											
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area				Remarks
2		CH	75* 40* 5* 7	1300		0.74					Plating
2		L	75* 75* 6	590		0.34					Plating
1		FB	75* 6	590		0.09					Plating
2		FB	50* 6	700		0.14					Plating
1		EXP	580	1250		0.82					Plating
4		PL	150* 9	196		0.24	C	0.24			
4		PL	100* 9	100		0.08	C	0.08			
4	1-W,U-Nut	BN	M 12* 40			0.01					Plating
Cross Beam Side					C	0.32					
4@ Cross Beam Side					C	1.28					
Longitudinal Inspection Way					C	124.16					

Painting Calculation

(Unit : mm,m²)

Bago Brdge Inspection Way Stage Ladder												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	50* 50* 6	2205		0.87						Plating
2		L	50* 50* 6	305		0.13						Plating
2		L	50* 50* 6	614		0.22						Plating
2		L	50* 50* 6	793		0.31						Plating
2		PL	100* 9	403		0.16	C	0.16				
2		PL	100* 9	150		0.06						Plating
2		PL	163* 9	165		0.11						Plating
2		PL	190* 9	207		0.16	C	0.16				
6		RB	22 ϕ	620		0.26						Plating
1		GHPL	450* 3.2	680		0.61						Plating
4	2-W,U-Nut	BN	M 12* 35			0.01						Plating
16	2-W,U-Nut	BN	M 16* 45			0.05						Plating
3		FB	50* 4.5	2006		0.68						Plating
3		FB	50* 4.5	800		0.25						Plating
6	2-W,U-Nut	BN	M 16* 40			0.02						Plating
Stage Ladder							C	0.32				
2@ Stage Ladder							C	0.64				
Inspection Way							C	163.00				
Bago Brdge							C	163.00				

Site Welding Outer Surface Deducting

Steel Deck Slab				
Trans. Direction	EJ1~EJ52	$5.200*2*0.100*2*52$	=	108.160 m2
Longi. Direction	YSJ1,2,7,8	$(447.600-2.990*2)*0.100*2*4$	=	353.296 m2

Main Girder				
Trans. Direction	YJ16~25	$3.140*0.100*2*10$	=	6.280 m2
	YJ27~36	$3.140*0.100*2*10$	=	6.280 m2
Longi. Direction	YSJ3~6	$186.380*0.100*2*4$	=	149.104 m2

Total = 623.120 m2 ...a1

Site Welding Outer Surface Additional Deducting

Steel Deck Slab				
Longi. Direction	YSJ1,2,7,8	$2.990*2*0.100*2*4$	=	4.784 m2

Total = 4.784 m2 ...a2

Site Welding Inner Surface Deducting

Steel Deck Slab				
Trans. Direction	EJ1~EJ52	$12.500*0.100*2*52$	=	130.000 m2
	YJ1~YJ11	$3.410*0.100*2*11$	=	7.502 m2
	YJ15~YJ25	$3.410*0.100*2*11$	=	7.502 m2
	YJ27~YJ37	$3.410*0.100*2*11$	=	7.502 m2
	YJ41~YJ51	$3.410*0.100*2*11$	=	7.502 m2
Longi. Direction	YSJ3,6	$(447.600-2.990*2)*0.100*2*2$	=	176.648 m2
	YSJ4,5	$447.600*0.100*2*2$	=	179.040 m2

Main Girder				
Trans. Direction	YJ16~25	$3.140*0.100*2*10$	=	6.280 m2
	YJ27~36	$3.140*0.100*2*10$	=	6.280 m2
Longi. Direction	YSJ3~6	$186.380*0.100*2*4$	=	149.104 m2

Total = 677.360 m2 ...a3

Site Welding Steel Deck Slab Upper Surface Deducting

Steel Deck Slab				
Trans. Direction	EJ1~EJ52	$22.900*0.100*2*52$	=	238.160 m2
	YJ1~YJ11	$3.410*0.100*2*11$	=	7.502 m2
	YJ15~YJ25	$3.410*0.100*2*11$	=	7.502 m2
	YJ27~YJ37	$3.410*0.100*2*11$	=	7.502 m2
	YJ41~YJ51	$3.410*0.100*2*11$	=	7.502 m2
Longi. Direction	YSJ1,2,4,5,7,8	$447.600*0.100*2*6$	=	537.120 m2
	YSJ3,6	$(447.600-2.990*2)*0.100*2*2$	=	176.648 m2

Total = 981.936 m2 ...a4

5. Other Items

5.1 BRIDGE SURFACE WORK

MEMBER	DIMENSION		UNIT	TOTAL	REMARKS
ASPHALT PAVEMENT	T=80mm		m ²	8028.0	
CONCRETE	$\sigma_{ck}=24\text{N/mm}^2$		m ³	89.2	
STUD	SD345	D10	kg	334.0	GIRDER FABRICATION
WELDED WIRE MESH	$\phi 3.2$		m ²	1115.0	
WATER-RESISTANT COATING @ ROAD WAY			m ²	8028.0	TOP SURFACE OF DECK PL
WATER-RESISTANT COATING @ MEDIAN			m ²	1115.0	TOP SURFACE OF DECK PL

1.ASPHALT PAVEMENT (T=80mm)

$$9.000 \times 447.600 \times 2 = 8056.800 \text{ m}^2$$

DEDUCTION

$$\text{EXPANSION JOINT } 9.000 \times 0.800 \times 4 = -28.800 \text{ m}^2$$

$$\Sigma A = 8028.000 \text{ m}^2$$

2.CONCRETE (MEDIAN STRIP)

$$2.500 \times 447.600 \times 0.080 = 89.520 \text{ m}^3$$

DEDUCTION

$$\text{EXPANSION JOINT } 2.500 \times 0.800 \times 0.080 \times 2 = -0.320 \text{ m}^3$$

$$\Sigma V = 89.200 \text{ m}^3$$

1)STUD

SD345

NO.	DIAMETER (MM)	LENGTH (MM)	Q'TY	UNIT WEIGHT(KG)	WEIGHT PER UNIT(KG)	GROSS WEIGHT(KG)	REMARKS
D1	D10	50	11936	0.56	0.028	334	
TOTAL						334 kg	

2)WELDED WIRE MESH

$$2.500 \times 447.600 = 1119.000 \text{ m}^2$$

$$\text{DEDUCTION } 2.500 \times 0.800 \times 2 = -4.000 \text{ m}^2$$

$$\Sigma V = 1115.000 \text{ m}^2$$

3)WATER-RESISTANT COATING(TOP SURFACE OF DECK PL)

$$\text{AT ROADWAY} = 8028.000 \text{ m}^2$$

$$\text{AT MEDIAN} = 1115.000 \text{ m}^2$$

$$\Sigma V = 9143.000 \text{ m}^2$$

5.2 WHEEL GUARD & MEDIAN STRIP

MEMBER	DIMENSION		UNIT	TOTAL	REMARKS
WHEEL GUARD					
CONCRETE	$\sigma_{ck}=24\text{N/mm}^2$		m^3	180.47	
FORM			m^2	296.22	
REINFORCING BAR	SD345	D16	kg	10793	
STUD	SD345	D16	kg	2445	GIRDER FABRICATION
MEDIAN STRIP					
CONCRETE	$\sigma_{ck}=24\text{N/mm}^2$		m^3	174.03	
FORM			m^2	580.87	
REINFORCING BAR	SD345	D16	kg	11022	
STUD	SD345	D16	kg	2792	GIRDER FABRICATION
DRAINAGE PIPE	STKR400	□150x80x4.5	kg	4068	
TOTAL					
CONCRETE	$\sigma_{ck}=24\text{N/mm}^2$		m^3	354.50	
FORM			m^2	877.09	
REINFORCING BAR	SD345	D16	kg	21815	
STUD	SD345	D16	kg	5237	GIRDER FABRICATION
DRAINAGE PIPE	STKR400	□150x80x4.5	kg	4068	

1.CONCRETE (σ_{ck}=24N/mm²)

1)WHEEL GUARD

$$(0.342+0.330)/2 \times 0.600 \times 447.60 \times 2 = 180.472 \text{ m}^3$$

2)\ MEDIANSTRIP

$$(0.318+0.330)/2 \times 0.600 \times 447.60 \times 2 = 174.027 \text{ m}^3$$

$$\Sigma V = 354.499 \text{ m}^3$$

2.FORM

1)WHEEL GUARD

$$0.330 \times 447.60 \times 2 + (0.342+0.330)/2 \times 0.600 \times 4 = 296.222 \text{ m}^2$$

2)\ MEDIANSTRIP

$$(0.330+0.318) \times 447.60 \times 2 + (0.318+0.330)/2 \times 0.600 \times 4 = 580.867 \text{ m}^2$$

$$\Sigma A = 877.089 \text{ m}^2$$

3.REINFORCING BAR

SD345

(KG)

DIAMETER	WHEEL GUARD	MEDIAN STRIP	TOTAL WEIGHT
D16	10793	11022	21815

4.STUD

SD345

(KG)

DIAMETER	WHEEL GUARD	MEDIAN STRIP	TOTAL WEIGHT
D16	2445	2792	5237

5.DRAINAGE PIPE

DIMENSION	□150x80x4.35
MATERIAL	STKR400
UNIT WEIGHT	15.2 KG
LENGTH	0.6 M
QUANTITY	446 PIECES
WEIGHT PER UNIT	9.12 KG
GROSS WEIGHT	4068 KG

5.3 CONPOSITE BARRIER & BARRIER FOR CARRIAGE WAY

MEMBER	DIMENSION		UNIT	TOTAL	REMARKS
CONPOSITE BARIER	H=1.1		m	895	
REINFORCING BAR	SD345	D25	kg	5567	
MORTAR			m3	4.76	
BARRIER FOR CARRIAGE WAY	H=0.9		m	895	
REINFORCING BAR	SD345	D25	kg	5567	
MORTAR			m3	4.76	

1.CONPOSITE BARRIER

$$H=1.1m \quad 447.600 \times 2 \quad = \quad 895.2 \text{ m}$$

(REFERENCE)

								PER 10m
NO.	MEMBER	SIZE DIMENSIONS	Q'TY	UNIT WEIGHT	WEIGHT PER UNIT	GROSS WEIGHT	MATERIAL	PAINTED AREA
1	POST	□125x125x4.5	5		20.69	103.5	STKR 400	2.7m ²
2	MAIN BEAM	□150x100x6.0	5	21.70	43.29	216.5	STKR 400	5.0m ²
3	LOWER BEAM	□100x100x4.5	5	13.10	26.13	130.7	STKR 400	4.0m ²
4	SLEEVE TUBE OF MAIN BEAM	L=300	5		6.51	32.6	SS400	
5	SLEEVE TUBE OF LOWER BEAM	L=300	5		3.71	18.6	SS400	
6	RAILING FOR VERTICAL BAR	∅60x30x12.3	5	2.98	5.55	27.8	STKR 400	1.7m ²
7	VERTICAL BAR	F832x6	10		0.89	53.4	SS400	2.6m ²
8	HEXAGON BOLT	M16x40	10		0.12	1.2	GRADE 8.8	
9	HEXAGON BOLT	M16x40	10		0.12	1.2	GRADE 6.8	
10	HEXAGON BOLT	M8x55	10		0.04	0.4	GRADE 4.6	
11	FIXED TUBE	∅225	5		-	-	SPCC	
TOTAL						585.9		18.0m ²

MASS PER 1m 58.6kg/m
(EXCLUDING END SPAN)

REINFORCING BAR		Qty	Unit Weight	Weight per Unit	GROSS
TYPICAL PART	D25x1550	2x448	3.98	6.17	5528.32 kg
END PART	D25x1200	2x2x2	3.98	4.78	38.24 kg
ΣV					= 5566.560 kg

MORTAR

Diameter:	Φ 225	Depth	265 mm					
V	=	π	x	$(D/2)^2$	x	265	=	0.011 m ³
Total Nos.	2x226	ΣV			=	4.763 m ³		

2.BARRIER FOR CARRIAGE WAY

$$H=0.9m \quad 447.600 \times 2 \quad = \quad 895.2 \text{ m}$$

(REFERENCE)

								PER 10m
NO.	MEMBER	SIZE DIMENSIONS	Q'TY	UNIT WEIGHT	WEIGHT PER UNIT	GROSS WEIGHT	MATERIAL	PAINTED AREA
1	POST	□125x125x4.5	5		17.40	67.0	STKR 400	2.2m ²
2	MAIN BEAM	□150x100x6.0	5	21.70	43.29	216.5	STKR 400	5.0m ²
3	LOWER BEAM	□100x100x4.5	5	13.10	26.13	130.7	STKR 400	4.0m ²
4	SLEEVE TUBE OF MAIN BEAM	L=300	5		6.51	32.6	SS400	
5	SLEEVE TUBE OF LOWER BEAM	L=300	5		3.71	18.6	SS400	
6	HEXAGON BOLT	M16x40	10		0.12	1.2	GRADE 8.8	
7	HEXAGON BOLT	M16x40	10		0.12	1.2	GRADE 6.8	
8	FIXED TUBE	∅225	5		-	-	SPCC	
TOTAL						487.8		11.2m ²

MASS PER 1m 48.8kg/m
(EXCLUDING END SPAN)

REINFORCING BAR		Qty	Unit Weight	Weight per Unit	GROSS
TYPICAL PART	D25x1550	2x448	3.98	6.17	5528.32 kg
END PART	D25x1200	2x2x2	3.98	4.78	38.24 kg
ΣV					= 5566.560 kg

MORTAR

Diameter:	Φ 225	Depth	265 mm					
V	=	π	x	$(D/2)^2$	x	265	=	0.011 m ³
Total Nos.	2x226	ΣV			=	4.763 m ³		

5.4 EXPANSION JOINT

MEMBER	DIMENSION		UNIT	TOTAL	REMARKS
RUBBER JOINT	MODULE TYPE		m	45.8	
REINFORCING BAR	SD345	D16	kg	658	
REINFORCING BAR	SD345	D16	kg	142	GIRDER FABRICATION
STUD	SD345	D19	kg	142	GIRDER FABRICATION

1.EXPANSION JOINT

MODULE TYPE

22.900x2

= 45.8 m

(REFERENCE)

NO.	THE NAME OF AN ARTICLE	MATERIAL
1	END BEAM	S355J2+AR
2	MIDDLE BEAM	S355J2+N
3	SEAL RUBBER	CR
4	WEB	SM490A
5	BOX	SM490A
6	SUPPORTING BEAM	SM490A
7	BUSH	POLYETHYLENE
8	SPRING	NR
9	EB BEARING	NR
10	MB BEARING	NR
11	SPRING-FACE A	SM490A
12	BEARING-FACE A	SM490A
13	SPRING-FACE B	SM490A
14	BEARING-FACE B	SM490A
15	SUS DISK	SUS316L
16	SLIPPING DISK	METALLOPLAST
17	PROTECTIVE PL	SM490A
18	ANCHOR	SM490A
19	COVER	SM490A
20	PL	SM490A
21	END PL	SM490A
22	REINFORCING BAR	SD345
23	STUD	JIS B1198
24	WELDED WIRE FABRIC	SUS304
25	WIRE RACK	SR235
26	BOTTOM FLANGE	SM490A
27	LINER	SS400
28	HTB	F10T
29	SUPPORT	SM490A
30	CONNECTION	SM490A

2.SUMMARY OF REINFORCING BAR FOR EXPANSION JOINT

NO.	DIAMETER (MM)	LENGTH (MM)	Q'TY	UNUIT WEIGHT(KG)	WEIGHT PER UNIT(KG)	GROSS WEIGHT(KG)	REMARKS
P10							
H1B	D16	1090	57	1.56	1.7	97	
H2B	D16	400	114	1.56	0.624	71	GIRDER FABRICATION
H4	D16	6000	24	1.56	9.36	225	
H5	D16	1000	3	1.56	1.56	5	
TOTAL						398 kg	
SD345						D16	398 kg
H3B						184-STUD WITH HEAD ϕ 19x150	70.1 kg
NO.	DIAMETER (MM)	LENGTH (MM)	Q'TY	UNUIT WEIGHT(KG)	WEIGHT PER UNIT(KG)	GROSS WEIGHT(KG)	REMARKS
P13							
H1B	D16	1090	57	1.56	1.7	97	
H2B	D16	400	114	1.56	0.624	71	GIRDER FABRICATION
H4	D16	6000	24	1.56	9.36	225	
H5	D16	1000	6	1.56	1.56	9	
TOTAL						402 kg	
SD345						D16	402 kg
H3B						188-STUD WITH HEAD ϕ 19x150	71.6 kg

5.5 BEARING

MEMBER	REACTION FORCE	TOTAL	REMARKS
BERING FOR HORIZONTAL FORCE	6700kN	2	P10,P13
ROCKING BEARING	3700kN	4	P10,P13
PIVOT BEARING	57700kN	2	P11,P12
PIN ROLLER BEARING	20800kN	4	P11,P12

1.BEARING FOR HORIZONTAL FORCE

LOCATION P10,P13

EACH 1 SUM 2

(REFERENCE)

MATERIALS

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	NUMBER	MASS (Kg)	NOTES
①	TOP BEARING	SCW480N+SUS316	1	2898.3	INCLUDED STAINLESS PL
②	BOTTOM BEARING	SCW480N	1	2088.0	
③	COLLAR PLATE	SCW480N+SUS316	1	490.5	INCLUDED STAINLESS PL
4	SEAL RUBBER	CHLOROPRENE RUBBER	1	0.3	
⑤	HOLDING PLATE	SS400	1	21.4	
6	SEALRING	CHLOROPRENE RUBBER	1	2.0	
7	HEXAGON BOLT	STAINLESS	12	0.5	JIS B 1180
8	SET BOLT WITH NUT	SCM435	8	—	
⑨	ANCHOR BOLT WITH NUT	S35CN	8	487.3	JIS B 1181 M85
TOTAL WEIGHT				5988.3	(Kg)
CORROSION PROOF FOR OUTSIDE PL					
HOT-DIP GALVANIZED COATING OVER 550g/m ² , 350g/m ² (FOR BOLT, WASHER & NUT)					

NOTES: 1- CIRCLE NUMBER IN MATERIAL TABLE INDICATES HOT-DIP GALVANIZED.
2- NUMBER 8, SET BOLT WITH NUT COATING HIGH ZINC CONCENTRATION.

2.ROCKING BEARING

LOCATION P10,P13

EACH 2 SUM 4

(REFERENCE)

MATERIALS

NO.	THE NAME OF AN ARTICLE	MATERIAL	NOS.	MASS kg	REMARKS
1	ANCHOR PL SUPERSTRUCTURE SIDE	SCW480	1	3214.1	
2	ANCHOR PL SUBSTRUCTURE SIDE	SCW480	1	1812.7	
3	PIN	SUS431	2	571.6	
4	SPHERICAL BUSH	CAC304 +SL	1	564.9	PARALLEL PIN 2-R13 20SUS303 4-HEXAGON SOCKET HEAD CAP SCREW M14 80SUS
5	SPHERICAL BUSH BEARING	SUS431	1	388.7	
6	BUSH	CAC304 +SL	1	80.1	
7	BEARING PL	CAC304 +SL	4	45.6	
8	BEARING PL	CAC304 +SL	4	44.8	
9	REVOLVING STOPPER	SUS410	4	156.0	
10	REVOLVING STOPPER	SUS410	2	76.6	
11	HEXAGON SOCKET HEAD CAP SCREW	-	108	5.8	
12	END PL	SS400	4	86.0	HOT-DIP GALVANIZED
13	HEXAGON HEAD BOLT	SUS304	32	8.3	
TOTAL WEIGHT				7055.2	kg j

NOTE : YOU MAY SET SUSPENDED TAP HOLES AT PLACES WHERE THERE IS NO EFFECT ON PERFORMANCE OR STRENGTH. BE SURE TO FILL THE TAP HOLE WITH A CAULKING OR LOCKING SCREW AT TIME OF SHIPPING.

(STEEL PLATE)

(UNIT : mm,kg)

TIE BAR OF ROCKING BEARING												
Q'ty	MEMBER Name	Type	Width	Thickness	Length	Unit Weight	Per Unit Weight	Gross Weight	Material	Net	Element	Remarks
2	FLG	PL	590	22	1190	172.70	121.25	243	SM400A		S	
2	FLG	PL	590	22	600	172.70	61.14	122	SM400A		S	
1	WEB	PL	416	22	1190	172.70	85.49	85	SM400A		S	
1	WEB	PL	416	22	600	172.70	43.11	43	SM400A		S	
2	SPL	PL	580	12	470	94.20	25.68	51	SS400		S	
4	SPL	PL	250	14	470	109.90	12.91	52	SS400		S	
72		TCB	M22		85		0.568	41	S10T		B	
2	SPL	PL	340	15	470	117.75	18.82	38	SS400		S	
18		TCB	M22		90		0.583	10	S10T		B	
TIE BAR OF ROCKING BEARING									685	kg		
TIE BAR OF ROCKING BEARING									@ 4	2740 kg		
									2740	kg		

3.PIVOT BEARING

LOCATION P11,P12

EACH 1 SUM 2

(REFERENCE)

MATERIALS

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	NUMBER	MASS Kg	NOTES
①	TOP BEARING	SCW480N	1	16300.8	
②	BOTTOM BEARING	SCW480N	1	21395.9	
③	RING	SCW480N	1	4945.5	QUARTERS
④	HEXAGON HEAD BOLT WITH WASHER	———	12	21.6	JIS B 1180 JIS B 1256
⑤	HEXAGON HEAD BOLT WITH WASHER	———	36	——	JIS B 1180 JIS B 1256
⑥	HEXAGON HEAD BOLT WITH WASHER	———	8	7.2	JIS B 1180 JIS B 1256
TOTAL WEIGHT				42671.0	Kg j
CORROSION PROOF FOR OUTSIDE PL					
HOT-DIP GALVANIZED		COATING OVER 550g/m ² , 350g/m ² IFOR BOLT, WASHER & NUT j			

NOTES: 1- CIRCLE NUMBER IN MATERIAL TABLE INDICATES HOT-DIP GALVANIZED.

4.PIN ROLLER BEARING

LOCATION P11,P12

EACH 2 SUM 4

(REFERENCE)

MATERIALS

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	NUMBER	MASS Kg	NOTES
①	TOP BEARING	SCW480N	1	2904.1	
②	BOTTOM BEARING	SCW480N	1	3794.6	
③	BOTTOM PLATE	SCW480N	1	5811.1	
④	SIDE BLOCK	SCW480N	2	760.6	
5	PIN	S35CN	1	514.9	
⑥	CAP	SM490A	2	271.4	
7	ROLLER A j	SUS420J2	2	435.6	
8	ROLLER B j	SUS420J2	2	454.8	
9	ANCHOR PLATE	SUS420J2	16	603.2	
⑩	PINION	SS400	4	29.2	
⑪	RACK	SS400	4	17.6	
⑫	EDGE PLATE	SS400	4	16.4	
⑬	SIDE PLATE A j	SS400	12	172.8	
⑭	SIDE PLATE B j	SS400	8	56.0	
⑮	CONNECTION PLATE	SS400	2	77.4	
⑯	COVER PLATE	SS400	2	33.8	
⑰	HEXAGON NUT	SS400	2	21.8	JIS B 1181 M120
⑱	HEXAGON HEAD	———	12	52.3	JIS B 1180 JIS B 1256
⑲	BOLT WITH WASHER	———	12	0.6	JIS B 1180 JIS B 1256
20	HEXAGON HOLE BOLT WITH WASHER	STAINLESS	48	3.8	JIS B 1176
21	HEXAGON HOLE BOLT WITH WASHER	STAINLESS	80	7.2	JIS B 1176
22	SPLIT PIN	STAINLESS	2	0.4	JIS B 1351 13 460
⑳	HEXAGON HEAD BOLT WITH WASHER	———	20	——	JIS B 1180 JIS B 1256
TOTAL WEIGHT				16039.6	(kg)
CORROSION PROOF FOR OUTSIDE PL					
HOT-DIP GALVANIZED		COATING OVER 550g/m ² , 350g/m ² IFOR BOLT, WASHER & NUT j			

NOTES: 1- CIRCLE NUMBER IN MATERIAL TABLE INDICATES HOT-DIP GALVANIZED.

5.6 LIGHTING

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
LIGHTING		SET	22	
LIGHT-UP SYSTEM		SET	4	FOR MAIN TOWER
		SET	4	FOR PIER
		SET		

1.LIGHTING

11x2

= 22 SET

(REFERENCE)

2.LIGHT-UP SYSTEM

FOR MAIN TOWE 2x2

= 4 SET

FOR PIER 2x2

= 4 SET

(REFERENCE)

5.7 NAVIGATION SIGN & LIGHT

SIGN	LIGHT	UNIT	TOTAL	REMARKS
SAFE WATER	CENTER LIHGT	SET	2	
PORT HAND	PORT EDGE LIGHT	SET	6	
STARBOARD HAND	STARBOARD EDGE LIGHT	SET	6	

1.SAFE WATER (CENTER LIGHT)

1x2 = 2 SET

2.PORT HAND(PORT EDGE LIGHT)

3x2 = 6 SET

3.STARBOARD HAND(STARBOARD EDGE LIGHT)

3x2 = 6 SET

5.8 MAIN GIRDER MANHOLE

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
POLYCHLOROPRENE	480x9x680	PIECE	6	MAIN GIRDER

1.MAIN GIRDER MANHOLE

SIZE DIMENSION 480x680
 THICKNESS 9
 MATERIAL RUBBER (POLYCHLOROPRENE)

ME-1	1x4	= 4 PIECES
ME-2	1x2	= 2 PIECES
		<hr/>
	Σ	= 6 PIECES

5.9 STAY CABLE

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
CABLE STRAND	H70,H37	SET	40	
PE PROTECTOR PIPE	H70,H37	SET	40	
POSITIONING PIPE	H70,H37	SET	40	
CABLE PROTECTOR	H70,H37	SET	40	
BUFFER DEVICE	H70,H37	SET	40	
VIBRATION CONTROL DEVICE	H70	SET	20	
VIBRATION CONTROL DEVICE	H37	SET	20	

1.CABLE STRAND

TYPE H70,H37

40 SET

CABLE NO.	ANCHORAGE TYPE	LENGTH BETWEEN ANCHORING POINT L0 (m)	LENGTH BETWEEN WEDGES			BEALING PLATE THICKNESS		ANCHORAGE LENGTH		GUIDE TUBE LENGTH		CABLE PROTECTIVE LENGTH L8 (m)	EXTRA LENGTH AT MAIN GIRDER L9 (m)	MANUFACTURING LENGTH S (m)	STRANDS WEIGHT W (kg)	NO. OF CABLE	STRANDS TOTAL WEIGHT W1 (kg)
			L1 (m)	L2 (m)	L3 (m)	L4 (m)	L5 (m)	L6 (m)	L7 (m)								
C1 (C40)	70H	119.705	120.305	0.110	0.110	0.395	0.210	4.062	1.482	114.161	0.160	121.810	10001.8	2	20003.6		
C2 (C39)	70H	110.794	111.394	0.110	0.110	0.395	0.210	3.927	1.512	105.355	0.160	112.899	9270.1	2	18540.2		
C3 (C38)	70H	101.941	102.541	0.110	0.110	0.395	0.210	3.782	1.543	96.616	0.160	104.046	8543.2	2	17086.4		
C4 (C37)	70H	93.160	93.760	0.110	0.110	0.395	0.210	3.625	1.582	87.953	0.160	95.265	7822.2	2	15644.4		
C5 (C36)	70H	84.475	85.075	0.110	0.110	0.395	0.210	3.455	1.633	79.387	0.160	86.580	7109.1	2	14218.2		
C6 (C35)	37H	75.798	76.398	0.085	0.085	0.330	0.170	3.155	1.553	71.090	0.130	77.798	3376.5	2	6753.0		
C7 (C34)	37H	67.421	67.916	0.085	0.085	0.330	0.170	2.968	1.654	62.799	0.130	69.421	3012.9	2	6025.8		
C8 (C33)	37H	59.298	59.793	0.085	0.085	0.330	0.170	2.775	1.809	54.714	0.130	61.298	2660.4	2	5320.8		
C9 (C32)	37H	51.552	52.047	0.085	0.085	0.330	0.170	2.579	2.069	46.904	0.130	53.552	2324.2	2	4648.4		
C10 (C31)	37H	44.382	44.877	0.085	0.085	0.330	0.170	2.387	2.464	39.531	0.130	46.382	2013.0	2	4026.0		
C11 (C30)	37H	44.325	44.820	0.085	0.085	0.330	0.170	2.386	2.458	39.481	0.130	46.325	2010.6	2	4021.2		
C12 (C29)	37H	51.481	51.976	0.085	0.085	0.330	0.170	2.578	2.065	46.838	0.130	53.481	2321.1	2	4642.2		
C13 (C28)	37H	59.216	59.711	0.085	0.085	0.330	0.170	2.775	1.805	54.636	0.130	61.216	2656.8	2	5313.6		
C14 (C27)	37H	67.329	67.824	0.085	0.085	0.330	0.170	2.968	1.650	62.711	0.130	69.329	3008.9	2	6017.8		
C15 (C26)	37H	75.698	76.193	0.085	0.085	0.330	0.170	3.155	1.549	70.994	0.130	77.698	3372.2	2	6744.4		
C16 (C25)	70H	84.367	84.967	0.110	0.110	0.395	0.210	3.455	1.631	79.281	0.160	86.472	7100.2	2	14200.4		
C17 (C24)	70H	93.045	93.645	0.110	0.110	0.395	0.210	3.626	1.580	87.839	0.160	95.150	7812.8	2	15625.6		
C18 (C23)	70H	101.819	102.419	0.110	0.110	0.395	0.210	3.786	1.541	96.492	0.160	103.924	8533.2	2	17066.4		
C19 (C22)	70H	110.666	111.266	0.110	0.110	0.395	0.210	3.935	1.511	105.220	0.160	112.771	9259.6	2	18519.2		
C20 (C21)	70H	119.570	120.170	0.110	0.110	0.395	0.210	4.074	1.481	114.015	0.160	121.675	9990.7	2	19981.4		
TOTAL															40	224399.0	

2.PE PROTECTOR PIPE

TYPE H70,H37

40 SET

CABLE NO.	ANCHORAGE TYPE	CABLE PROTECTIVE LENGTH L8 (m)	PROTECTION TUBE LENGTH Lp (mm)	HDPE DUCT DIMENSION		NO. OF CABLE	TOTAL LENGTH (m)
				OUTSIDE DIAMETER Φ (mm)	LENGTH (COLD TEMP.) Ld (m)		
C1 (C40)	70H	114.161	600	250	106.800	2	213.600
C2 (C39)	70H	105.355	600	250	97.994	2	195.988
C3 (C38)	70H	96.616	600	250	89.255	2	178.510
C4 (C37)	70H	87.953	600	250	80.592	2	161.184
C5 (C36)	70H	79.387	600	250	72.026	2	144.052
C6 (C35)	37H	71.090	570	180	63.759	2	127.518
C7 (C34)	37H	62.799	570	180	55.468	2	110.936
C8 (C33)	37H	54.714	570	180	47.383	2	94.766
C9 (C32)	37H	46.904	570	180	39.573	2	79.146
C10 (C31)	37H	39.531	570	180	32.200	2	64.400
C11 (C30)	37H	39.481	570	180	32.150	2	64.300
C12 (C29)	37H	46.838	570	180	39.507	2	79.014
C13 (C28)	37H	54.636	570	180	47.305	2	94.610
C14 (C27)	37H	62.711	570	180	55.380	2	110.760
C15 (C26)	37H	70.994	570	180	63.663	2	127.326
C16 (C25)	70H	79.281	600	250	71.920	2	143.840
C17 (C24)	70H	87.839	600	250	80.478	2	160.956
C18 (C23)	70H	96.492	600	250	89.131	2	178.262
C19 (C22)	70H	105.220	600	250	97.859	2	195.718
C20 (C21)	70H	114.015	600	250	106.654	2	213.308
TOTAL							2738.194
Φ180							952.776
Φ250							1785.418

3.POSITIONING PIPE

TYPE H70,H37

40 SET

ANCHORAGE TYPE	APPLICABLE CABLE NO.	TOTAL QUANTITY	UNIT WEIGHT (kg)
37H	C6 TO C15, C26 TO C35	20	75.7
70H	C1 TO C5, C16 TO C25 & C36 TO C40	20	124.8

4.CABLE PROTECTOR

TYPE H70,H37

40 SET

ANCHORAGE TYPE	APPLICABLE CABLE NO.	OUTSIDE DIAMETER		L1 (mm)	L2 (mm)	Tr1 (mm)	TOTAL QUANTITY	UNIT WEIGHT (kg)
		ΦD1 (mm)	ΦD2 (mm)					
37H	C6 TO C15, C26 TO C35	541	216.3	570	150	196	20	25.1
70H	C1 TO C5, C16 TO C25 & C36 TO C40	643	280	600	180	266	20	30.8

5. BUFFER DEVICE

TYPE H70,H37

40 SET

ANCHORAGE TYPE	APPLICABLE CABLE NO.	SETTING SIDE	TOTAL QUANTITY	UNIT WEIGHT (kg)
37H	C6 TO C15, C26 TO C35	MAIN GIRDER SIDE	20	38.9
		MAIN TOWER SIDE	20	61.4
70H	C1 TO C5, C16 TO C25 & C36 TO C40	MAIN GIRDER SIDE	20	56.0
		MAIN TOWER SIDE	20	94.6

6. VIBRATION CONTROL DEVICE

TYPE H70

20 SET

(REFERENCE)

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	REMARKS	SIZE	NOS.
①	HIGH DAMPING RUBBER	RUBBER		80-10-40	3
②	SUPPORTING PL	WORTH SS400	HOT DIP GALVANIZING,HDZ55 @PRETREATMENT BLAST J		1
③	DAMPING CLAMP	WORTH SS400 & STKM	HOT DIP GALVANIZING,HDZ55 @PRETREATMENT BLAST J		1 SET
④	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 WASHERS	M12-50L	12 SETS
⑤	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT, PLAIN WASHER & SMALL CIRCULAR WASHER	M12-35L	4 SETS
⑥	NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & SMALL CIRCULAR WASHER	M12	4 SETS
⑦	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 PLAIN WASHERS	M16-50L	4 SETS
⑧	RUBBER LINER 1	WEATHERPROOF RUBBER	EPDM(WORTH H640), BLACK		2
⑨	RUBBER LINER 2	WEATHERPROOF RUBBER	EPDM(WORTH H640), BLACK		4
⑩	RUBBER PL	WEATHERPROOF RUBBER	EPDM(WORTH H640), BLACK		2

TYPE H37

20 SET

(REFERENCE)

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	REMARKS	SIZE	NOS.
①	HIGH DAMPING RUBBER	RUBBER		80-10-40	3
②	SUPPORTING PL	WORTH SS400	HOT DIP GALVANIZING,HDZ55 @PRETREATMENT BLAST J		1
③	DAMPING CLAMP	WORTH SS400 & STKM	HOT DIP GALVANIZING,HDZ55 @PRETREATMENT BLAST J		1 SET
④	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 WASHERS	M12-50L	12 SETS
⑤	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT, PLAIN WASHER & SMALL CIRCULAR WASHER	M12-35L	4 SETS
⑥	NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & SMALL CIRCULAR WASHER	M12	4 SETS
⑦	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 PLAIN WASHERS	M16-50L	4 SETS
⑧	RUBBER LINER 1	WEATHERPROOF RUBBER	EPDM(WORTH H640), BLACK		2
⑨	RUBBER LINER 2	WEATHERPROOF RUBBER	EPDM(WORTH H640), BLACK		4
⑩	RUBBER PL	WEATHERPROOF RUBBER	EPDM(WORTH H640), BLACK		2

5.10 (REFERENCE) CABLE RACK

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
CABLE RACK LENGTH	W=0.6m	m	448	
CABLE RACK	W=0.6m L=3.0m	PIECE	149	REGULER
CABLE RACK	L=0.5m	PIECE	2	END
JOINT		SET	148	
END CAP		PIECE	2	
STEADY PIECE		SET	203	

1.CABLE RACK LENGTH

448 m

2.CABLE RACK (TYPICAL)

WIDTH 0.6 m

LENGTH 3.00 m

149 PIECES

3.CABLE RACK (END)

WIDTH 0.6 m

LENGTH 0.5 m

2 PIECES

4.JOINT

148 SET

5.END CAP

2 PIECES

6.STEADY PIECE

CROSS BEAM 8 SET

DIAPHRAGM 98 SET

CROSS FRAME 97 SET

203 SET

5.11 BRIDGE FLOOR DRAINAGE

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
BRIDGE FLOOR DRAINAGE		SET	102	
FLEXIBLE PIPE	$\phi 20$	SET	102	
STEADY PIECE		SET	102	

1.BRIDGE FLOOR DRAINAGE

102 SET

2.FLEXIBLE PIPE

102 SET

3.STEADY PIECE




102 SET

5.12 Site Welding Length Summary

Main Girder

	Unit	Length	Remarks
Welding Actual Length	m	5902.6	
6mm Converted Length	m	54467.5	

Site Welding Length Calculation

<Type> 1 : Fillet Weld 
 2 : Single-bevel Weld 
 3 : V-groov weld 

Items	Type	Leg Size	6mm Convert Ratio	Length (m)	Nos.	Total(m)	6mm Converted Length
Steel Deck Slab							
EJ1-EJ52	3	16	10.0	22.900	52	1190.800	11908.000
YJ1-11,15-25, 27-37,41-51	3	16	10.0	3.410	44	150.040	1500.400
YSJ1,2,4,5,7,8	3	16	10.0	447.600	6	2685.600	26856.000
YSJ3,6	3	16	10.0	441.620	2	883.240	8832.400
Main Girder							
YSJ3-YSJ6	3	11	6.38	186.380	4	745.520	4756.418
YJ16-25,27-36	3	11	6.38	3.410	20	68.200	435.116
Manhole							
MD-2	1	6	1.00	4.480	40	179.200	179.200
				Total	=	5902.6	54467.5

Cable Stayed Bridge

3) Superstructure [Main Tower]

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1. Summary of Quantities

Man-hour Estimate Items Summary Sheet

Calculated Items			Unit	Main Body	Accessories	Total	
Main Body and Accessories	Others	Large Member	Number of Member	Nos.	160	—	160
			Member Weight	*1 kg	372194	—	372194
		Small Member	Number of Member	Nos.	2702	0	2702
			Member Weight	*2 kg	226248	0	226248
	Cross Frame		Number of Member	*5 Nos.	40	—	40
			Processed Weight	*3 kg	0	—	0
		Number of Member	Shape Steel Truss	*6 Nos.	0	—	0
			Steel Plate Truss	*7 Nos.	0	—	0
		Lateral	Processed Weight	*4 kg	0	—	0
			Number of Member	Shape Steel	*8 Nos.	0	—	0
		Steel Plate		*9 Nos.	0	—	0
	Processed Weight	*1+*2+*3+*4 total		kg	598442	0	598442
		Weight for 570 steel		kg	0	0	0
	Number of Member *5+*6+*7+*8+*9			Nos.	40	—	40
	Butt Welding Lengh			m		—	
	Large Member T-joint Welding Length			m		—	
	Structural Element	Average Span Length		mm			
		Girder Distance		mm			
Girder Height		mm					

Accessory Items Summary Sheet

Items	Symbol	Processed Weight(kg)
Tower Ladder		2916
Aerodynamic Device		12870
Total		15786

Description Large: Large Member
 Small: Small Member
 Hanger: Hanger
 S. A: Slab Anchor
 BU: Steel plate for build up shape steel
 Purchase: Purchased Member

Cross Frame: A member which is calculated as a cross frame
 Lateral: A member which is calculated as a lateral
 Cross Beam G: Material for cross beam

Man-hour Estimate Summary

	Unit	Main Body	Accessories	Total
Number of Large Member	Nos.	160		160
Large Member Weight	kg	372194		372194
Number of Small Member	Nos.	2702		2702
Small Member Weight	kg	226248		226248
Other Members	Nos.	40		40
Cross Frame Processed Weight	kg			
Cross Frame Shape Steel	Nos.			
Cross Drame Steel Plate	Nos.			
Lateral Processed Weight	kg			
Lateral Shape Steel	Nos.			
Lateral Steel Plate	Nos.			
Processed Weight	kg	598442	15786	614228
Processed Weight (570 Steel)	kg			
Number of Members	Nos.	40		40

Bago Bridge

(Unit : kg)

Category	Material	Section	Tower	Tower Joints	Tower Laddre	Aerodynamic Device	Total	
PL	SM490YB	40	268554				268554	
		36	8810				8810	
		35	117472				117472	
		30	52020				52020	
		27	6962				6962	
		25	64474				64474	
		22	5334				5334	
		19	2450				2450	
		17			1240			1240
	SM490YB Total			526076	1240			527316
	SM490YA	16			16216			16216
		12		34838				34838
	SM490YA Total			34838	16216			51054
	SM400A	30					10962	10962
		22		372				372
		19		4			1908	1912
		16		304				304
		15		80				80
		12		2398				2398
		10		156				156
		9		338				338
		8		70				70
	SM400A Total			3722			12870	16592
	SS400	110		9460				9460
		85		4040				4040
		9		94		574		668
		6				8		8
		2.3			10			10
	SS400 Total			13594	10	582		14186
PL Total			578230	17466	582	12870	609148	
PLS	SUS304	14	4				4	
		12	4				4	
		5	8				8	
PLS Total			16				16	
FB	SS400	75* 12	24				24	
		65* 6			18		18	
		50* 4.5			24		24	
		32* 4.5			16		16	
FB Total			24		58		82	
L	SS400	40* 40* 5			1704		1704	
STK	STK400	457.2* 12.7	1664				1664	
		355.6* 7.9	1016				1016	
STK Total			2680				2680	
SGP	SGP	20 A	8				8	
RB	SS400	19 ϕ	4		536		540	
		13 ϕ	4				4	

		10 ϕ	2			2
	SS400 Total		10		536	546
	SUS304	19 ϕ	8			8
RB Total			18		536	554
EXP	XG11	690			36	36
Processed Weight Total			580976	17466	2916	12870
TCB	S10T	M 22		6230		6230
BN	SS400	M 16	10			10
		M 12			88	88
BN Total			10		88	98
BOLT	SS400	M 10	2			2
		M 5	2			2
BOLT Total			4			4
Parts Weight Total			14	6230	88	6332
Total			580990	23696	3004	12870
						620560

Bago Bridge

(Unit : Nos)

Category	Material	Section	Tower	Tower Joints	Tower Laddre	Total
TCB	S10T	M 22* 100		768		768
		M 22* 95		9592		9592
TCB Total				10360		10360
BN	SS400	M 16* 70	48			48
		M 12* 35			976	976
BN Total			48		976	1024
BOLT	SS400	M 10* 20	8			8
		M 5* 10	12			12
BOLT Total			20			20
Total			68	10360	976	11404

Plating Weight Summary

(Unit: kg)

Category	Material	Section	HDZ35	HDZ55	Total
PL	SS400	6		8	8
FB	SS400	50* 4.5		24	24
		32* 4.5		16	16
FB Total				40	40
L	SS400	40* 40* 5		1704	1704
RB	SS400	19 ϕ		536	536
EXP	XG11	690		36	36
BN	SS400	M 16	10		10
		M 12	88		88
BN Total			98		98
BOLT	SS400	M 10	2		2
		M 5	2		2
BOLT Total			4		4
Total			102	2324	2426

Weight for each Blocks

Main Tower

(Unit : kg)

		Main	Joint	Processed Weight
P11	J1-J2	14326	516	14842
	J2-J3	16239	516	16755
	J3-J4	15475	516	15991
	J4-J5	16239	516	16755
	J5-J6	15475	516	15991
	J6-J7	18039	521	18560
	J7-J8	17307	529	17836
	J8-J9	18063	529	18592
	J9-J10	15632	529	16161
	J10-J11	13919	374	14293
	J11-J12	13077	374	13451
	J12-J13	13033	374	13407
	J13-J14	13783	374	14157
	J14-J15	14286	374	14660
	J15-J16	14266	374	14640
	J16-J17	14250	374	14624
	J17-J18	14240	374	14614
	J18-J19	14230	374	14604
	J19-J20	8228	374	8602
	J20-TOP	10381	305	10686
P12	J1-J2	14326	516	14842
	J2-J3	16239	516	16755
	J3-J4	15475	516	15991
	J4-J5	16239	516	16755
	J5-J6	15475	516	15991
	J6-J7	18039	521	18560
	J7-J8	17307	529	17836
	J8-J9	18063	529	18592
	J9-J10	15632	529	16161
	J10-J11	13919	374	14293
	J11-J12	13077	374	13451
	J12-J13	13033	374	13407
	J13-J14	13783	374	14157
	J14-J15	14286	374	14660
	J15-J16	14266	374	14640
	J16-J17	14250	374	14624
	J17-J18	14240	374	14614
	J18-J19	14230	374	14604
	J19-J20	8228	374	8602
	J20-TOP	10381	305	10686
Total				598442

2. Quantities Calculation

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Tower J1-J2											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 35	3600	274.8	2968	5936	SM490YB		Large	
10	RIB	PL	250* 25	3590	196.2	176	1760	SM490YB		Small	
2	FLG	PL	2430* 35	3600	274.8	2404	4808	SM490YB		Large	
4	RIB	PL	260* 25	3590	196.2	183	732	SM490YB		Small	
1	DIA	PL	2930* 12	2430	94.20	671	671	SM490YA		Small	
2	STF	PL	120* 12	2290	94.20	25.9	52	SM400A		Small	
2	STF	PL	110* 12	900	94.20	9.33	19	SM400A		Small	
5	STF	PL	110* 12	443	94.20	4.59	23	SM400A		Small	
1		PL	840* 35	1040	274.8	240	240	SM490YB		Small	MT1
1		PL	510* 9	710	70.65	25.6	26	SM400A		Small	MT1
2		PL	305* 8	317	62.80	6.07	12	SM400A		Small	MT1
2		PL	60* 8	577	62.80	2.17	4	SM400A		Small	MT1
2		PL	50* 8	297	62.80	0.933	2	SM400A		Small	MT1
2		SGP	20 A	50	1.680	0.084	1	SGP		Small	MT1
3		SGP	20 A	100	1.680	0.168	1	SGP		Small	MT1
1		RB	19 ϕ	450	2.230	1.00	1	SS400		Small	MT1
2		RB	13 ϕ	310	1.040	0.322	1	SS400		Small	MT1
1		PL	60* 19	60	149.2	0.537	1	SM400A		Small	MT1
1		PL	60* 9	60	70.65	0.254	1	SM400A		Small	MT1
2		PLS	35* 5	35	39.65	0.0486	1	SUS304		Small	MT1
1		PLS	30* 5	30	39.65	0.0357	1	SUS304		Small	MT1
1		RB	19 ϕ	305	2.230	0.68	1	SUS304		Small	MT1
1		RB	19 ϕ	135	2.230	0.301	1	SUS304		Small	MT1
1		PLS	60* 12	160	95.16	0.914	1	SUS304		Small	MT1
1		PLS	30* 14	50	111.0	0.166	1	SUS304		Small	MT1
1		PL	21* 9	30	70.65	0.0445	1	SM400A		Small	MT1
2		FB	75* 12	450	7.060	3.18	6	SS400		Small	MT1
2		RB	10 ϕ	105	0.617	0.0648	1	SS400		Small	MT1
1	BASE	PL	350* 22	350	172.7	21.2	21	SM400A		Small	Inclinometer
6		BOLT	M 5* 10			0.003	1	SS400		Purchase	
							J1-J2	14327 kg			
							2@ J1-J2	28654 kg			

Bago Bridge Main Tower J2-J3											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 35	4000	274.8	3298	6596	SM490YB		Large	
10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB		Small	
2	FLG	PL	2430* 35	4000	274.8	2671	5342	SM490YB		Large	

Material Quantities Calculation

(Unit : mm,kg)

4	RIB	PL	260* 25	3990	196.2	203	812	SM490YB	Small		
2	DIA	PL	2930* 12	2430	94.20	671	1342	SM490YA	Small		
4	STF	PL	120* 12	2290	94.20	25.9	104	SM400A	Small		
4	STF	PL	110* 12	900	94.20	9.33	37	SM400A	Small		
10	STF	PL	110* 12	443	94.20	4.59	46	SM400A	Small		
							J2-J3				16239 kg
							2@ J2-J3				32478 kg

Bago Bridge Main Tower J3-J4											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 35	4000	274.8	3298	6596	SM490YB		Large	
10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB		Small	
2	FLG	PL	2430* 35	4000	274.8	2671	5342	SM490YB		Large	
4	RIB	PL	260* 25	3990	196.2	203	812	SM490YB		Small	
1	DIA	PL	2930* 12	2430	94.20	671	671	SM490YA		Small	
2	STF	PL	120* 12	2290	94.20	25.9	52	SM400A		Small	
2	STF	PL	110* 12	900	94.20	9.33	19	SM400A		Small	
5	STF	PL	110* 12	443	94.20	4.59	23	SM400A		Small	
							J3-J4				15475 kg
							2@ J3-J4				30950 kg

Bago Bridge Main Tower J4-J5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 35	4000	274.8	3298	6596	SM490YB		Large	
10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB		Small	
2	FLG	PL	2430* 35	4000	274.8	2671	5342	SM490YB		Large	
4	RIB	PL	260* 25	3990	196.2	203	812	SM490YB		Small	
2	DIA	PL	2930* 12	2430	94.20	671	1342	SM490YA		Small	
4	STF	PL	120* 12	2290	94.20	25.9	104	SM400A		Small	
4	STF	PL	110* 12	900	94.20	9.33	37	SM400A		Small	
10	STF	PL	110* 12	443	94.20	4.59	46	SM400A		Small	
							J4-J5				16239 kg
							2@ J4-J5				32478 kg

Bago Bridge Main Tower J5-J6											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 35	4000	274.8	3298	6596	SM490YB		Large	

Material Quantities Calculation

(Unit : mm,kg)

10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB	Small	
2	FLG	PL	2430* 35	4000	274.8	2671	5342	SM490YB	Large	
4	RIB	PL	260* 25	3990	196.2	203	812	SM490YB	Small	
1	DIA	PL	2930* 12	2430	94.20	671	671	SM490YA	Small	
2	STF	PL	120* 12	2290	94.20	25.9	52	SM400A	Small	
2	STF	PL	110* 12	900	94.20	9.33	19	SM400A	Small	
5	STF	PL	110* 12	443	94.20	4.59	23	SM400A	Small	
							J5-J6	15475 kg		
							2@ J5-J6	30950 kg		

Bago Bridge Main Tower J6-J7											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	4000	314.0	3768	7536	SM490YB		Large	
10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB		Small	
2	FLG	PL	2420* 40	4000	314.0	3040	6080	SM490YB		Large	
4	RIB	PL	280* 27	3990	212.0	237	948	SM490YB		Small	
2	DIA	PL	2920* 12	2420	94.20	666	1332	SM490YA		Small	
4	STF	PL	120* 12	2240	94.20	25.3	101	SM400A		Small	
4	STF	PL	110* 12	900	94.20	9.33	37	SM400A		Small	
10	STF	PL	110* 12	438	94.20	4.54	45	SM400A		Small	
							J6-J7	18039 kg			
							2@ J6-J7	36078 kg			

Bago Bridge Main Tower J7-J8											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	4000	314.0	3768	7536	SM490YB		Large	
10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB		Small	
2	FLG	PL	2430* 40	4000	314.0	3052	6104	SM490YB		Large	
4	RIB	PL	280* 27	3990	212.0	237	948	SM490YB		Small	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
2	STF	PL	120* 12	2240	94.20	25.3	51	SM400A		Small	
2	STF	PL	110* 12	900	94.20	9.33	19	SM400A		Small	
5	STF	PL	110* 12	438	94.20	4.54	23	SM400A		Small	
							J7-J8	17307 kg			
							2@ J7-J8	34614 kg			

Bago Bridge Main Tower J8-J9											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	4000	314.0	3768	7536	SM490YB		Large	
10	RIB	PL	250* 25	3990	196.2	196	1960	SM490YB		Small	
2	FLG	PL	2430* 40	4000	314.0	3052	6104	SM490YB		Large	
4	RIB	PL	280* 27	3990	212.0	237	948	SM490YB		Small	
2	DIA	PL	2920* 12	2420	94.20	666	1332	SM490YA		Small	
4	STF	PL	120* 12	2240	94.20	25.3	101	SM400A		Small	
4	STF	PL	110* 12	900	94.20	9.33	37	SM400A		Small	
10	STF	PL	110* 12	438	94.20	4.54	45	SM400A		Small	
							J8-J9	18063 kg			
							2@ J8-J9	36126 kg			

Bago Bridge Main Tower J9-J10

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2600	314.0	2449	4898	SM490YB		Large	
10	RIB	PL	250* 25	2590	196.2	127	1270	SM490YB		Small	
2	FLG	PL	2420* 40	2600	314.0	1976	3952	SM490YB		Large	
4	RIB	PL	280* 27	789	212.0	46.8	187	SM490YB		Small	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	1270* 40	1000	314.0	399	798	SM490YB		Small	
1	PIPE	STK	355.6* 7.9	961	67.70	65.1	65	STK400		Small	
1	PIPE	STK	355.6* 7.9	960	67.70	65.0	65	STK400		Small	
2	37H-FLG	PL	615* 19	900	149.2	82.6	165	SM490YB		Small	
4	37H-FLG	PL	150* 19	900	149.2	20.1	80	SM490YB		Small	
4	37H-WEB	PL	500* 22	900	172.7	77.7	311	SM490YB		Small	
4	37H-RIB	PL	335* 22	485	172.7	28.1	112	SM490YB		Small	
8	37H-RIB	PL	130* 22	466	172.7	10.5	84	SM490YB		Small	
2	37H-ANC	PL	550* 85	550	667.2	202	404	SS400		Small	
							J9-J10	15632 kg			
							2@ J9-J10	31264 kg			

Bago Bridge Main Tower J10-J11

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2200	314.0	2072	4144	SM490YB		Large	
10	RIB	PL	250* 25	2190	196.2	107	1070	SM490YB		Small	
2	FLG	PL	2420* 40	2200	314.0	1672	3344	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB	Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA	Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB	Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA	Small	
2	DOUBLE	PL	1100* 40	1000	314.0	345	690	SM490YB	Small	
1	PIPE	STK	355.6* 7.9	802	67.70	54.3	54	STK400	Small	
1	PIPE	STK	355.6* 7.9	801	67.70	54.2	54	STK400	Small	
2	37H-FLG	PL	615* 19	900	149.2	82.6	165	SM490YB	Small	
4	37H-FLG	PL	150* 19	900	149.2	20.1	80	SM490YB	Small	
4	37H-WEB	PL	500* 22	900	172.7	77.7	311	SM490YB	Small	
4	37H-RIB	PL	335* 22	485	172.7	28.1	112	SM490YB	Small	
8	37H-RIB	PL	130* 22	466	172.7	10.5	84	SM490YB	Small	
2	37H-ANC	PL	550* 85	550	667.2	202	404	SS400	Small	
J10-J11							13919 kg			
2@ J10-J11							27838 kg			

Bago Bridge Main Tower J11-J12											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	1010* 40	1000	314.0	317	634	SM490YB		Small	
1	PIPE	STK	355.6* 7.9	715	67.70	48.4	48	STK400		Small	
1	PIPE	STK	355.6* 7.9	714	67.70	48.3	48	STK400		Small	
2	37H-FLG	PL	615* 19	900	149.2	82.6	165	SM490YB		Small	
4	37H-FLG	PL	150* 19	900	149.2	20.1	80	SM490YB		Small	
4	37H-WEB	PL	500* 22	900	172.7	77.7	311	SM490YB		Small	
4	37H-RIB	PL	335* 22	485	172.7	28.1	112	SM490YB		Small	
8	37H-RIB	PL	130* 22	466	172.7	10.5	84	SM490YB		Small	
2	37H-ANC	PL	550* 85	550	667.2	202	404	SS400		Small	
J11-J12							13077 kg				
2@ J11-J12							26154 kg				

Bago Bridge Main Tower J12-J13											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	950* 40	1000	314.0	298	596	SM490YB		Small	
1	PIPE	STK	355.6* 7.9	661	67.70	44.7	45	STK400		Small	
1	PIPE	STK	355.6* 7.9	660	67.70	44.7	45	STK400		Small	
2	37H-FLG	PL	615* 19	900	149.2	82.6	165	SM490YB		Small	
4	37H-FLG	PL	150* 19	900	149.2	20.1	80	SM490YB		Small	
4	37H-WEB	PL	500* 22	900	172.7	77.7	311	SM490YB		Small	
4	37H-RIB	PL	335* 22	485	172.7	28.1	112	SM490YB		Small	
8	37H-RIB	PL	130* 22	466	172.7	10.5	84	SM490YB		Small	
2	37H-ANC	PL	550* 85	550	667.2	202	404	SS400		Small	
J12-J13							13033 kg				
2@ J12-J13							26066 kg				

Bago Bridge Main Tower J13-J14											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2200	314.0	2072	4144	SM490YB		Large	
10	RIB	PL	250* 25	2190	196.2	107	1070	SM490YB		Small	
2	FLG	PL	2420* 40	2200	314.0	1672	3344	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	920* 40	1000	314.0	289	578	SM490YB		Small	
1	PIPE	STK	355.6* 7.9	625	67.70	42.3	42	STK400		Small	
1	PIPE	STK	355.6* 7.9	624	67.70	42.2	42	STK400		Small	
2	37H-FLG	PL	615* 19	900	149.2	82.6	165	SM490YB		Small	
4	37H-FLG	PL	150* 19	900	149.2	20.1	80	SM490YB		Small	
4	37H-WEB	PL	500* 22	900	172.7	77.7	311	SM490YB		Small	
4	37H-RIB	PL	335* 22	485	172.7	28.1	112	SM490YB		Small	
8	37H-RIB	PL	130* 22	466	172.7	10.5	84	SM490YB		Small	
2	37H-ANC	PL	550* 85	550	667.2	202	404	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

J13-J14	13783 kg
2@ J13-J14	27566 kg

Bago Bridge Main Tower J14-J15											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	1110* 40	1000	314.0	349	698	SM490YB		Small	
1	PIPE	STK	457.2* 12.7	634	139.0	88.1	88	STK400		Small	
1	PIPE	STK	457.2* 12.7	632	139.0	87.8	88	STK400		Small	
2	70H-FLG	PL	815* 25	900	196.2	144	288	SM490YB		Small	
4	70H-FLG	PL	150* 25	900	196.2	26.5	106	SM490YB		Small	
4	70H-WEB	PL	500* 36	900	282.6	127	508	SM490YB		Small	
4	70H-RIB	PL	435* 36	485	282.6	59.6	238	SM490YB		Small	
8	70H-RIB	PL	130* 36	460	282.6	16.9	135	SM490YB		Small	
2	70H-ANC	PL	740* 110	740	863.5	473	946	SS400		Small	
J14-J15							14286 kg				
2@ J14-J15							28572 kg				

Bago Bridge Main Tower J15-J16											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	1090* 40	1000	314.0	342	684	SM490YB		Small	
1	PIPE	STK	457.2* 12.7	612	139.0	85.1	85	STK400		Small	
1	PIPE	STK	457.2* 12.7	611	139.0	84.9	85	STK400		Small	
2	70H-FLG	PL	815* 25	900	196.2	144	288	SM490YB		Small	
4	70H-FLG	PL	150* 25	900	196.2	26.5	106	SM490YB		Small	

Material Quantities Calculation

(Unit : mm,kg)

4	70H-WEB	PL	500* 36	900	282.6	127	508	SM490YB	Small	
4	70H-RIB	PL	435* 36	485	282.6	59.6	238	SM490YB	Small	
8	70H-RIB	PL	130* 36	460	282.6	16.9	135	SM490YB	Small	
2	70H-ANC	PL	740* 110	740	863.5	473	946	SS400	Small	
J15-J16							14266 kg			
2@ J15-J16							28532 kg			

Bago Bridge Main Tower J16-J17											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	1070* 40	1000	314.0	336	672	SM490YB		Small	
1	PIPE	STK	457.2* 12.7	595	139.0	82.7	83	STK400		Small	
1	PIPE	STK	457.2* 12.7	594	139.0	82.6	83	STK400		Small	
2	70H-FLG	PL	815* 25	900	196.2	144	288	SM490YB		Small	
4	70H-FLG	PL	150* 25	900	196.2	26.5	106	SM490YB		Small	
4	70H-WEB	PL	500* 36	900	282.6	127	508	SM490YB		Small	
4	70H-RIB	PL	435* 36	485	282.6	59.6	238	SM490YB		Small	
8	70H-RIB	PL	130* 36	460	282.6	16.9	135	SM490YB		Small	
2	70H-ANC	PL	740* 110	740	863.5	473	946	SS400		Small	
J16-J17							14250 kg				
2@ J16-J17							28500 kg				

Bago Bridge Main Tower J17-J18											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	DOUBLE	PL	1060* 40	1000	314.0	333	666	SM490YB	Small	
1	PIPE	STK	457.2* 12.7	581	139.0	80.8	81	STK400	Small	
1	PIPE	STK	457.2* 12.7	581	139.0	80.8	81	STK400	Small	
2	70H-FLG	PL	815* 25	900	196.2	144	288	SM490YB	Small	
4	70H-FLG	PL	150* 25	900	196.2	26.5	106	SM490YB	Small	
4	70H-WEB	PL	500* 36	900	282.6	127	508	SM490YB	Small	
4	70H-RIB	PL	435* 36	485	282.6	59.6	238	SM490YB	Small	
8	70H-RIB	PL	130* 36	460	282.6	16.9	135	SM490YB	Small	
2	70H-ANC	PL	740* 110	740	863.5	473	946	SS400	Small	
J17-J18							14240 kg			
2@ J17-J18							28480 kg			

Bago Bridge Main Tower J18-J19											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2000	314.0	1884	3768	SM490YB		Large	
10	RIB	PL	250* 25	1990	196.2	97.6	976	SM490YB		Small	
2	FLG	PL	2420* 40	2000	314.0	1520	3040	SM490YB		Large	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA		Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB		Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA		Small	
2	BULKHEAD	PL	2920* 30	1794	235.5	1234	2468	SM490YB		Small	
2	BH-FLG	PL	250* 12	2280	94.20	53.7	107	SM490YA		Small	
2	DOUBLE	PL	1050* 40	1000	314.0	330	660	SM490YB		Small	
1	PIPE	STK	457.2* 12.7	570	139.0	79.2	79	STK400		Small	
1	PIPE	STK	457.2* 12.7	570	139.0	79.2	79	STK400		Small	
2	70H-FLG	PL	815* 25	900	196.2	144	288	SM490YB		Small	
4	70H-FLG	PL	150* 25	900	196.2	26.5	106	SM490YB		Small	
4	70H-WEB	PL	500* 36	900	282.6	127	508	SM490YB		Small	
4	70H-RIB	PL	435* 36	485	282.6	59.6	238	SM490YB		Small	
8	70H-RIB	PL	130* 36	460	282.6	16.9	135	SM490YB		Small	
2	70H-ANC	PL	740* 110	740	863.5	473	946	SS400		Small	
J18-J19							14230 kg				
2@ J18-J19							28460 kg				

Bago Bridge Main Tower J19-J20											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	1900	314.0	1790	3580	SM490YB		Large	
4	RIB	PL	250* 25	1890	196.2	92.7	371	SM490YB		Small	
6	RIB	PL	250* 25	389	196.2	19.1	115	SM490YB		Small	

Material Quantities Calculation

(Unit : mm,kg)

2	FLG	PL	2420* 40	1900	314.0	1444	2888	SM490YB	Large	
4	RIB	PL	280* 27	1489	212.0	88.4	354	SM490YB	Small	
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA	Small	
4	BULKHEAD	PL	394* 30	358	235.5	33.2	133	SM490YB	Small	
4	BH-FLG	PL	250* 12	347	94.20	8.17	33	SM490YA	Small	
2	STF	PL	120* 12	2240	94.20	25.3	51	SM400A	Small	
4	STF	PL	110* 12	438	94.20	4.54	18	SM400A	Small	
2	STF	PL	110* 12	718	94.20	7.44	15	SM400A	Small	
1	BASE	PL	140* 22	180	172.7	4.35	4	SM400A	Small	Inclinometer
4		BOLT	M 10* 20			0.024	1	SS400	Purchase	
J19-J20							8229 kg			
2@ J19-J20							16458 kg			

Bago Bridge Main Tower J20-TOP											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2	WEB	PL	3000* 40	2900	314.0	2732	5464	SM490YB	Large		
2	RIB	PL	250* 25	399	196.2	19.6	39	SM490YB	Small		
2	RIB	PL	250* 25	409	196.2	20.1	40	SM490YB	Small		
1	FLG	PL	2420* 40	2900	314.0	2204	2204	SM490YB	Large		
1	FLG	PL	2420* 40	1430	314.0	1087	1087	SM490YB	Large		
2	RIB	PL	280* 27	389	212.0	23.1	46	SM490YB	Small		
2	RIB	PL	280* 27	419	212.0	24.9	50	SM490YB	Small		
1	RIB	PL	100* 10	2420	78.50	19.0	19	SM400A	Small		
2	RIB	PL	100* 10	2920	78.50	22.9	46	SM400A	Small		
2	RIB	PL	100* 10	835	78.50	6.55	13	SM400A	Small		
1	DIA	PL	2920* 12	2420	94.20	666	666	SM490YA	Small		
2	WEB	PL	250* 9	2420	70.65	42.7	85	SM400A	Small		
2	FLG	PL	250* 16	2420	125.6	76.0	152	SM400A	Small		
16	VSTF	PL	100* 9	250	70.65	1.77	28	SM400A	Small		
8	BASE	PL	290* 22	290	172.7	14.5	116	SM400A	Small		
4		PL	450* 9	367	70.65	11.7	47	SS400	Small		
24		BN	M 16* 70			0.196	5	SS400	Purchase		
1		PL	780* 22	980	172.7	132	132	SM490YB	Small	MT2	
1		PL	510* 9	710	70.65	25.6	26	SM400A	Small	MT2	
2		PL	305* 8	281	62.80	5.38	11	SM400A	Small	MT2	
2		PL	60* 8	520	62.80	1.96	4	SM400A	Small	MT2	
2		PL	50* 8	297	62.80	0.933	2	SM400A	Small	MT2	
2		SGP	20 A	50	1.680	0.084	1	SGP	Small	MT2	
3		SGP	20 A	100	1.680	0.168	1	SGP	Small	MT2	
1		RB	19 ϕ	450	2.230	1.00	1	SS400	Small	MT2	
2		RB	13 ϕ	310	1.040	0.322	1	SS400	Small	MT2	

Material Quantities Calculation

(Unit : mm,kg)

1		PL	60* 19	60	149.2	0.537	1	SM400A	Small	MT2	
1		PL	60* 9	60	70.65	0.254	1	SM400A	Small	MT2	
2		PLS	35* 5	35	39.65	0.0486	1	SUS304	Small	MT2	
1		PLS	30* 5	30	39.65	0.0357	1	SUS304	Small	MT2	
1		RB	19 ϕ	269	2.230	0.6	1	SUS304	Small	MT2	
1		RB	19 ϕ	135	2.230	0.301	1	SUS304	Small	MT2	
1		PLS	60* 12	160	95.16	0.914	1	SUS304	Small	MT2	
1		PLS	30* 14	50	111.0	0.166	1	SUS304	Small	MT2	
1		PL	21* 9	30	70.65	0.0445	1	SM400A	Small	MT2	
2		FB	75* 12	450	7.060	3.18	6	SS400	Small	MT2	
1	BASE	PL	400* 22	650	172.7	44.9	45	SM400A	Small		
3	RIB	PL	300* 15	380	117.8	13.4	40	SM400A	Small		
J20-TOP							10386 kg				
2@ J20-TOP							20772 kg				
Main Tower							580990 kg				
Bago Bridge							580990 kg				

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Tower Joints J1											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	200* 16	710	125.6	17.8	142	SM490YA		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
							J1			701 kg	
							2@ J1			1402 kg	

Bago Bridge Main Tower Joints J2											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	200* 16	710	125.6	17.8	142	SM490YA		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
							J2			701 kg	
							2@ J2			1402 kg	

Bago Bridge Main Tower Joints J3											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	200* 16	710	125.6	17.8	142	SM490YA		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
							J3			701 kg	
							2@ J3			1402 kg	

Bago Bridge Main Tower Joints J4											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	200* 16	710	125.6	17.8	142	SM490YA		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
							J4			701 kg	
							2@ J4			1402 kg	

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Tower Joints J5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	200* 16	710	125.6	17.8	142	SM490YA		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
							J5	701 kg			
							2@ J5	1402 kg			

Bago Bridge Main Tower Joints J6											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	200* 16	710	125.6	17.8	142	SM490YA		Small	
4	FILL	PL	200* 2.3	350	18.06	1.26	5	SS400		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
							J6	706 kg			
							2@ J6	1412 kg			

Bago Bridge Main Tower Joints J7											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	235* 17	620	133.4	19.4	155	SM490YB		Small	
96		TCB	M 22* 100			0.613	59	S10T		Purchase	
							J7	720 kg			
							2@ J7	1440 kg			

Bago Bridge Main Tower Joints J8											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	235* 17	620	133.4	19.4	155	SM490YB		Small	
96		TCB	M 22* 100			0.613	59	S10T		Purchase	

Material Quantities Calculation

(Unit : mm,kg)

J8		720 kg
2@ J8		1440 kg

Bago Bridge Main Tower Joints J9											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
8	SPL	PL	235* 17	620	133.4	19.4	155	SM490YB		Small	
96		TCB	M 22* 100			0.613	59	S10T		Purchase	
J9							720 kg				
2@ J9							1440 kg				

Bago Bridge Main Tower Joints J10											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
J10							506 kg				
2@ J10							1012 kg				

Bago Bridge Main Tower Joints J11											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
J11							506 kg				
2@ J11							1012 kg				

Bago Bridge Main Tower Joints J12											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
J12							506 kg				
2@ J12							1012 kg				

Bago Bridge Main Tower Joints J13											

Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J13	506 kg			
							2@ J13	1012 kg			

Bago Bridge Main Tower Joints J14											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J14	506 kg			
							2@ J14	1012 kg			

Bago Bridge Main Tower Joints J15											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J15	506 kg			
							2@ J15	1012 kg			

Bago Bridge Main Tower Joints J16											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J16	506 kg			
							2@ J16	1012 kg			

Bago Bridge Main Tower Joints J17											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J17	506 kg			
							2@ J17	1012 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Main Tower Joints J18											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J18	506 kg			
							2@ J18	1012 kg			

Bago Bridge Main Tower Joints J19											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
20	SPL	PL	210* 16	710	125.6	18.7	374	SM490YA		Small	
220		TCB	M 22* 95			0.598	132	S10T		Purchase	
							J19	506 kg			
							2@ J19	1012 kg			

Bago Bridge Main Tower Joints J20											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
8	SPL	PL	210* 16	710	125.6	18.7	150	SM490YA		Small	
88		TCB	M 22* 95			0.598	53	S10T		Purchase	
8	SPL	PL	235* 17	620	133.4	19.4	155	SM490YB		Small	
96		TCB	M 22* 100			0.613	59	S10T		Purchase	
							J20	417 kg			
							2@ J20	834 kg			
							Main Tower Joints	23696 kg			
							Bago Bridge	23696 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Tower Ladder LL-1											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-1			40 kg	
							2@ LL-1			80 kg	

Bago Bridge Tower Ladder LL-2											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-2			40 kg	
							2@ LL-2			80 kg	

Bago Bridge Tower Ladder LL-3											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-3			40 kg	
							2@ LL-3			80 kg	

Bago Bridge Tower Ladder LL-4											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating	
							LL-4		40 kg			
							2@ LL-4		80 kg			

Bago Bridge Tower Ladder LL-5												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating	
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating	
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating	
6		PL	100* 9	165	70.65	1.17	7	SS400		Small		
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating	
							LL-5		40 kg			
							2@ LL-5		80 kg			

Bago Bridge Tower Ladder LL-6												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating	
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating	
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating	
6		PL	100* 9	165	70.65	1.17	7	SS400		Small		
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating	
							LL-6		40 kg			
							2@ LL-6		80 kg			

Bago Bridge Tower Ladder LL-7												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating	
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating	
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating	
6		PL	100* 9	165	70.65	1.17	7	SS400		Small		
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating	
							LL-7		34 kg			
							2@ LL-7		68 kg			

Bago Bridge Tower Ladder LL-8											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-8			34 kg	
							2@ LL-8			68 kg	

Bago Bridge Tower Ladder LL-9											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-9			34 kg	
							2@ LL-9			68 kg	

Bago Bridge Tower Ladder LL-10											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-10			34 kg	
							2@ LL-10			68 kg	

Bago Bridge Tower Ladder LL-11											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating

Material Quantities Calculation

(Unit : mm,kg)

		LL-11	34 kg
		2@ LL-11	68 kg

Bago Bridge Tower Ladder LL-12											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
		LL-12	34 kg								
		2@ LL-12	68 kg								

Bago Bridge Tower Ladder LL-13											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
		LL-13	34 kg								
		2@ LL-13	68 kg								

Bago Bridge Tower Ladder LL-14											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
		LL-14	34 kg								
		2@ LL-14	68 kg								

Bago Bridge Tower Ladder LL-15											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating

Material Quantities Calculation

(Unit : mm,kg)

2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-15	34 kg			
							2@ LL-15	68 kg			

Bago Bridge Tower Ladder LL-16											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-16	34 kg			
							2@ LL-16	68 kg			

Bago Bridge Tower Ladder LL-17											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LL-17	34 kg			
							2@ LL-17	68 kg			

Bago Bridge Tower Ladder LR-1											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-1	40 kg			
							2@ LR-1	80 kg			

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Tower Ladder LR-2											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-2	40 kg			
							2@ LR-2	80 kg			

Bago Bridge Tower Ladder LR-3											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-3	40 kg			
							2@ LR-3	80 kg			

Bago Bridge Tower Ladder LR-4											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
4		PL	100* 9	165	70.65	1.17	5	SS400		Small	
2		PL	100* 9	160	70.65	1.13	2	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-4	40 kg			
							2@ LR-4	80 kg			

Bago Bridge Tower Ladder LR-5											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3900	2.950	11.5	23	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating

Material Quantities Calculation

(Unit : mm,kg)

11		RB	19 ϕ	320	2.230	0.714	8	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-5		40 kg		
							2@ LR-5		80 kg		

Bago Bridge Tower Ladder LR-6											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-6		34 kg		
							2@ LR-6		68 kg		

Bago Bridge Tower Ladder LR-7											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-7		34 kg		
							2@ LR-7		68 kg		

Bago Bridge Tower Ladder LR-8											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-8		34 kg		
							2@ LR-8		68 kg		

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Tower Ladder LR-9											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-9	34 kg			
							2@ LR-9	68 kg			

Bago Bridge Tower Ladder LR-10											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-10	34 kg			
							2@ LR-10	68 kg			

Bago Bridge Tower Ladder LR-11											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-11	34 kg			
							2@ LR-11	68 kg			

Bago Bridge Tower Ladder LR-12											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	

Material Quantities Calculation

(Unit : mm,kg)

12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-12		34 kg		
							2@ LR-12		68 kg		

Bago Bridge Tower Ladder LR-13											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-13		34 kg		
							2@ LR-13		68 kg		

Bago Bridge Tower Ladder LR-14											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-14		34 kg		
							2@ LR-14		68 kg		

Bago Bridge Tower Ladder LR-15											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-15		34 kg		
							2@ LR-15		68 kg		

Bago Bridge Tower Ladder LR-16											
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Material Quantities Calculation

(Unit : mm,kg)

Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-16	34 kg			
							2@ LR-16	68 kg			

Bago Bridge Tower Ladder LR-17											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	3300	2.950	9.74	19	SS400		Processed	Plating
2		L	40* 40* 5	150	2.950	0.442	1	SS400		Processed	Plating
9		RB	19 ϕ	320	2.230	0.714	6	SS400		Processed	Plating
6		PL	100* 9	165	70.65	1.17	7	SS400		Small	
12	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-17	34 kg			
							2@ LR-17	68 kg			

Bago Bridge Tower Ladder LR-18											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	1906	2.950	5.62	11	SS400		Processed	Plating
6		RB	19 ϕ	320	2.230	0.714	4	SS400		Processed	Plating
2		PL	120* 9	128	70.65	1.09	2	SS400		Small	
2		PL	120* 9	127	70.65	1.08	2	SS400		Small	
8	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LR-18	20 kg			
							2@ LR-18	40 kg			

Bago Bridge Tower Ladder LH-1											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remakrs
2		L	40* 40* 5	2350	2.950	6.93	14	SS400		Processed	Plating
6		RB	19 ϕ	320	2.230	0.714	4	SS400		Processed	Plating
4		PL	100* 9	165	70.65	1.17	5	SS400		Small	
8	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LH-1	24 kg			

Material Quantities Calculation

(Unit : mm,kg)

4@ LH-1

96 kg

Bago Bridge Tower Ladder LH-2											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	1900	2.950	5.60	11	SS400		Processed	Plating
6		RB	19 ϕ	320	2.230	0.714	4	SS400		Processed	Plating
4		PL	100* 9	165	70.65	1.17	5	SS400		Small	
8	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LH-2			21 kg	
							12@ LH-2			252 kg	

Bago Bridge Tower Ladder LH-3											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	1730	2.950	5.10	10	SS400		Processed	Plating
5		RB	19 ϕ	320	2.230	0.714	4	SS400		Processed	Plating
4		PL	100* 9	165	70.65	1.17	5	SS400		Small	
8	1-W,U-Nut	BN	M 12* 35			0.073	1	SS400		Purchase	Plating
							LH-3			20 kg	
							2@ LH-3			40 kg	

Bago Bridge Tower Ladder LH-4											
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks
2		L	40* 40* 5	2150	2.950	6.34	13	SS400		Processed	Plating
3		RB	19 ϕ	320	2.230	0.714	2	SS400		Processed	Plating
2		PL	150* 6	265	47.10	1.87	4	SS400		Small	Plating
							LH-4			19 kg	
							2@ LH-4			38 kg	

Bago Bridge Tower Ladder SLIDE COVER												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
1		EXP		690	910	14.50	9.10	9	XG11		Processed	Plating
2		FB	50* 4.5	911	1.770	1.61	3	SS400		Processed	Plating	
2		FB	50* 4.5	700	1.770	1.24	2	SS400		Processed	Plating	
1		FB	50* 4.5	691	1.770	1.22	1	SS400		Processed	Plating	
2		FB	32* 4.5	847	1.130	0.957	2	SS400		Processed	Plating	
2		FB	32* 4.5	691	1.130	0.781	2	SS400		Processed	Plating	

Material Quantities Calculation

(Unit : mm,kg)

SLIDE COVER		19 kg
4@ SLIDE COVER		76 kg

Bago Bridge Tower Ladder SLIDE RAIL												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
2		FB	65* 6	600	3.060	1.84	4	SS400		Processed		
4		FB	65* 6	371	3.060	1.14	5	SS400		Processed		
SLIDE RAIL							9 kg					
2@ SLIDE RAIL							18 kg					
Tower Ladder							3004 kg					
Bago Bridge							3004 kg					

Material Quantities Calculation

(Unit : mm,kg)

Bago Bridge Wind-resist Equipment AERODYNAMIC DEVICE												
Qty	Items	Category	Section	Length	Unit Weight	Piece Weight	Weight	Grade	Net	Member	Remarks	
4		PL	360* 30	1900	235.5	161	644	SM400A		Small		
20		PL	360* 30	1600	235.5	136	2720	SM400A		Small		
4		PL	360* 30	1500	235.5	127	508	SM400A		Small		
2		PL	360* 30	2680	235.5	227	454	SM400A		Small		
2		PL	360* 30	1210	235.5	103	206	SM400A		Small		
28		PL	360* 30	400	235.5	33.9	949	SM400A		Small		
64	RIB	PL	285* 19	350	149.2	14.9	954	SM400A		Small		
AERODYNAMIC DEVICE							6435 kg					
2@ AERODYNAMIC DEVICE							12870 kg					
Wind-resist Equipment							12870 kg					
Bago Bridge							12870 kg					

3. Large Member Welding Length Calculation

Welding Length Summary

	Bago Bridge	Total
Butt Welding Length(m)		
T-joint Welding Length (m)	906.640	906.640

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Tower J1-J2												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	35					3600	4	57.600	
J1-J2											57.6 m	

Bago Bridge Tower J2-J3												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	35					4000	4	64.000	
J2-J3											64 m	

Bago Bridge Tower J3-J4												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	35					4000	4	64.000	
J3-J4											64 m	

Bago Bridge Tower J4-J5												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	35					4000	4	64.000	
J4-J5											64 m	

Bago Bridge Tower J5-J6												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	35					4000	4	64.000	
J5-J6											64 m	

Bago Bridge Tower J6-J7												

Welding Length Calculation

(Unit: mm,m)

Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					4000	4	64.000	
J6-J7											64 m	

Bago Bridge Tower J7-J8												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	40					4000	4	64.000	
J7-J8											64 m	

Bago Bridge Tower J8-J9												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2430	40					4000	4	64.000	
J8-J9											64 m	

Bago Bridge Tower J9-J10												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					2600	4	41.600	
J9-J10											41.6 m	

Bago Bridge Tower J10-J11												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					2200	4	35.200	
J10-J11											35.2 m	

Bago Bridge Tower J11-J12												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					2000	4	32.000	

Welding Length Calculation

(Unit: mm,m)

J11-J12													32 m
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Bago Bridge Tower J12-J13													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
2	2	FLG	2420	40					2000	4	32.000		
J12-J13													32 m

Bago Bridge Tower J13-J14													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
2	2	FLG	2420	40					2200	4	35.200		
J13-J14													35.2 m

Bago Bridge Tower J14-J15													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
2	2	FLG	2420	40					2000	4	32.000		
J14-J15													32 m

Bago Bridge Tower J15-J16													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
2	2	FLG	2420	40					2000	4	32.000		
J15-J16													32 m

Bago Bridge Tower J16-J17													
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4	
2	2	FLG	2420	40					2000	4	32.000		
J16-J17													32 m

Welding Length Calculation

(Unit: mm,m)

Bago Bridge Tower J17-J18												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					2000	4	32.000	
J17-J18											32 m	

Bago Bridge Tower J18-J19												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					2000	4	32.000	
J18-J19											32 m	

Bago Bridge Tower J19-J20												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	2	FLG	2420	40					1900	4	30.400	
J19-J20											30.4 m	

Bago Bridge Tower J20-TOP												
Layer	Qty	Items	Width	Thickness	Joint Width	Type	Convert Rate	Joint Length(m)	T-joint Length	Lines	T-joint Length(m)	Layer 4
2	1	FLG	2420	40					2900	4	23.200	
2	1	FLG	2420	40					1430	4	11.440	
J20-TOP											34.64 m	
Tower											906.64 m	
Bago Bridge											906.64 m	

4. Painting Area Calculation

Painting Area Summary

Main Tower

(Unit: m²)

Items		Calculation	Total Area	Remarks
Shop Painting	General Outer Surface	A-E-a1	1380.5	C-5
	General Outer Surface Additional	B-F-a2		C-5 (additional)
	General Inner Surface	C-G-a3	3158.2	
	Steel Deck Slab Upper Surface	D-H-a4		
Site Painting	Splice	General Outer Surface	E	
		General Outer Surface Additional	F	
		General Inner Surface	G	139.2
		Steel Deck Slab Upper Surface	H	
	Bolting	General Outer Surface	I	
		General Outer Surface Additional	J	
		General Inner Surface	K	52.4
		Steel Deck Slab Upper Surface	L	
	Welding	General Outer Surface	a1	44.0
		General Outer Surface Additional	a2	
		General Inner Surface	a3	52.9
		Steel Deck Slab Upper Surface	a4	
Friction Joint Surface		M	278.3	

Calculation Results

Summary for each Painting System

(Unit:m²)

Symbol	Painting System	Bago Bridge	Total
A	General-Outer Surface	1424.54	1424.54
B	General-Outer Surface Additional		
C	General-Inner Surface	3350.38	3350.38
D	General Deck Slab Upper Surface		
E	Splice-Outer Surface		
F	Splice-Outer Surface Additional		
G	Splice-Inner Surface	139.22	139.22
H	Splice Deck Slab Upper Surface		
I	Bolting-Outer Surface		
J	Bolting-Outer Surface Additional		
K	Bolting-Inner Surface	52.40	52.40
L	Bolting Deck Slab Upper Surface		
M	Splice Plate Contact Area	278.26	278.26

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower J1-J2												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remakrs
2	WEB	PL	3000* 35	3600		43.20	A	21.60	C	21.60		
10	RIB	PL	250* 25	3590		17.95	C	17.95				
2	FLG	PL	2430* 35	3600		34.99	A	17.50	C	17.50		
4	RIB	PL	260* 25	3590		7.47	C	7.47				
1	DIA	PL	2930* 12	2430		14.24	C	14.24				
2	STF	PL	120* 12	2290		1.10	C	1.10				
2	STF	PL	110* 12	900		0.40	C	0.40				
5	STF	PL	110* 12	443		0.49	C	0.49				
1		PL	840* 35	1040		1.75						MT1
1		PL	510* 9	710		0.72						MT1
2		PL	305* 8	317		0.39	C	0.39				MT1
2		PL	60* 8	577		0.14	C	0.14				MT1
2		PL	50* 8	297		0.06	C	0.06				MT1
2		SGP	20 A	50		0.05						MT1
3		SGP	20 A	100		0.05						MT1
1		RB	19 ϕ	450		0.03						MT1
2		RB	13 ϕ	310		0.03	A	0.03	C	0.03		MT1
1		PL	60* 19	60		0.01						MT1
1		PL	60* 9	60		0.01						MT1
2		PLS	35* 5	35		0.00						MT1
1		PLS	30* 5	30		0.00						MT1
1		RB	19 ϕ	305		0.02						MT1
1		RB	19 ϕ	135		0.01						MT1
1		PLS	60* 12	160		0.02						MT1
1		PLS	30* 14	50		0.00						MT1
1		PL	21* 9	30		0.00						MT1
2		FB	75* 12	450		0.15						MT1
2		RB	10 ϕ	105		0.01						MT1
1	BASE	PL	350* 22	350		0.25						Inclinometer
6		BOLT	M 5* 10									
J1-J2							A	39.13	C	81.37		
2@ J1-J2							A	78.26	C	162.74		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J2-J3													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 35	4000		48.00	A	24.00	C	24.00			
10	RIB	PL	250* 25	3990		19.95	C	19.95					
2	FLG	PL	2430* 35	4000		38.88	A	19.44	C	19.44			
4	RIB	PL	260* 25	3990		8.30	C	8.30					
2	DIA	PL	2930* 12	2430		28.48	C	28.48					
4	STF	PL	120* 12	2290		2.20	C	2.20					
4	STF	PL	110* 12	900		0.79	C	0.79					
10	STF	PL	110* 12	443		0.97	C	0.97					
J2-J3							A	43.44	C	104.13			
2@ J2-J3							A	86.88	C	208.26			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J3-J4													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 35	4000		48.00	A	24.00	C	24.00			
10	RIB	PL	250* 25	3990		19.95	C	19.95					
2	FLG	PL	2430* 35	4000		38.88	A	19.44	C	19.44			
4	RIB	PL	260* 25	3990		8.30	C	8.30					
1	DIA	PL	2930* 12	2430		14.24	C	14.24					
2	STF	PL	120* 12	2290		1.10	C	1.10					
2	STF	PL	110* 12	900		0.40	C	0.40					
5	STF	PL	110* 12	443		0.49	C	0.49					
J3-J4							A	43.44	C	87.92			
2@ J3-J4							A	86.88	C	175.84			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J4-J5												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 35	4000		48.00	A	24.00	C	24.00		
10	RIB	PL	250* 25	3990		19.95	C	19.95				
2	FLG	PL	2430* 35	4000		38.88	A	19.44	C	19.44		
4	RIB	PL	260* 25	3990		8.30	C	8.30				
2	DIA	PL	2930* 12	2430		28.48	C	28.48				
4	STF	PL	120* 12	2290		2.20	C	2.20				
4	STF	PL	110* 12	900		0.79	C	0.79				
10	STF	PL	110* 12	443		0.97	C	0.97				
J4-J5							A	43.44	C	104.13		
2@ J4-J5							A	86.88	C	208.26		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J5-J6													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 35	4000		48.00	A	24.00	C	24.00			
10	RIB	PL	250* 25	3990		19.95	C	19.95					
2	FLG	PL	2430* 35	4000		38.88	A	19.44	C	19.44			
4	RIB	PL	260* 25	3990		8.30	C	8.30					
1	DIA	PL	2930* 12	2430		14.24	C	14.24					
2	STF	PL	120* 12	2290		1.10	C	1.10					
2	STF	PL	110* 12	900		0.40	C	0.40					
5	STF	PL	110* 12	443		0.49	C	0.49					
J5-J6							A	43.44	C	87.92			
2@ J5-J6							A	86.88	C	175.84			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J6-J7													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 40	4000		48.00	A	24.00	C	24.00			
10	RIB	PL	250* 25	3990		19.95	C	19.95					
2	FLG	PL	2420* 40	4000		38.72	A	19.36	C	19.36			
4	RIB	PL	280* 27	3990		8.94	C	8.94					
2	DIA	PL	2920* 12	2420		28.27	C	28.27					
4	STF	PL	120* 12	2240		2.15	C	2.15					
4	STF	PL	110* 12	900		0.79	C	0.79					
10	STF	PL	110* 12	438		0.96	C	0.96					
J6-J7							A	43.36	C	104.42			
2@ J6-J7							A	86.72	C	208.84			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J7-J8												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	4000		48.00	A	24.00	C	24.00		
10	RIB	PL	250* 25	3990		19.95	C	19.95				
2	FLG	PL	2430* 40	4000		38.88	A	19.44	C	19.44		
4	RIB	PL	280* 27	3990		8.94	C	8.94				
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
2	STF	PL	120* 12	2240		1.08	C	1.08				
2	STF	PL	110* 12	900		0.40	C	0.40				
5	STF	PL	110* 12	438		0.48	C	0.48				
J7-J8							A	43.44	C	88.42		
2@ J7-J8							A	86.88	C	176.84		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J8-J9												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	4000		48.00	A	24.00	C	24.00		
10	RIB	PL	250* 25	3990		19.95	C	19.95				
2	FLG	PL	2430* 40	4000		38.88	A	19.44	C	19.44		
4	RIB	PL	280* 27	3990		8.94	C	8.94				
2	DIA	PL	2920* 12	2420		28.27	C	28.27				
4	STF	PL	120* 12	2240		2.15	C	2.15				
4	STF	PL	110* 12	900		0.79	C	0.79				
10	STF	PL	110* 12	438		0.96	C	0.96				
J8-J9							A	43.44	C	104.50		
2@ J8-J9							A	86.88	C	209.00		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J9-J10												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2600		31.20	A	15.60	C	15.60		
10	RIB	PL	250* 25	2590		12.95	C	12.95				
2	FLG	PL	2420* 40	2600		25.17	A	12.58	C	12.58		
4	RIB	PL	280* 27	789		1.77	C	1.77				
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1270* 40	1000		5.08						
1	PIPE	STK	355.6* 7.9	961		1.07	C	1.07				
1	PIPE	STK	355.6* 7.9	960		1.07	C	1.07				
2	37H-FL	PL	615* 19	900		2.21	C	2.21				
4	37H-FL	PL	150* 19	900		1.08	C	1.08				
4	37H-W	PL	500* 22	900		3.60	C	3.60				
4	37H-R	PL	335* 22	485		1.30	C	1.30				
8	37H-R	PL	130* 22	466		0.97	C	0.97				
2	37H-A	PL	550* 85	550		1.21						
J9-J10							A	28.18	C	91.56		
2@ J9-J10							A	56.36	C	183.12		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J10-J11													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 40	2200		26.40	A	13.20	C	13.20			
10	RIB	PL	250* 25	2190		10.95	C	10.95					
2	FLG	PL	2420* 40	2200		21.30	A	10.65	C	10.65			
1	DIA	PL	2920* 12	2420		14.13	C	14.13					
4	BULKH	PL	394* 30	358		1.13	C	1.13					
4	BH-FL	PL	250* 12	347		0.69	C	0.69					
2	BULKH	PL	2920* 30	1794		20.95	C	20.95					
2	BH-FL	PL	250* 12	2280		2.28	C	2.28					
2	DOUBL	PL	1100* 40	1000		4.40							
1	PIPE	STK	355.6* 7.9	802		0.89	C	0.89					
1	PIPE	STK	355.6* 7.9	801		0.89	C	0.89					
2	37H-FL	PL	615* 19	900		2.21	C	2.21					
4	37H-FL	PL	150* 19	900		1.08	C	1.08					
4	37H-WE	PL	500* 22	900		3.60	C	3.60					
4	37H-RI	PL	335* 22	485		1.30	C	1.30					
8	37H-RI	PL	130* 22	466		0.97	C	0.97					
2	37H-AN	PL	550* 85	550		1.21							
J10-J11							A	23.85	C	84.92			
2@ J10-J11							A	47.70	C	169.84			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J11-J12												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1010* 40	1000		4.04						
1	PIPE	STK	355.6* 7.9	715		0.79	C	0.79				
1	PIPE	STK	355.6* 7.9	714		0.79	C	0.79				
2	37H-FL	PL	615* 19	900		2.21	C	2.21				
4	37H-FL	PL	150* 19	900		1.08	C	1.08				
4	37H-WE	PL	500* 22	900		3.60	C	3.60				
4	37H-RI	PL	335* 22	485		1.30	C	1.30				
8	37H-RI	PL	130* 22	466		0.97	C	0.97				
2	37H-AN	PL	550* 85	550		1.21						
J11-J12							A	21.68	C	81.55		
2@ J11-J12							A	43.36	C	163.10		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J12-J13												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	950* 40	1000		3.80						
1	PIPE	STK	355.6* 7.9	661		0.74	C	0.74				
1	PIPE	STK	355.6* 7.9	660		0.74	C	0.74				
2	37H-FL	PL	615* 19	900		2.21	C	2.21				
4	37H-FL	PL	150* 19	900		1.08	C	1.08				
4	37H-WE	PL	500* 22	900		3.60	C	3.60				
4	37H-RI	PL	335* 22	485		1.30	C	1.30				
8	37H-RI	PL	130* 22	466		0.97	C	0.97				
2	37H-AN	PL	550* 85	550		1.21						
J12-J13							A	21.68	C	81.45		
2@ J12-J13							A	43.36	C	162.90		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J13-J14													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 40	2200		26.40	A	13.20	C	13.20			
10	RIB	PL	250* 25	2190		10.95	C	10.95					
2	FLG	PL	2420* 40	2200		21.30	A	10.65	C	10.65			
1	DIA	PL	2920* 12	2420		14.13	C	14.13					
4	BULKH	PL	394* 30	358		1.13	C	1.13					
4	BH-FL	PL	250* 12	347		0.69	C	0.69					
2	BULKH	PL	2920* 30	1794		20.95	C	20.95					
2	BH-FL	PL	250* 12	2280		2.28	C	2.28					
2	DOUBL	PL	920* 40	1000		3.68							
1	PIPE	STK	355.6* 7.9	625		0.69	C	0.69					
1	PIPE	STK	355.6* 7.9	624		0.69	C	0.69					
2	37H-FL	PL	615* 19	900		2.21	C	2.21					
4	37H-FL	PL	150* 19	900		1.08	C	1.08					
4	37H-WE	PL	500* 22	900		3.60	C	3.60					
4	37H-RI	PL	335* 22	485		1.30	C	1.30					
8	37H-RI	PL	130* 22	466		0.97	C	0.97					
2	37H-AN	PL	550* 85	550		1.21							
J13-J14							A	23.85	C	84.52			
2@ J13-J14							A	47.70	C	169.04			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J14-J15												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1110* 40	1000		4.44						
1	PIPE	STK	457.2* 12.7	634		0.91	C	0.91				
1	PIPE	STK	457.2* 12.7	632		0.91	C	0.91				
2	70H-FL	PL	815* 25	900		2.93	C	2.93				
4	70H-FL	PL	150* 25	900		1.08	C	1.08				
4	70H-WE	PL	500* 36	900		3.60	C	3.60				
4	70H-RI	PL	435* 36	485		1.69	C	1.69				
8	70H-RI	PL	130* 36	460		0.96	C	0.96				
2	70H-AN	PL	740* 110	740		2.19						
J14-J15							A	21.68	C	82.89		
2@ J14-J15							A	43.36	C	165.78		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J15-J16												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1090* 40	1000		4.36						
1	PIPE	STK	457.2* 12.7	612		0.88	C	0.88				
1	PIPE	STK	457.2* 12.7	611		0.88	C	0.88				
2	70H-FL	PL	815* 25	900		2.93	C	2.93				
4	70H-FL	PL	150* 25	900		1.08	C	1.08				
4	70H-WE	PL	500* 36	900		3.60	C	3.60				
4	70H-RI	PL	435* 36	485		1.69	C	1.69				
8	70H-RI	PL	130* 36	460		0.96	C	0.96				
2	70H-AN	PL	740* 110	740		2.19						
J15-J16							A	21.68	C	82.83		
2@ J15-J16							A	43.36	C	165.66		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J16-J17												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1070* 40	1000		4.28						
1	PIPE	STK	457.2* 12.7	595		0.85	C	0.85				
1	PIPE	STK	457.2* 12.7	594		0.85	C	0.85				
2	70H-FL	PL	815* 25	900		2.93	C	2.93				
4	70H-FL	PL	150* 25	900		1.08	C	1.08				
4	70H-WE	PL	500* 36	900		3.60	C	3.60				
4	70H-RI	PL	435* 36	485		1.69	C	1.69				
8	70H-RI	PL	130* 36	460		0.96	C	0.96				
2	70H-AN	PL	740* 110	740		2.19						
J16-J17							A	21.68	C	82.77		
2@ J16-J17							A	43.36	C	165.54		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J17-J18												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1060* 40	1000		4.24						
1	PIPE	STK	457.2* 12.7	581		0.83	C	0.83				
1	PIPE	STK	457.2* 12.7	581		0.83	C	0.83				
2	70H-FL	PL	815* 25	900		2.93	C	2.93				
4	70H-FL	PL	150* 25	900		1.08	C	1.08				
4	70H-WE	PL	500* 36	900		3.60	C	3.60				
4	70H-RI	PL	435* 36	485		1.69	C	1.69				
8	70H-RI	PL	130* 36	460		0.96	C	0.96				
2	70H-AN	PL	740* 110	740		2.19						
J17-J18							A	21.68	C	82.73		
2@ J17-J18							A	43.36	C	165.46		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J18-J19												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2	WEB	PL	3000* 40	2000		24.00	A	12.00	C	12.00		
10	RIB	PL	250* 25	1990		9.95	C	9.95				
2	FLG	PL	2420* 40	2000		19.36	A	9.68	C	9.68		
1	DIA	PL	2920* 12	2420		14.13	C	14.13				
4	BULKH	PL	394* 30	358		1.13	C	1.13				
4	BH-FL	PL	250* 12	347		0.69	C	0.69				
2	BULKH	PL	2920* 30	1794		20.95	C	20.95				
2	BH-FL	PL	250* 12	2280		2.28	C	2.28				
2	DOUBL	PL	1050* 40	1000		4.20						
1	PIPE	STK	457.2* 12.7	570		0.81	C	0.81				
1	PIPE	STK	457.2* 12.7	570		0.81	C	0.81				
2	70H-FL	PL	815* 25	900		2.93	C	2.93				
4	70H-FL	PL	150* 25	900		1.08	C	1.08				
4	70H-WE	PL	500* 36	900		3.60	C	3.60				
4	70H-RI	PL	435* 36	485		1.69	C	1.69				
8	70H-RI	PL	130* 36	460		0.96	C	0.96				
2	70H-AN	PL	740* 110	740		2.19						
J18-J19							A	21.68	C	82.69		
2@ J18-J19							A	43.36	C	165.38		

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J19-J20													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2	WEB	PL	3000* 40	1900		22.80	A	11.40	C	11.40			
4	RIB	PL	250* 25	1890		3.78	C	3.78					
6	RIB	PL	250* 25	389		1.17	C	1.17					
2	FLG	PL	2420* 40	1900		18.39	A	9.20	C	9.20			
4	RIB	PL	280* 27	1489		3.34	C	3.34					
1	DIA	PL	2920* 12	2420		14.13	C	14.13					
4	BULKH	PL	394* 30	358		1.13	C	1.13					
4	BH-FLC	PL	250* 12	347		0.69	C	0.69					
2	STF	PL	120* 12	2240		1.08	C	1.08					
4	STF	PL	110* 12	438		0.39	C	0.39					
2	STF	PL	110* 12	718		0.32	C	0.32					
1	BASE	PL	140* 22	180		0.05							Inclinometer
4		BOLT	M 10* 20										
J19-J20							A	20.60	C	46.63			
2@ J19-J20							A	41.20	C	93.26			

Painting Calculation

(Unit: mm,m²)

Bago Bridge Tower J20-TOP														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remakrs	
2	WEB	PL	3000* 40	2900		34.80	A	32.36	C	2.44				
2	RIB	PL	250* 25	399		0.40			C	0.40				
2	RIB	PL	250* 25	409		0.41			C	0.41				
1	FLG	PL	2420* 40	2900		14.04	A	13.05	C	0.98				
1	FLG	PL	2420* 40	1430		6.92	A	5.95	C	0.97				
2	RIB	PL	280* 27	389		0.44			C	0.44				
2	RIB	PL	280* 27	419		0.47			C	0.47				
1	RIB	PL	100* 10	2420		0.48	A	0.48						
2	RIB	PL	100* 10	2920		1.17	A	1.17						
2	RIB	PL	100* 10	835		0.33	A	0.33						
1	DIA	PL	2920* 12	2420		14.13	A	7.07	C	7.07				
2	WEB	PL	250* 9	2420		2.42	C	2.42						
2	FLG	PL	250* 16	2420		2.42	C	2.42						
16	VSTF	PL	100* 9	250		0.80	C	0.80						
8	BASE	PL	290* 22	290		1.35								
4		PL	450* 9	367		1.32								
24		BN	M 16* 70			0.07								
1		PL	780* 22	980		1.53								MT2
1		PL	510* 9	710		0.72								MT2
2		PL	305* 8	281		0.34	C	0.34						MT2
2		PL	60* 8	520		0.12	C	0.12						MT2
2		PL	50* 8	297		0.06	C	0.06						MT2
2		SGP	20 A	50		0.05								MT2
3		SGP	20 A	100		0.05								MT2
1		RB	19 ϕ	450		0.03								MT2
2		RB	13 ϕ	310		0.03	A	0.03	C	0.03				MT2
1		PL	60* 19	60		0.01								MT2
1		PL	60* 9	60		0.01								MT2
2		PLS	35* 5	35		0.00								MT2
1		PLS	30* 5	30		0.00								MT2
1		RB	19 ϕ	269		0.02								MT2
1		RB	19 ϕ	135		0.01								MT2
1		PLS	60* 12	160		0.02								MT2
1		PLS	30* 14	50		0.00								MT2
1		PL	21* 9	30		0.00								MT2
2		FB	75* 12	450		0.15								MT2
1	BASE	PL	400* 22	650		0.52	A	0.52						
3	RIB	PL	300* 15	380		0.68	A	0.68						
J20-TOP							A	61.64	C	19.37				

Painting Calculation

(Unit: mm, m²)

2@ J20-TOP	A	123.28	C	38.74			
Tower	A	1306.02	C	3333.44			
Bago Bridge	A	1306.02	C	3333.44			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J1														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	200* 16	710		2.27	G	1.14	M	2.27				
88		TCB	M 22* 95			0.45	K	0.45						
J1							G	4.12	K	1.56	M	8.23		
2@ J1							G	8.24	K	3.12	M	16.46		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J2														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	200* 16	710		2.27	G	1.14	M	2.27				
88		TCB	M 22* 95			0.45	K	0.45						
J2							G	4.12	K	1.56	M	8.23		
2@ J2							G	8.24	K	3.12	M	16.46		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J3														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	200* 16	710		2.27	G	1.14	M	2.27				
88		TCB	M 22* 95			0.45	K	0.45						
J3							G	4.12	K	1.56	M	8.23		
2@ J3							G	8.24	K	3.12	M	16.46		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J4														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	200* 16	710		2.27	G	1.14	M	2.27				
88		TCB	M 22* 95			0.45	K	0.45						
J4							G	4.12	K	1.56	M	8.23		
2@ J4							G	8.24	K	3.12	M	16.46		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J5														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	200* 16	710		2.27	G	1.14	M	2.27				
88		TCB	M 22* 95			0.45	K	0.45						
J5							G	4.12	K	1.56	M	8.23		
2@ J5							G	8.24	K	3.12	M	16.46		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J6														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	200* 16	710		2.27	G	1.14	M	2.27				
4	FILL	PL	200* 2.3	350		0.56	G	0.28	M	0.56				
88		TCB	M 22* 95			0.45	K	0.45						
J6							G	4.40	K	1.56	M	8.79		
2@ J6							G	8.80	K	3.12	M	17.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J7														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	235* 17	620		2.33	G	1.17	M	2.33				
96		TCB	M 22* 100			0.49	K	0.49						
J7							G	4.15	K	1.60	M	8.29		
2@ J7							G	8.30	K	3.20	M	16.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J8													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
8	SPL	PL	235* 17	620		2.33	G	1.17	M	2.33			
96		TCB	M 22* 100			0.49	K	0.49					
J8							G	4.15	K	1.60	M	8.29	
2@ J8							G	8.30	K	3.20	M	16.58	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J9														
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96				
220		TCB	M 22* 95			1.11	K	1.11						
8	SPL	PL	235* 17	620		2.33	G	1.17	M	2.33				
96		TCB	M 22* 100			0.49	K	0.49						
J9							G	4.15	K	1.60	M	8.29		
2@ J9							G	8.30	K	3.20	M	16.58		

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J10													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J10							G	2.98	K	1.11	M	5.96	
2@ J10							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J11													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J11							G	2.98	K	1.11	M	5.96	
2@ J11							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J12													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J12							G	2.98	K	1.11	M	5.96	
2@ J12							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J13													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J13							G	2.98	K	1.11	M	5.96	
2@ J13							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J14													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J14							G	2.98	K	1.11	M	5.96	
2@ J14							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J15													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J15							G	2.98	K	1.11	M	5.96	
2@ J15							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J16													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J16							G	2.98	K	1.11	M	5.96	
2@ J16							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J17													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J17							G	2.98	K	1.11	M	5.96	
2@ J17							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J18													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
							G	2.98	K	1.11	M	5.96	
J18							G	2.98	K	1.11	M	5.96	
2@ J18							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J19													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
20	SPL	PL	210* 16	710		5.96	G	2.98	M	5.96			
220		TCB	M 22* 95			1.11	K	1.11					
J19							G	2.98	K	1.11	M	5.96	
2@ J19							G	5.96	K	2.22	M	11.92	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Joint J20													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks
8	SPL	PL	210* 16	710		2.39	G	1.19	M	2.39			
88		TCB	M 22* 95			0.45	K	0.45					
8	SPL	PL	235* 17	620		2.33	G	1.17	M	2.33			
96		TCB	M 22* 100			0.49	K	0.49					
J20							G	2.36	K	0.94	M	4.72	
2@ J20							G	4.72	K	1.88	M	9.44	
Tower Joint							G	139.22	K	52.40	M	278.26	
Bago Bridge							G	139.22	K	52.40	M	278.26	

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-2															
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area						Remarks		
2		L	40* 40* 5	3900		1.21								Plating	
2		L	40* 40* 5	150		0.05								Plating	
11		RB	19 ϕ	320		0.21								Plating	
6		PL	100* 9	165		0.20	C	0.20							
12	1-W,U-Nut	BN	M 12* 35			0.02								Plating	
LL-2							C	0.20							
2@ LL-2							C	0.40							

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-3												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-3	C	0.20				
						2@ LL-3	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-5												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-5	C	0.20				
						2@ LL-5	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-6												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-6	C	0.20				
						2@ LL-6	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-7													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remakrs	
2		L	40* 40* 5	3300		1.00						Plating	
2		L	40* 40* 5	150		0.05						Plating	
9		RB	19 ϕ	320		0.17						Plating	
6		PL	100* 9	165		0.20	C	0.20					
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating	
LL-7							C	0.20					
2@ LL-7							C	0.40					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-10												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-10	C	0.20				
						2@ LL-10	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-12												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-12	C	0.20				
						2@ LL-12	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-13												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-13	C	0.20				
						2@ LL-13	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-14												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-14	C	0.20				
						2@ LL-14	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-15												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-15	C	0.20				
						2@ LL-15	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LL-16												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LL-16	C	0.20				
						2@ LL-16	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-2												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-2	C	0.20				
						2@ LR-2	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-3												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-3	C	0.20				
						2@ LR-3	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-4												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
4		PL	100* 9	165		0.13	C	0.13				
2		PL	100* 9	160		0.06	C	0.06				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
							LR-4	C	0.19			
							2@ LR-4	C	0.38			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-5												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3900		1.21						Plating
2		L	40* 40* 5	150		0.05						Plating
11		RB	19 ϕ	320		0.21						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-5	C	0.20				
						2@ LR-5	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-6												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-6	C	0.20				
						2@ LR-6	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-7												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-7	C	0.20				
						2@ LR-7	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-8												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-8	C	0.20				
						2@ LR-8	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-9												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-9	C	0.20				
						2@ LR-9	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-10													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2		L	40* 40* 5	3300		1.00						Plating	
2		L	40* 40* 5	150		0.05						Plating	
9		RB	19 ϕ	320		0.17						Plating	
6		PL	100* 9	165		0.20	C	0.20					
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating	
LR-10							C	0.20					
2@ LR-10							C	0.40					

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-11												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
							LR-11	C	0.20			
							2@ LR-11	C	0.40			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-12												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remakrs
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-12	C	0.20				
						2@ LR-12	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-13												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-13	C	0.20				
						2@ LR-13	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-14												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-14	C	0.20				
						2@ LR-14	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-15												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-15	C	0.20				
						2@ LR-15	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-16												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
						LR-16	C	0.20				
						2@ LR-16	C	0.40				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-17												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	3300		1.00						Plating
2		L	40* 40* 5	150		0.05						Plating
9		RB	19 ϕ	320		0.17						Plating
6		PL	100* 9	165		0.20	C	0.20				
12	1-W,U-Nut	BN	M 12* 35			0.02						Plating
							LR-17	C	0.20			
							2@ LR-17	C	0.40			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LR-18												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	1906		0.58						Plating
6		RB	19 ϕ	320		0.11						Plating
2		PL	120* 9	128		0.06	C	0.05				
2		PL	120* 9	127		0.06	C	0.04				
8	1-W,U-Nut	BN	M 12* 35			0.01						Plating
							LR-18	C	0.09			
							2@ LR-18	C	0.18			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LH-1													
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks	
2		L	40* 40* 5	2350		0.74						Plating	
6		RB	19 ϕ	320		0.11						Plating	
4		PL	100* 9	165		0.13	C	0.13					
8	1-W,U-Nut	BN	M 12* 35			0.01						Plating	
							LH-1	C	0.13				
							4@ LH-1	C	0.52				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LH-2												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	1900		0.58						Plating
6		RB	19 ϕ	320		0.11						Plating
4		PL	100* 9	165		0.13	C	0.13				
8	1-W,U-Nut	BN	M 12* 35			0.01						Plating
							LH-2	C	0.13			
							12@ LH-2	C	1.56			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LH-3												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	1730		0.53						Plating
5		RB	19 ϕ	320		0.10						Plating
4		PL	100* 9	165		0.13	C	0.13				
8	1-W,U-Nut	BN	M 12* 35			0.01						Plating
							LH-3	C	0.13			
							2@ LH-3	C	0.26			

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder LH-4												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		L	40* 40* 5	2150		0.69						Plating
3		RB	19 ϕ	320		0.06						Plating
2		PL	150* 6	265		0.16						Plating
LH-4												
2@ LH-4												

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder SLIDE COVER												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
1		EXP	690	910		0.73						Plating
2		FB	50* 4.5	911		0.18						Plating
2		FB	50* 4.5	700		0.12						Plating
1		FB	50* 4.5	691		0.06						Plating
2		FB	32* 4.5	847		0.13						Plating
2		FB	32* 4.5	691		0.13						Plating
SLIDE COVER												
4@ SLIDE COVER												

Painting Calculation

(Unit : mm,m²)

Bago Bridge Tower Ladder SLIDE RAIL												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remarks
2		FB	65* 6	600		0.19	C	0.19				
4		FB	65* 6	371		0.23	C	0.23				
							C	0.42				
SLIDE RAIL							C	0.84				
2@ SLIDE RAIL												
Tower Ladder							C	16.94				
Bago Bridge							C	16.94				

Painting Calculation

(Unit : mm,m²)

Bago Bridge Wind-resist Equipment AERODYNAMIC DEVICE												
Qty	Items	Category	Section	Length	Net	Total Area	Painting Area					Remakrs
4		PL	360* 30	1900		5.47	A	5.47				
20		PL	360* 30	1600		23.04	A	23.04				
4		PL	360* 30	1500		4.32	A	4.32				
2		PL	360* 30	2680		3.86	A	3.86				
2		PL	360* 30	1210		1.74	A	1.74				
28		PL	360* 30	400		8.06	A	8.06				
64	RIB	PL	285* 19	350		12.77	A	12.77				
AERODYNAMIC DEVICE							A	59.26				
2@ AERODYNAMIC DEVICE							A	118.52				
Wind-resist Equipment							A	118.52				
Bago Bridge							A	118.52				

Site Welding Outer Surface Deducting

Main Tower					
WEB,FLG	J1~J20	$(2.500*2+3.000*2)*0.100*2*20$	=	44.000	m2
<hr/>					
			Total	=	44.000 m2 ...a1

Site Welding Inner Surface Deducting

Main Tower					
WEB,FLG	J1~J20	$(2.500*2+3.000*2)*0.100*2*20$	=	44.000	m2
BULKHEAD	J10~J19	$(0.358+0.200)*2*0.100*2*40$	=	8.928	m2
<hr/>					
			Total	=	52.928 m2 ...a3

5. Accessories

5.1 AIRCRAFT WARNING LIGHT

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
AIRCRAFT WARNING LIGHT		SET	2	

1.AIRCRAFT WARNING LIGHT

1x2

= 2 SET

(REFERENCE)

5.2 LIGHTNING CONDUCTOR

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
LIGHTNING CONDUCTOR		SET	2	

1.LIGHTNING CONDUCTOR

1x2

= 2 SET

(REFERENCE)

5.3 MAIN TOWER MANHOLE

MEMBER	DIMENSION	UNIT	TOTAL	REMARKS
POLYCHLOROPRENE	510x10x710	PIECE	4	MAIN TOWER

1.MAIN TOWER MANHOLE

SIZE DIMENSION 510x710
THICKNESS 10
MATERIAL RUBBER (POLYCHLOROPRENE)




TYPE-1	1x2	= 2 PIECES
TYPE-2	1x2	= 2 PIECES
<hr/>		
	Σ	= 4 PIECES

5.4 Site Welding Length Calculation

Main Tower

	Unit	Length	Remarks
Welding Actual Length	m	587.8	
6mm Converted Length	m	17468.2	

Site Welding Length Calculation

<Type> 1 : Fillet Weld 
 2 : Single-bevel Weld 
 3 : V-groov weld 

Items	Type	Leg Size	6mm Convert Ratio	Length (m)	Nos.	Total(m)	6mm Converted Length
Main Tower							
WEB,FLG							
J1-J6	2	35	32.4	5.000	12	60.000	1944.000
	2	35	32.4	6.000	12	72.000	2332.800
J7-J20	2	40	40.2	5.000	28	140.000	5628.000
	2	40	40.2	6.000	28	168.000	6753.600
BULKHEAD							
J10-J19	2	30	25.5	0.358	40	14.320	365.160
	2	12	7.30	0.200	40	8.000	58.400
AERODYNAMIC DEVICE							
PL	1	9	2.25	11.200	4	44.800	100.800
PL	2	6	3.54	20.160	4	80.640	285.466
				Total	=	587.8	17468.2

Cable Stayed Bridge

4) Substructure

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1. Summary of Quantities

【 RC Pier Column Quantities Summary Table 】

Type of Works	Item		Specification	Classification	Unit	Quantities					Sum	Note	
						P10 Pier (Origin Side)	P10Pier	P11Pier	P12Pier	P13Pier			
Concrete	Pier	Primary Construction	$\sigma_{ck}=30N/mm^2$		m3	—	2,097.4	1,801.1	1,801.1	2,099.4	7,799.0		
Formwork	Pier	Primary Construction	Normal Form	H ≤ 30m	m2	—	411.6	268.3	268.3	416.6	1,364.8		
			Circular Formwork			"	—	526.9	514.8	514.8	526.9	2,083.4	
	Drainage Steel Pipe			$\phi = 50mm$	m	—	3.0	—	—	3.0	6.0		
Bearing Support	Bearing Mortar		Mortar		m3	—	—	12.535	12.535	—	25.070	Superstructure Construction	
			Non-shrinkable Mortar			m3	1.394	0.886	2.815	2.815	0.886	8.796	Superstructure Construction
	Form for void for Anchor Bolt		Cylindrical Form	$\phi = 150mm$	m	—	—	—	—	8.6	8.6		
				$\phi = 200mm$	"	10.6	—	—	—	—	10.6		
				$\phi = 250mm$	"	—	7.9	—	—	—	7.9	15.8	
Box-out Formwork		Box-out Form		m2	11.4	2.3	21.8	21.8	7.3	64.6			
Steel Reinforcement	Weight		SD345	D 13	kg	—	—	—	—	—	—		
				D16 ~ D25	"	—	88,526	77,588	77,588	88,457	332,159		
				D29 ~ D32	"	—	66,425	6,604	6,604	66,444	146,077		
				D 35	"	—	—	—	—	—	—	—	
				D 38	"	—	—	—	—	—	—	—	
				D 51	"	—	—	88,337	88,337	—	—	176,674	
				Total	"	—	—	154,951	172,529	172,529	154,901	654,910	
	Large Diameter Re-bar Ratio				—	—	—	—	—	—	—		
	Mechanical Splice		SD345	D 35	Point	—	—	—	—	—	—	—	
				D 38	"	—	—	—	—	—	—	—	
D 51				"	—	—	412	412	—	—	824		
Total				"	—	—	412	412	—	—	824		
Fall Preventive Handrail	Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	—	93	72	72	93	330		
				$\phi 21.7 \times 1.9$	"	—	75	78	78	75	306		
		L	SS400	$65 \times 65 \times 6$	"	—	271	226	226	271	994		
				t=9mm	"	—	82	56	56	82	276		
		PL	SM400A	t=6mm	"	—	39	26	26	39	130		
	Total			"	—	560	458	458	560	2,036			
	Number of Bolts	U. Bolt	SS400	Nominal_25C	Nos.	—	52	36	36	52	176		
				Nominal_15C	"	—	84	72	72	84	312		
		ANC	SS400	M16 × 125	"	—	208	144	144	208	704		
	Mass of Plating	HDZ55			kg	—	392	308	308	392	1,400		
HDZ35			"	—	271	216	216	271	974				

【 Steel Pipe Sheet Pile Quantities Summary Table (1/3) 】

Type of Works	Item	Classification		Unit	Quantities				Sum	Note			
					P10Pier	P11Pier	P12Pier	P13Pier					
Steel Pipe Sheet Pile Foundation	Steel Pipe Sheet Pile	Length of Pile (Pile Diameter φ1200mm)		m/Nos.	70.0	74.0	65.5	63.0	—				
		Pile Number		Nos.	36	40	40	36	152	Outside Steel Pipe Well			
				"	8	8	8	8	32	Diaphragm Steel Sheet Pipe Wall			
		Total		"	44	48	48	44	184				
		Total Pile Length		m	3,080.0	3,552.0	3,144.0	2,772.0	12,548.0				
		Embedded Depth		m	60.6	63.7	52.6	50.1	227.0	Soil Coefficient=1.00			
				"	—	—	—	—	—	Soil Coefficient=1.07			
		Per pipe (TypeA・C・E)	Weight of Steel Pipe Section	φ1200	t=14mm	t	19.224	18.406	14.929	16.361	68.920	SKY400	
					t=14mm	"	9.407	—	—	9.407	18.814	SKY490	
					t=16mm	"	—	13.543	13.543	—	27.086	SKY490	
				φ165.2	t=11mm	"	5.676	6.018	5.308	5.108	22.110	STK400	
			Weight of Attachments	Tip Reinforcing Band	PL t= 9mm	t	0.080	0.080	0.080	0.080	0.320	SS400	
				Member for Site Circumference Welding (Backing Ring・Stopper)	PL t=14mm	"	0.012	0.012	0.012	0.012	0.048	SS400	
					PL t=16mm	"	—	—	—	—	—	SS400	
				Sling	PL t=22mm	"	0.052	0.052	0.052	0.052	0.208	SM490A	
				Interlocking Toe	PL t=12mm	Piece	2	2	2	2	8	SS400	
				Combined Splice Pipe		Point	2	2	2	2	8	STK400	
			Precut		"	2	2	2	2	8			
			Per pipe (TypeB・D)	Weight of Steel Pipe Section	φ1200	t=14mm	t	19.224	18.406	14.929	16.361	68.920	SKY400
						t=14mm	"	9.407	—	—	9.407	18.814	SKY490
						t=16mm	"	—	13.543	13.543	—	27.086	SKY490
		φ165.2			t=11mm	"	5.676	6.020	5.308	5.108	22.112	STK400	
		Weight of Attachments		Tip Reinforcing Band	PL t= 9mm	t	0.080	0.080	0.080	0.080	0.320	SS400	
				Member for Site Circumference Welding (Backing Ring・Stopper)	PL t=14mm	"	0.012	0.012	0.012	0.012	0.048	SS400	
					PL t=16mm	"	—	—	—	—	—	SS400	
				Sling	PL t=22mm	"	0.052	0.052	0.052	0.052	0.208	SM490A	
				Interlocking Toe	PL t=12mm	Piece	2	2	2	2	8	SS400	
				Combined Splice Pipe		Point	2	2	2	2	8	STK400	
		Precut			"	2	2	2	2	8			
		Per pipe (TypeF)		Weight of Steel Pipe Section	φ1200	t=14mm	t	19.224	18.406	14.929	16.361	68.920	SKY400
t=14mm	"		9.407			—	—	9.407	18.814	SKY490			
t=16mm	"		—			13.543	13.543	—	27.086	SKY490			
φ165.2	t=11mm		"		8.514	9.030	7.962	7.662	33.168	STK400			
Weight of Attachments	Tip Reinforcing Band		PL t= 9mm	t	0.080	0.080	0.080	0.080	0.320	SS400			
	Member for Site Circumference Welding (Backing Ring・Stopper)		PL t=14mm	"	0.012	0.012	0.012	0.012	0.048	SS400			
			PL t=16mm	"	—	—	—	—	—	SS400			
	Sling		PL t=22mm	"	0.052	0.052	0.052	0.052	0.208	SM490A			
	Interlocking Toe		PL t=12mm	Piece	3	3	3	3	12	SS400			
	Combined Splice Pipe			Point	3	3	3	3	12	STK400			
	Precut			"	3	3	3	3	12				

【 Steel Pipe Sheet Pile Quantities Summary Table (2/3) 】

Type of Works	Item	Classification			Unit	Quantities				Sum	Note		
						P10Pier	P11Pier	P12Pier	P13Pier				
Steel Pipe Sheet Pile Foundation	Steel Pipe Sheet Pile	Per pipe (TypeG)	Weight of Steel Pipe Section	φ1200	t=14mm	t	28.631	30.267	26.790	25.768	111.456	SKY400	
					t=14mm	"	—	—	—	—	—	—	SKY490
				φ165.2	t=11mm	"	5.676	6.020	5.308	5.108	22.112	STK400	
			Weight of Attachments	Tip Reinforcing Band	PL t= 9mm	t	0.080	0.080	0.080	0.080	0.320	SS400	
				Member for Site Circumference Welding (Backing Ring・Stopper)	PL t=14mm	"	0.012	0.012	0.012	0.012	0.048	SS400	
					PL t=16mm	"	—	—	—	—	—	SS400	
					Sling	PL t=22mm	"	0.052	0.052	0.052	0.052	0.208	SM490A
				Interlocking Toe	PL t=12mm	Piece	2	2	2	2	8	SS400	
				Combined Splice Pipe		Point	2	2	2	2	8	STK400	
				Precut		"	2	2	2	2	8		
		Per pipe (TypeH)	Weight of Steel Pipe Section	φ1200	t=14mm	t	28.631	30.267	26.790	25.768	111.456	SKY400	
					t=14mm	"	—	—	—	—	—	SKY490	
				φ165.2	t=11mm	"	5.678	6.020	5.310	5.108	22.116	STK400	
			Weight of Attachments	Tip Reinforcing Band	PL t= 9mm	t	0.080	0.080	0.080	0.080	0.320	SS400	
				Member for Site Circumference Welding (Backing Ring・Stopper)	PL t=14mm	"	0.012	0.012	0.012	0.012	0.048	SS400	
					PL t=16mm	"	—	—	—	—	—	SS400	
					Sling	PL t=22mm	"	0.052	0.052	0.052	0.052	0.208	SM490A
				Interlocking Toe	PL t=12mm	Piece	2	2	2	2	8	SS400	
				Combined Splice Pipe		Point	2	2	2	2	8	STK400	
				Precut		"	2	2	2	2	8		
		Total Number	Weight of Steel Pipe Section	φ1200	t=14mm	t	921.112	978.376	811.480	795.140	3,506.108	SKY400	
					t=14mm	"	338.652	—	—	338.652	677.304	SKY490	
					t=16mm	"	—	541.720	541.720	—	1,083.440	SKY490	
				φ165.2	t=11mm	"	255.428	294.940	260.100	229.860	1,040.328	STK400	
			Weight of Attachments	Tip Reinforcing Band	PL t= 9mm	t	3.520	3.840	3.840	3.520	14.720	SS400	
				Member for Site Circumference Welding (Backing Ring・Stopper)	PL t=14mm	"	0.528	0.576	0.576	0.528	2.208	SS400	
					PL t=16mm	"	—	—	—	—	—	SS400	
					Sling	PL t=22mm	"	2.288	2.496	2.496	2.288	9.568	SM490A
				Interlocking Toe	PL t=12mm	Piece	90	98	98	90	376	SS400	
				Combined Splice Pipe		Point	90	98	98	90	376	STK400	
Precut		"	90	98	98	90	376						

【 Steel Pipe Sheet Pile Quantities Summary Table (3/3) 】

Type of Works	Item	Classification		Unit	Quantities				Sum	Note	
					P10Pier	P11Pier	P12Pier	P13Pier			
Steel Pipe Sheet Pile Foundation	Excavation inside			m3	511.0	619.3	504.0	369.7	2,004.0		
		Pile Head			m3	90.0	92.2	69.1	58.6	309.9	
	Concrete Filling	Infilling Concrete	$\sigma_{ck}=18N/mm^2$	m3	338.7	470.5	470.5	338.7	1,618.4	Correction factor = 0.04	
		Pile Head			m3	12.7	13.6	13.6	12.7	52.6	
	Cleaning inside Joint Pipe			m	2,643.8	3,037.5	2,496.1	2,181.6	10,359.0		
	Mortar Filling inside Joint Pipe	$\sigma_{ck}=21N/mm^2$	Injected Length of Splice Mortar	m	2,439.0	2,856.7	2,440.2	2,133.0	9,868.9	Used Mortar = 2.5m3/100m	
			Used Amount of Splice Mortar	m3	64.1	75.0	64.1	56.0	259.2	Correction factor = 0.05	
	Sealing inside Joint Pipe	$\sigma_{ck}=0.2N/mm^2$	Length of Splice Water Stop Material	m	493.2	548.0	548.0	493.2	2,082.4		
			Used Amount of Splice Water Stop Material	m3	14.0	15.6	15.6	14.0	59.2		
			Water Stop Bag	m	986.4	1,096.0	1,096.0	986.4	4,164.8		
	Excavation inside Well			m3	2,031.7	2,556.5	1,992.9	1,386.6	7,967.7		
	Backfill Inside Well			m3	731.6	744.3	229.9	173.7	1,879.5		
	Surplus Soil			m3	1,300.1	1,812.2	1,763.0	1,212.9	6,088.2		
	Footing Concrete	$\sigma_{ck}=24N/mm^2$		m3	743.6	1,105.0	1,105.0	743.6	3,697.2	Correction factor = 0.09	
	Bottom Slab Concrete	$\sigma_{ck}=21N/mm^2$		m3	385.6	577.7	577.7	385.6	1,926.6		
	Spread Sand			m3	88.5	106.0	106.0	88.5	389.0		
	Pile Head Combination	Shear Connector	PL-32×16×3597		kg	231	231	231	231	924	
		Stopper	PL-25×9×50		"	4	4	4	4	16	
	Pile Head Re-bar	Weight	SD345	D 13	kg	475	467	467	475	1,884	
				D16 ~ D25	kg	1,393	—	—	1,393	2,786	
				D29 ~ D32	"	—	1,860	1,860	—	3,720	
				Total	"	1,868	2,327	2,327	1,868	8,390	
	Re-bar for Top Slab	Weight	SD345	D 13	kg	—	—	—	—	—	
				D16 ~ D25	"	8,533	11,096	11,096	8,533	39,258	
D29 ~ D32				"	8,672	—	—	8,672	17,344		
D 35				"	14,264	—	—	14,264	28,528		
D 38				"	—	31,452	31,452	—	62,904		
D 51				"	53,833	84,529	84,529	53,833	276,724		
Total		"	85,302	127,077	127,077	85,302	424,758				
Mechanical Splice		SD345	D 35	Point	110	—	—	110	220		
			D 38	"	—	174	174	—	348		
			D 51	"	214	322	322	214	1,072		
	Total		"	324	496	496	324	1,640			
Connector (Welding of Dowel)	Block Number of Welding of Dowel		Stage	1,080	1,520	1,520	1,080	5,200			
	Mass of Welding of Dowel		kg	10,512	14,406	14,406	10,512	49,836			
SPSP Cut	$\phi 1200$		Nos.	44	48	48	44	184			

2. P10 Pier

2. P10 PIER

2.1 Quantity summary table

【 P10 PIER Quantity Summary Table (1/4) 】

Work Item	Item	Specification	Division	Unit	Quantity	Supporting	
Concrete	Pier	Primary Construction $\sigma_{ck}=30\text{N/mm}^2$		m ³	2,097.4		
Formwork	Pier	Primary Construction	Normal Form	H ≤ 30m	m ²	411.6	
			Circular Formwork		"	526.9	
	Drainage Steel Pipe		φ = 50mm	m	3.0		
Bearing	Bearing Mortar		Non-shrinkage Mortar		m ³	0.886	Superstructure Construction
	Form for void for Anchor Bolt		Cylindrical Form	φ = 250mm	m	7.9	
	Box-out Formwork		Box-out Formwork		m ²	2.3	
Bearing (Origin side)	Bearing Mortar		Non-shrinkage Mortar		m ³	1.394	Superstructure Construction
	Form for void for Anchor Bolt		Cylindrical Form	φ = 200mm	m	10.6	
	Box-out Formwork		Box-out Formwork		m ²	11.4	
Re-bar	Mass	SD345	D 13		kg	—	
			D16 ~ D25		"	88,526	
			D29 ~ D32		"	66,425	
			D 35		"	—	
			D 38		"	—	
			D 51		"	—	
			Total		"	154,951	
	Mechanical splice	SD345	D 35	Point		—	
			D 38	"		—	
			D 51	"		—	
			Total	"		—	

【 P10 PIER Quantity Summary Table (2/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting		
Steel Pipe Sheet Pile Foundation	Steel pipe well	Steel pipe length(ϕ 1200mm)		m/Num	70.0			
		Pile number		Num	36	Outside Steel Pipe Well		
				"	8	Diaphragm Steel Sheet Pipe Wall		
		Total		"	44			
		Pile extension		m	3,080.0			
		Embedded depth		m	60.6	Soil Coefficient=1.00		
		Number (Type A・C)	Steel pipe Mass	ϕ 1200	t=14mm	t	19.224	SKY400
					t=14mm	"	9.407	SKY490
				ϕ 165.2	t=11mm	"	5.676	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
			Precut		"	2		
		Number (Type B・D)	Steel pipe Mass	ϕ 1200	t=14mm	t	19.224	SKY400
					t=14mm	"	9.407	SKY490
				ϕ 165.2	t=11mm	"	5.676	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
In-situ Attached Interlocking				Point	2	STK400		
Precut			"	2				
Number (Type F)	Steel pipe Mass	ϕ 1200	t=14mm	t	19.224	SKY400		
			t=14mm	"	9.407	SKY490		
		ϕ 165.2	t=11mm	"	8.514	STK400		
	Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400		
		Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400		
			PL t=16mm	"	—	SS400		
		Sling	PL t=22mm	"	0.052	SM490A		
		InterLocking Toe	PL t=12mm	Piece	3	SS400		
		In-situ Attached Interlocking		Point	3	STK400		
	Precut		"	3				

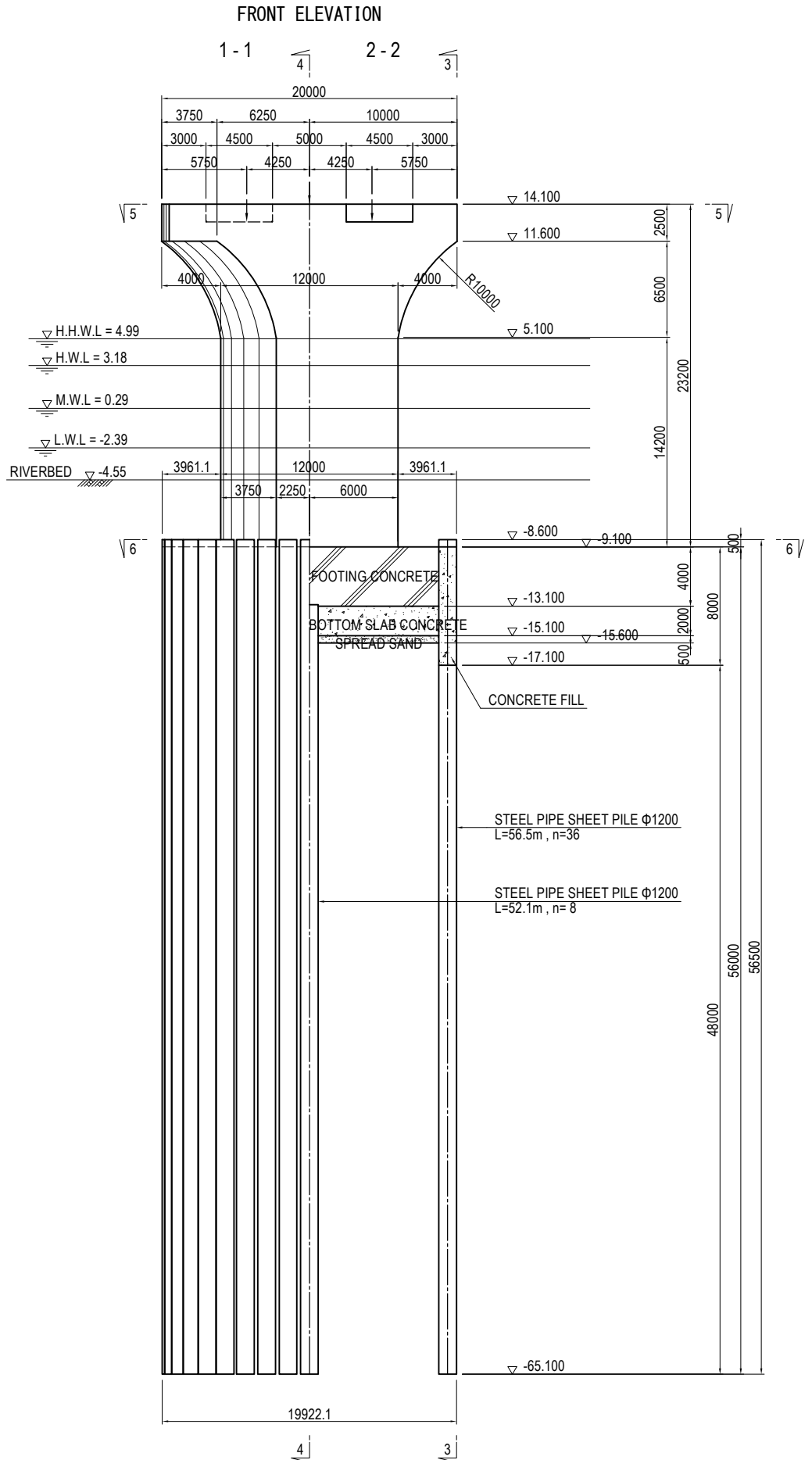
【 P10 PIER Quantity Summary Table (3/4) 】

Work Item	Item	Division			Unit	Quantity	Supporting	
Steel Pipe Sheet Pile Foundation	Steel pipe well	Number (Type G)	Steel pipe Mass	φ 1200	t=14mm	t	28.631	SKY400
					t=14mm	"	—	SKY490
				φ 165.2	t=11mm	"	5.676	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		Number (Type H)	Steel pipe Mass	φ 1200	t=14mm	t	28.631	SKY400
					t=14mm	"	—	SKY490
				φ 165.2	t=11mm	"	5.678	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		Total Number	Steel pipe Mass	φ 1200	t=14mm	t	921.112	SKY400
					t=14mm	"	338.652	SKY490
				φ 165.2	t=11mm	"	255.428	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	3.520	SS400
	Members for Perimeter Field Welding (Backing Ring Stopper)			PL t=14mm	"	0.528	SS400	
				PL t=16mm	"	—	SS400	
	Sling			PL t=22mm	"	2.288	SM490A	
	InterLocking Toe			PL t=12mm	Piece	90	SS400	
	In-situ Attached Interlocking				Point	90	STK400	
	Precut			"	90			
Excavation inside			m3	511.0				
	Pile head		"	90.0				
Concrete filling	Fill concrete	σ ck=18N/mm2	m3	338.7	Correction Factor=0.04			
	Pile head	σ ck=24N/mm2	"	12.7				
Cleaning inside joint pipe			m	2,643.8				
Mortar filling inside joint pipe	σ ck=21N/mm2	Mortar length	m	2,439.0	Mortar=2.5m3/100m			
		Mortar quantity	m3	64.1	Correction factor=0.05			

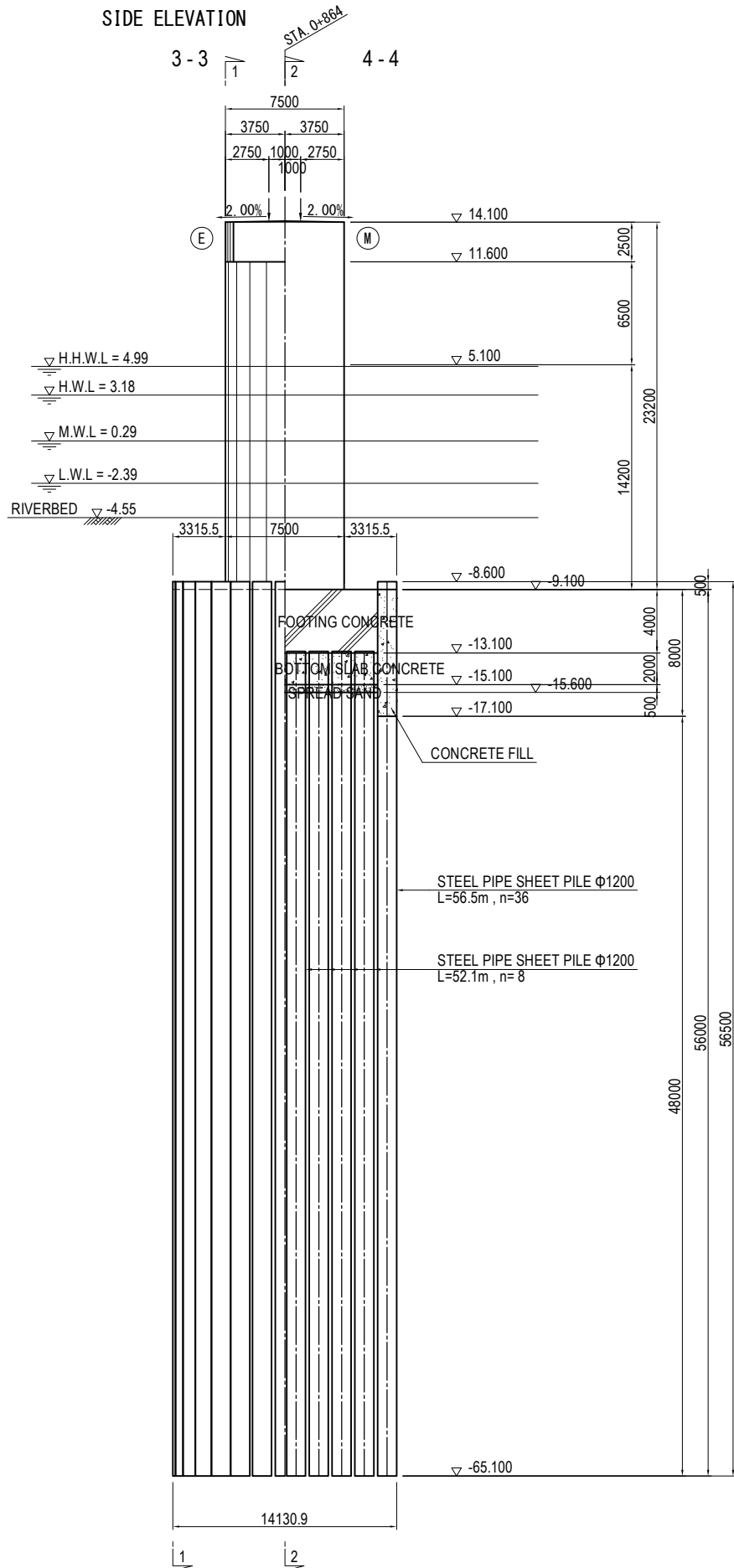
【 P10 PIER Quantity Summary Table (4/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting	
S t e e l P i p e S h e e t P i l e F u n d a t i o n	Inside Joint Pipe Sealing	$\sigma_{ck}=0.2\text{N/mm}^2$	InterLocking Sealing Length	m	493.2	Mortar=2.5m ³ /100m	
			InterLocking Sealing	m ³	14.0	Correction factor=0.14	
			Sealing	m	986.4	Per 100m Joint=200.0	
	Excavation Inside the Well			m ³	2,031.7		
	Backfill inside the well			m ³	731.6		
	Surplus soil			m ³	1,300.1		
	Footing concrete		$\sigma_{ck}=24\text{N/mm}^2$	m ³	743.6		
	Bottom slab concrete		$\sigma_{ck}=21\text{N/mm}^2$	m ³	385.6	Correction Factor=0.09	
	Spread sand			m ³	88.5		
	Pile head Connection	Shear Connector		PL-32 × 16 × 3597	kg	231	
		Stopper		PL-25 × 9 × 50	"	4	
	Pile head Rebar	Mass	SD345	D 13	kg	475	
				D16 ~ D25	"	1,393	
				D29 ~ D32	"	—	
				Total	"	1,868	
	Footing Re-bar	Mass	SD345	D 13	kg	—	
				D16 ~ D25	"	8,533	
				D29 ~ D32	"	8,672	
				D 35	"	14,264	
				D 38	"	—	
				D 51	"	53,833	
				Total	"	85,302	
		Mechanical Splice	SD345	D 35	Point	110	
D 38				"	—		
D 51				"	214		
Welding of the dowel	Welding of the dowel stage		Stage	1,080			
	Welding of the dowel Mass		kg	10,512			
Cut-off the Pipe		$\phi 1200$	Num	44			

2.2 Structure

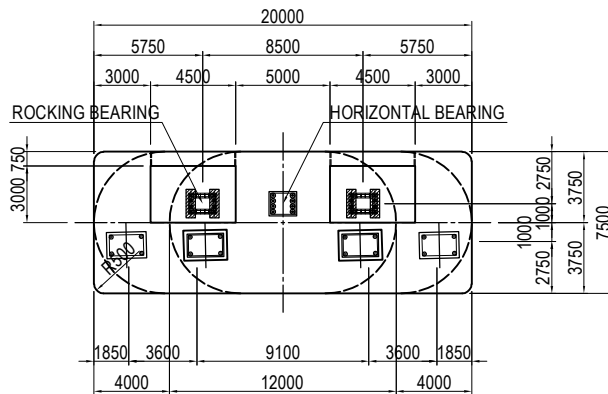


SIDE ELEVATION



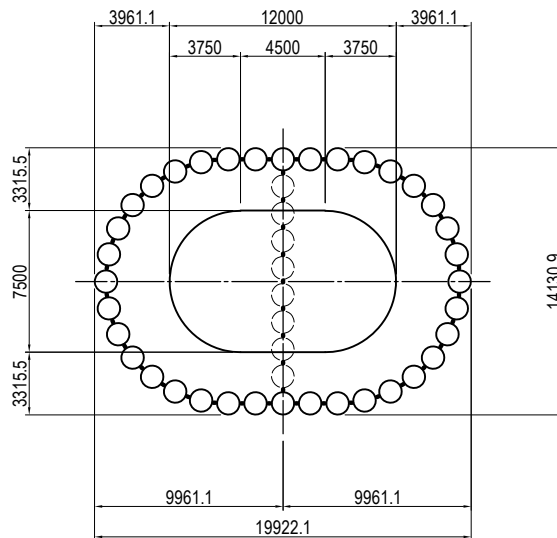
PLAN

5 - 5



PLAN

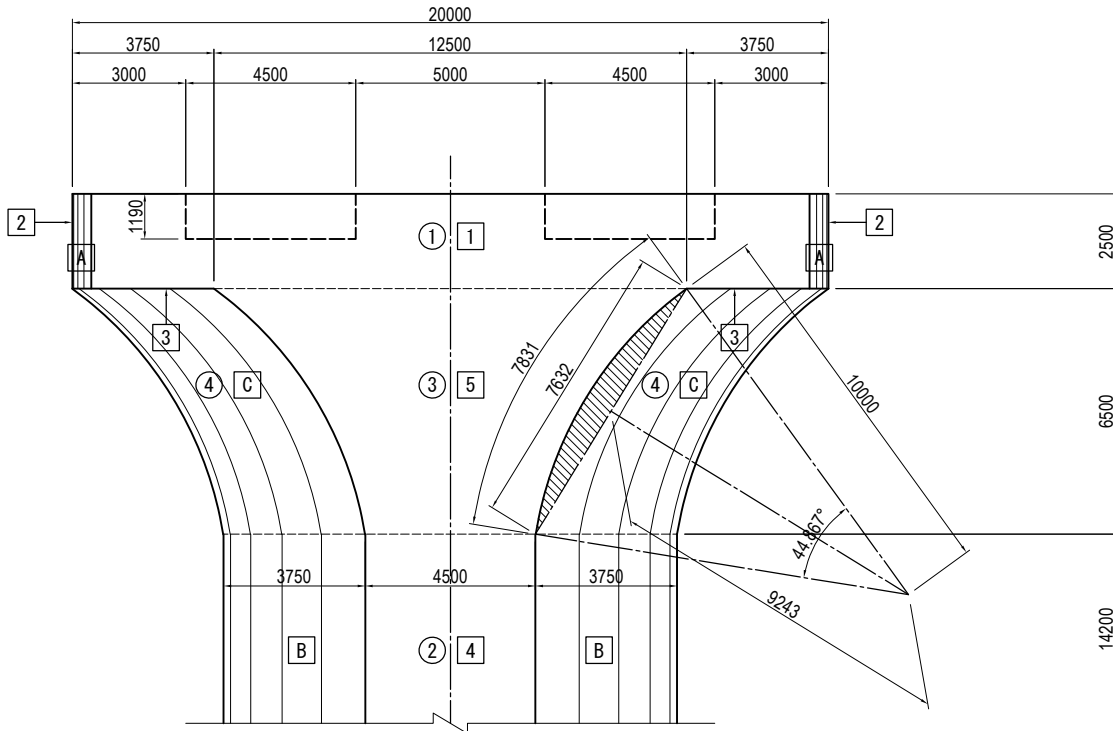
6 - 6



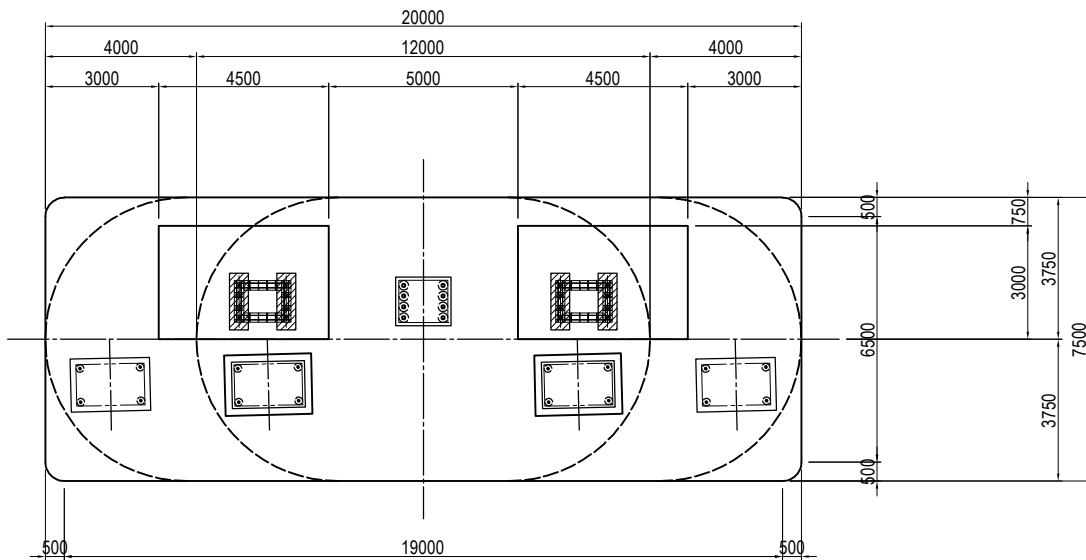
USE MATERIALS

	CONCRETE	BAR
BEAM+PILLAR	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

SIDE ELEVATION

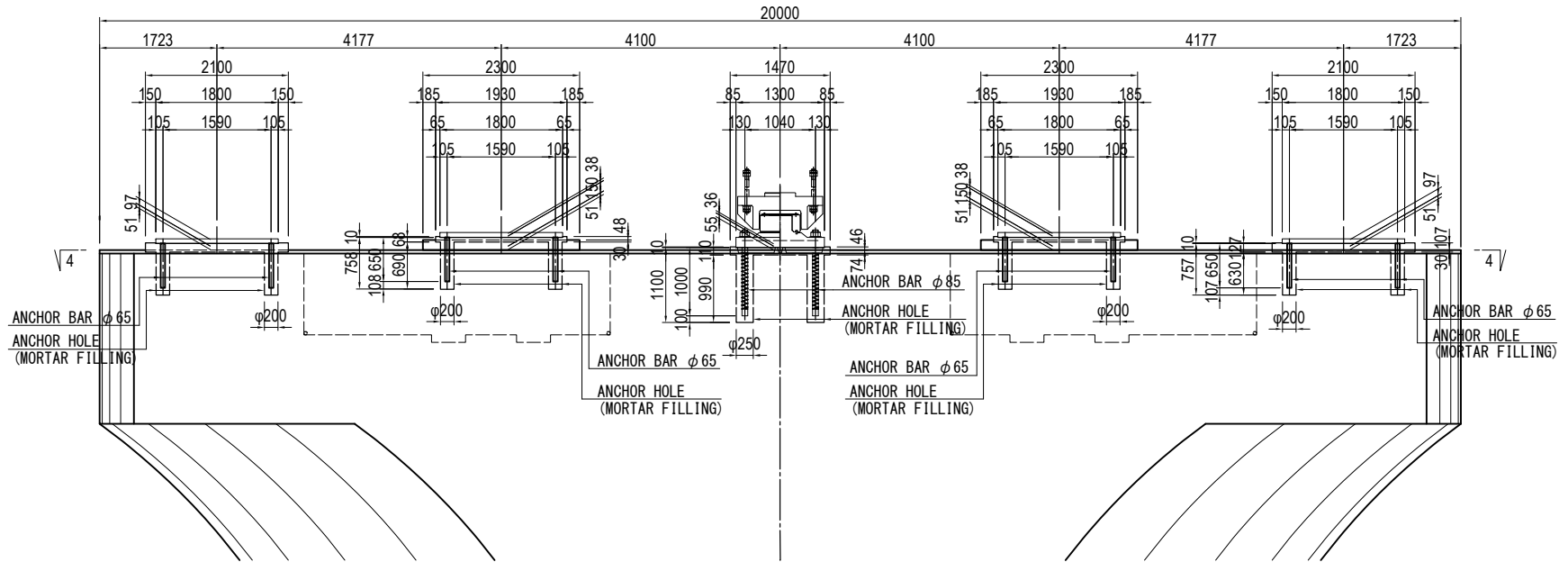


PLAN



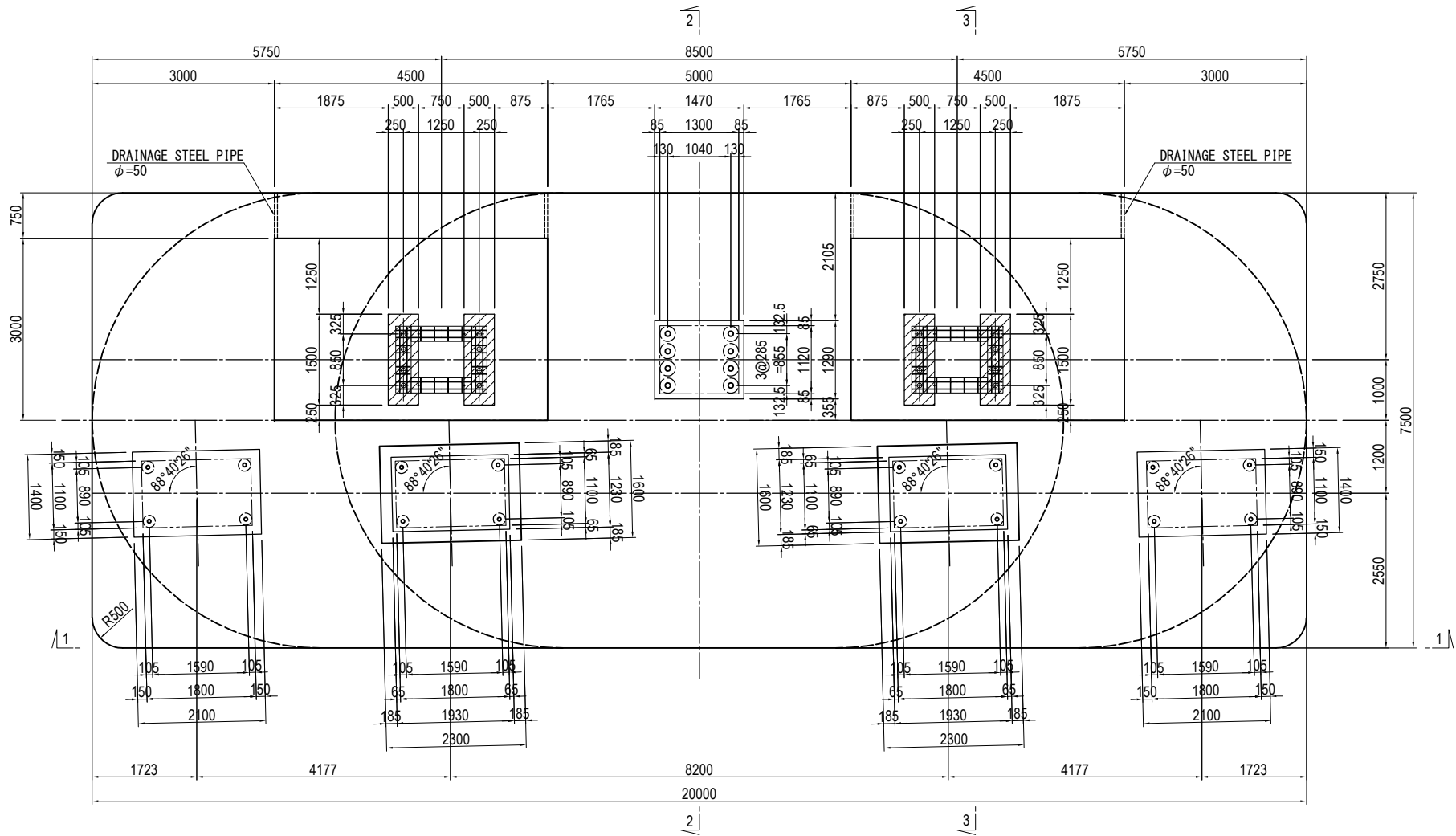
DETAIL OF BEARING AND ANCHOR
FRONT ELEVATION

1 - 1



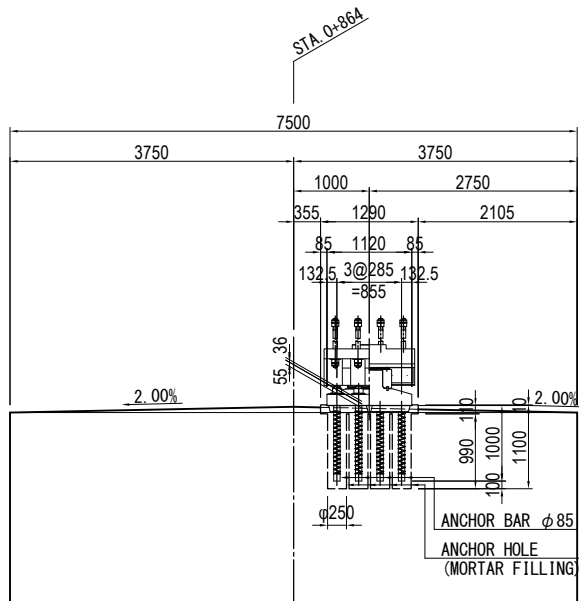
PLAN

4 - 4

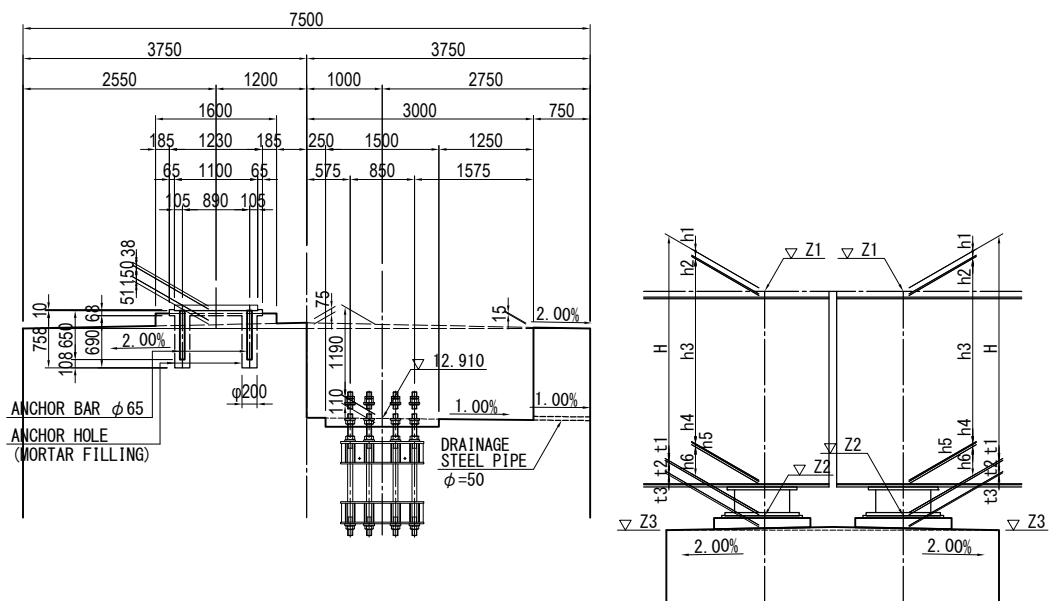


SIDE ELEVATION

2 - 2



3 - 3



		P10 PIER (S2)				P10 PIER (S1)		
		G1-S	G2	G3	G4-S	SL1	CL	SR1
PROPOSED HEIGHT	Z1	17.626	17.709	17.709	17.626	17.712	17.797	17.712
PAVEMENT	h1	0.080	0.080	0.080	0.080	0.080	0.080	0.080
UPPER FLANGE	h2	0.016	0.016	0.016	0.016	—	—	—
GIRDER	h3	2.706	2.700	2.700	2.706	2.615	2.700	2.615
BOTTOM FLANGE	h4	0.012	0.010	0.010	0.012	0.014	0.014	0.014
SOLE PLATE	h5	0.037	0.037	0.037	0.037	—	0.062	—
BEARING	h6	0.527	0.527	0.527	0.527	—	0.750	—
SUBTOTAL	H	3.378	3.370	3.370	3.378	0.903	3.606	0.903
ELEVATION OF BEARING BOTTOM	Z2	14.248	14.339	14.339	14.248	14.100	14.191	14.100
MORTAR	t1	0.097	0.038	0.038	0.097	—	0.036	—
BEARING BASE	t2	—	0.150	0.150	—	—	—	—
DRAINAGE INCLINE	t3	0.051	0.051	0.051	0.051	—	0.055	—
ELEVATION OF PIER TOP	Z3	14.100	14.100	14.100	14.100	14.100	14.100	14.100

2.3 Concrete

(1) Pier ($\sigma_{ck} = 30\text{N/mm}^2$)

1) Top Beam

$$\textcircled{1} \quad 20.000 * 7.500 * 2.500 = 375.000 \text{ m}^3$$

Grade Concrete

$$1/2 * 3.750 * 0.075 * 20.000 * 2 = 5.625 \text{ ''}$$

Base Concrete

$$\text{G2, G3} \quad 2.300 * 1.600 * 0.150 * 2 = 1.104 \text{ ''}$$

Beam corner cut off

$$-(1.000 * 1.000 - \pi/4 * 1.000 * 1.000) * 2.500 = -0.537 \text{ ''}$$

Rocking Bearing Subtraction of Box-out

$$- 4.500 * 3.000 * 1.190 * 2 = -32.130 \text{ ''}$$

$$- 0.500 * 1.500 * 0.110 * 4 = -0.330 \text{ ''}$$

$$- 1/2 * (0.075 + 0.015) * 3.000 * 4.500 * 2 = -1.215 \text{ ''}$$

$$\text{Beam Total} = 347.517 \text{ m}^3$$

2) Beam and Pier Column

【 Cross Section 】

$$\text{A} = \pi/4 * 7.500 * 7.500 + 4.500 * 7.500 = 77.929 \text{ m}^2$$

$$\textcircled{2} \quad 77.929 * 14.200 = 1,106.592 \text{ m}^3$$

$$\textcircled{3} \quad 1/2 * (4.500 + 12.500) * 6.500 * 7.500 = 414.375 \text{ ''}$$

$$\textcircled{4} \quad \pi/4 * 7.500 * 7.500 * 6.500 = 287.161 \text{ ''}$$

Subtraction of circular arc parts

$$- \left(\pi * 10.000 * 10.000 * 44.867 / 360 - 1/2 * 7.632 * 9.243 \right) * 7.500 * 2 = -58.238 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 1,749.890 \text{ m}^3$$

$$\text{Pier Total} = 2,097.407 \text{ m}^3$$

2.4 Formwork

(1) Pier

【 Formwork Type 】 Normal Form

【 Structure Type 】 Reinforced and Non-reinforced Structure

【 Height Division 】[Average Height] $H \leq 30m$

1) Top Beam

1	19.000	*	2.500	*	2	=	95.000 m ²				
2	6.500	*	2.500	*	2	=	32.500 "				
3	(7.500	*	7.500	-	$\pi/4$	*	7.500	*	7.500)	=	11.857 "
	- (1.000	*	1.000	-	$\pi/4$	*	1.000	*	1.000)		

Grade Concrete

1/2 *	3.750	*	0.075	*	2	*	2	=	0.563 "		
1/2 *	(0.075	+	0.015)	*	3.000	*	2	*	2	=	0.540 "
	0.075	*	4.500	*	2	=	0.675 "				
	0.015	*	4.500	*	2	=	0.135 "				

Base Concrete

G2, G3 (2.300	+	1.600)	*	2	*	0.150	*	2	=	2.340 "
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Rocking Bearing Box-out

(4.500	+	3.000)	*	2	*	1.190	*	2	=	35.700 "
(0.500	+	1.500)	*	2	*	0.110	*	4	=	1.760 "

Beam Total = 181.070 m²

2) Beam and Pier Column

$$\boxed{4} \quad 4.500 * 14.200 * 2 = 127.800 \text{ m}^2$$

$$\boxed{5} \quad 1/2 * (4.500 + 12.500) * 6.500 * 2 = 110.500 \text{ ''}$$

Subtraction of circular arc parts

$$- \left(\pi * 10.000 * 10.000 * \frac{44.867}{360} - \frac{1}{2} * 7.632 * 9.243 \right) * 2 = -7.765 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 230.535 \text{ m}^2$$

$$\text{Normal Form Total} = 411.605 \text{ m}^2$$

【 Structure Type 】 Reinforced and Non-reinforced Structure(Plywood Circular Formwork Usage)

1) Top Beam

$$\boxed{A} \quad \pi * 1.000 * 2.500 = 7.854 \text{ m}^2$$

2) Beam and Pier Column

$$\boxed{B} \quad \pi * 7.500 * 14.200 = 334.580 \text{ m}^2$$

$$\boxed{C} \quad \pi * 7.500 * 7.831 = 184.514 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 519.094 \text{ m}^2$$

$$\text{Circular Formwork Total} = 526.948 \text{ m}^2$$

(2) Drainage Steel Pipe $\phi = 50 \text{ mm}$

$$L = 0.750 * 4 = 3.000 \text{ m}$$

2.5 Re-bar

Work Item	Item	Specification	Division	Unit	Quantity	Supporting	
Re-bar	Weight	SD345	D 13	kg	—		
			D16~D25	D 16	"	7,285	
				D 19	"	—	
				D 22	"	81,241	
				D 25	"	—	
				Total	"	88,526	
				D29~D32	D 29	"	10,055
			D 32		"	56,370	
			Total		"	66,425	
			D 35	"	—		
			D 38	"	—		
			D 51	"	—		
			Total	"	154,951		
			Mechanical splice	SD345	D 35	Point	—
	D 38	"			—		
	D 51	"			—		
	Total	"			—		

2.6 Bearing

(1) Non-shrinkage Mortar

*Horizontal Bearing $t_1 = 46$ mm

Bearing	1.470	*	1.290	*	0.046		=	0.0872 m ³					
Box-out	1.470	*	1.290	*	0.074		=	0.1403 "					
Void	1/4	*	π	*	0.250	*	0.250	*	0.990	*	8	=	0.3888 "
BaseP Subtraction	-	1.300	*	1.120	*	0.010		=	-0.0146 "				
Anchor Subtraction	-1/4	*	π	*	0.085	*	0.085	*	1.000	*	8	=	-0.0454 "
<hr/>													
									v1			=	0.5563 m ³

*Rocking Bearing

Box-out	0.500	*	1.500	*	0.110	*	4		=	0.330 m ³
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Mortal	Total	=	0.886 m ³
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(2) Form for void for Anchor Bolt

【 Cylindrical Form 】 $\phi = 250$ mm

L	=	0.990	*	8		=	7.920 m
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(3) Box-out Formwork

A	=	2 * (1.470 + 1.290)	*	0.074	+	1.470	*	1.290		=	2.305 m ²
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2.7 Bearing (Origin Side)

(1) Non-shrinkage Mortar

* G1-S, G4-S	t 1 =	107	mm										
Bearing	2.100	*	1.400	*	0.107			=	0.3146 m3				
Box-out	2.100	*	1.400	*	0.030			=	0.0882 "				
Void	1/4	*	π	*	0.200	*	0.200	*	0.630	*	4	=	0.0792 "
BaseP Subtraction	-	1.800	*	1.100	*	0.010						=	-0.0198 "
Anchor Subtraction	-1/4	*	π	*	0.065	*	0.065	*	0.650	*	4	=	-0.0086 "
<hr/>													
									v1			=	0.4536 m3
									2 * v1			=	0.9072 m3
* G2, G3	t 2 =	48	mm										
Bearing	1.930	*	1.230	*	0.048							=	0.1139 m3
Box-out	1.930	*	1.230	*	0.030							=	0.0712 "
Void	1/4	*	π	*	0.200	*	0.200	*	0.690	*	4	=	0.0867 "
BaseP Subtraction	-	1.800	*	1.100	*	0.010						=	-0.0198 "
Anchor Subtraction	-1/4	*	π	*	0.065	*	0.065	*	0.650	*	4	=	-0.0086 "
<hr/>													
									v2			=	0.2434 m3
									2 * v2			=	0.4868 m3
<hr/>													
										Non-shrinkage Mortar	Total	=	1.394 m3

(2) Form for void for Anchor Bolt

【 Cylindrical Form 】	ϕ	=	200	mm									
L1	=	0.630	*	4	*	2						=	5.040 m
L2	=	0.690	*	4	*	2						=	5.520 "
<hr/>													
										Σ L	=	10.560 m	

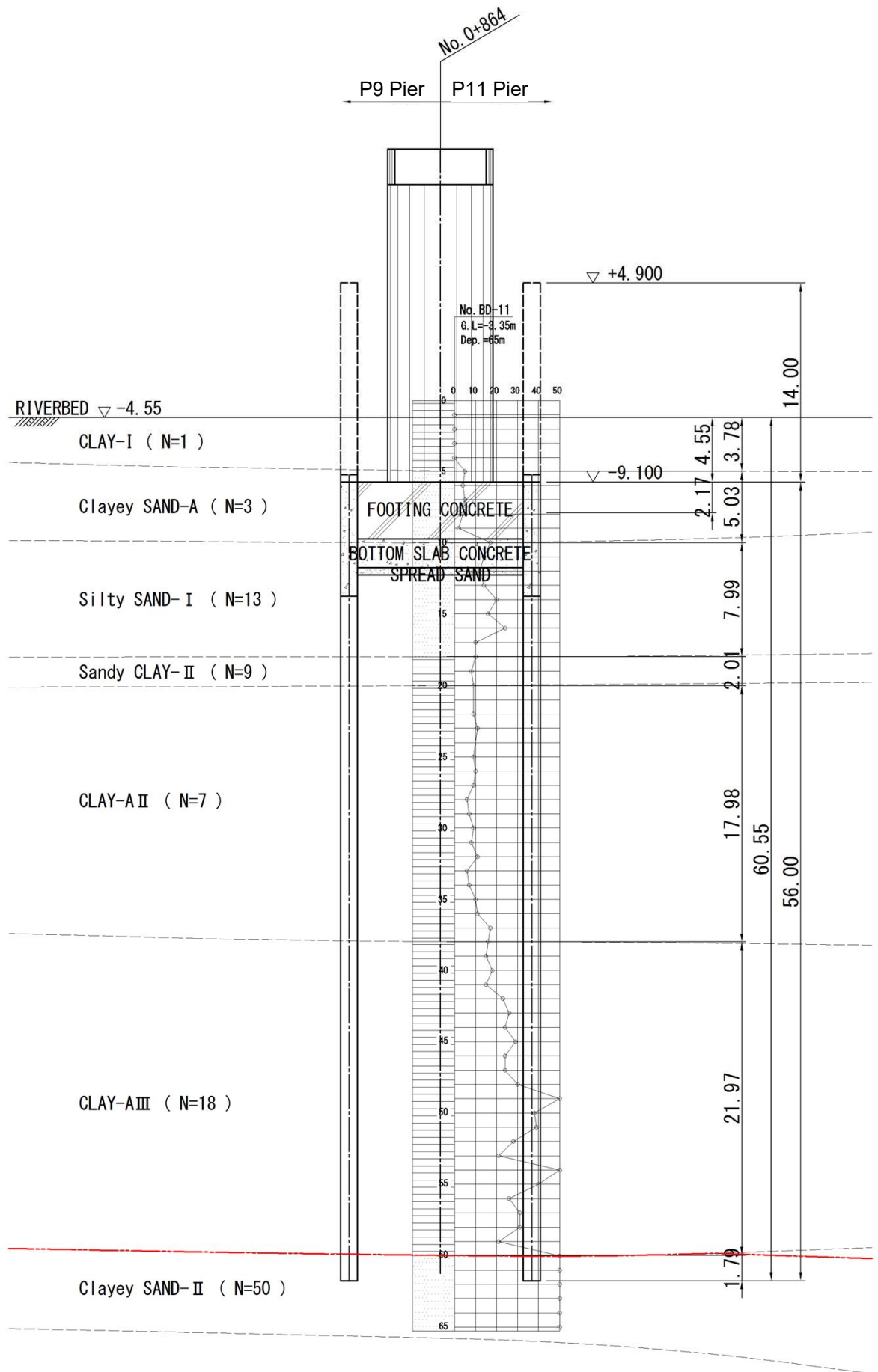
(3) Box-out Formwork

$$A1 = \{ 2 * (2.100 + 1.400) * 0.030 + 2.100 * 1.400 \} * 2 = 6.300 \text{ m}^2$$

$$A2 = \{ 2 * (1.930 + 1.230) * 0.030 + 1.930 * 1.230 \} * 2 = 5.127 \text{ ''}$$

$$\Sigma A = 11.427 \text{ m}^2$$

2.8 Foundation



1. Ruler

Guide frame : 0.350 m (H-350 × 350 × 12 × 19)
 Weight : 135.0 kg/m

Well Outside : 14.131 m (Longitudinal)
 Well Outside : 19.922 m (Transverse)
 Steel pipe well : 1.200 m
 Mounting space : 0.030 m

Guide frame(Outside)

$$\begin{aligned} L1 &= (14.131 + 0.030 + 0.350) \times \pi &= & 45.588 \text{ m} \\ L2 &= (19.922 - 14.131) \times 2 &= & 11.582 \text{ m} \\ && \text{Total} &= 57.170 \text{ m} \end{aligned}$$

$$W1 = 57.170 \times 135.0 = 7.718 \text{ t}$$

Guide frame(Inside)

$$\begin{aligned} L1 &= (14.131 - 1.200 \times 2 - 0.030 - 0.350) \times \pi &= & 35.660 \text{ m} \\ L2 &= (19.922 - 14.131) \times 2 &= & 11.582 \text{ m} \\ && \text{Total} &= 47.242 \text{ m} \end{aligned}$$

$$W2 = 47.242 \times 135.0 = 6.378 \text{ t}$$

Guide frame(Diaphragm Wall)

$$L1 = (14.131 - 1.200 \times 2 - 0.030 - 0.350 \times 2) \times 2 = 22.002 \text{ m}$$

$$W3 = 22.002 \times 135.0 = 2.970 \text{ t}$$

Total

$$W = W1 + W2 + W3 = 7.718 + 6.378 + 2.970 = 17.066 \text{ t}$$

Guide frame : 0.300 m (H-300 × 300 × 10 × 15)
 Weight : 93.0 kg/m
 Guide pile : 20.000 m

Guide frame

$$\begin{aligned} n1 &= 28 \text{ Nos.} \\ W1 &= 28 \times 20.000 \times 93.0 = 52.080 \text{ t} \end{aligned}$$

2. Excavation inside

Steel Pipe Well : 1.200 m
 Steel Pipe Well Area : 1.131 m²
 Steel Pipe Well Number : 36 Nos. (Outside Wall)
 Ground level : -4.550 m
 Footing Top : -9.100 m
 Footing : 4.000 m

$$\begin{aligned} \text{Excavation inside} &= 1.131 \times (-4.550 - -9.100 + 4.000 \times 2) \times 36 \\ &= 511.0 \text{ m}^3 \end{aligned}$$

3. Concrete Filling

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Filled Concrete Thickness : 8.000 m
Steel Pipe Well Number : 36 Nos. (Outside Wall)

$$\text{Concrete Filling} = 1.131 \times 8.000 \times 36 = 325.7 \text{ m}^3$$

$$\text{Consumption} = 325.7 \times (1 + K) = 338.7 \text{ m}^3$$

(K: Correction Factor= 0.04)

4. Cleaning Inside Joint Pipe

Ground level : -4.550 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 70.000 m
Steel Pipe Well Bottom : -65.100 m
Nothing Inside Joint Pipe : 1.800 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 45 Nos. (Outside Wall + Diaphragm Wall)

$$\text{Cleaning Inside Joint Pipe Length} = (-4.550 - -65.100 - 1.800) \times 45 = 2643.8 \text{ m}$$

5. Mortar filling inside joint pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 70.000 m
Steel Pipe Well Bottom : -65.100 m
Nothing Inside Joint Pipe : 1.800 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 45 Nos. (Outside Wall + Diaphragm Wall)
Inside Joint Pipe Area : 0.025 m² (ϕ 165.2*t11)

$$\text{Mortar Length} = (-9.100 - -65.100 - 1.800) \times 45 = 2439.0 \text{ m}$$

$$\text{Mortar Quantity} = 2439.0 \times 0.025 = 61.0 \text{ m}^3$$

$$\text{Consumption} = 61.0 \times (1 + K) = 64.1 \text{ m}^3$$

(K: Correction Factor= 0.05)

6. Sealing Inside Joint Pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Nothing Inside Joint Pipe : 0.300 m (Steel Pipe Well Top)
Steel Pipe Well Number : 36 Nos. (Outside Wall)

$$\text{Sealing Length} = (4.900 - -9.100 - 0.300) \times 36 = 493.2 \text{ m}$$

$$\text{Sealing Quantity} = 493.2 \times 0.025 = 12.3 \text{ m}^3$$

$$\text{Consumption} = 12.3 \times (1 + K) = 14.0 \text{ m}^3$$

(K: Correction Factor= 0.14)

$$\text{Sealing Bag} = 493.2 \times 2 = 986.4 \text{ m}$$

7. Excavation Inside the Well

(1) Excavation

Well Outside	:	14.131 m	(Longitudinal)
Well Outside	:	19.922 m	(Transverse)
Steel Pipe Well	:	1.200 m	
Steel Pipe Well Area	:	1.131 m ²	
Steel Pipe Well Number	:	36 Nos.	(Outside Wall)
	:	8 Nos.	(Diaphragm Wall)

$$\begin{aligned} \text{Steel Pile Well Area} &= \left(14.131 - 1.200 \right)^2 \times \frac{\pi}{4} \\ &+ \left(19.922 - 14.131 \right) \times \left(14.131 - 1.200 \right) \\ &- 1.131 \times \frac{36}{2} \\ &= 185.9 \text{ m}^2 \end{aligned}$$

$$\text{Diaphragm Wall Area} = 1.131 \times 8 = 9.0 \text{ m}^2$$

$$\begin{aligned} \text{Steel Pile Well Area} &= 185.9 - 9.0 \\ \text{(Subtraction of Diaphragm Wall)} &= 176.9 \end{aligned}$$

Ground level	:	-4.550 m
Footing Top	:	-9.100 m
Footing	:	4.000 m
Bottom Slab Thickness	:	2.000 m
Spread sand	:	0.500 m

$$\begin{aligned} \text{Excavation Inside the Well} &= 185.9 \times \left(-4.550 - -9.100 + 4.000 \right) \\ &+ 176.9 \times \left(2.000 + 0.500 \right) \\ &= 2031.7 \text{ m}^3 \end{aligned}$$

(2) Backfill Inside the Well

Pier	:	7.500 m	(Longitudinal)
	:	12.000 m	(Transverse)

$$\begin{aligned} \text{Pier Area} &= \left(7.500 \right)^2 \times \frac{\pi}{4} + \left(12.000 - 7.500 \right) \times 7.500 \\ &= 77.9 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Inside the Well Area} &= \left(14.131 \right)^2 \times \frac{\pi}{4} + \left(19.922 - 14.131 \right) \times 14.131 \\ &= 238.7 \text{ m}^2 \end{aligned}$$

$$\text{Backfill} = \left(238.7 - 77.9 \right) \times \left(-4.550 - -9.100 \right) = 731.6 \text{ m}^3$$

(3) Surplus soil

$$\text{Surplus soil} = 2031.7 - 731.6 = 1300.1 \text{ m}^3$$

8. Footing concrete

Steel Pile Well Area	:	185.9 m ²
Footing	:	4.000 m

$$\text{Footing Concrete} = 185.9 \times 4.000 = 743.6 \text{ m}^3$$

9. Bottom Slab

Steel Pipe Well Area : 176.9 m² (Subtraction of Diaphragm Wall)
Bottom Slab Thickness : 2.000 m

$$\text{Bottom Slab Concrete} = 176.9 \times 2.000 = 353.8 \text{ m}^3$$

$$\text{Consumption} = 353.8 \times (1 + K) = 385.6 \text{ m}^3$$

(K: Correction Factor = 0.09)

10. Spread Sand

Steel Pipe Well Area : 176.9 m² (Subtraction of Diaphragm Wall)
Spread sand : 0.500 m

$$\text{Spread Sand} = 176.9 \times 0.500 = 88.5 \text{ m}^3$$

11. Welding of the dowel

Steel Pipe Well Number : 36 Nos. (Outside Wall)
Moment Re-bar : 10 Stage
Shearforce Re-bar : 20 Stage

$$\begin{aligned} \text{Welding of the dowel} &= 36 \times (10 + 20) \\ &= 1080 \text{ Stage} \end{aligned}$$

12. Pile Head

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Steel Pipe Well Number : 8 Nos. (Diaphragm Wall)
Filled Concrete Thickness : 1.500 m (Subtraction of imbedding) : 1.400 m
Ground level : -4.550 m
Footing Bottom : -13.100 m

$$\begin{aligned} \text{Excavation inside} &= 1.131 \times (-4.550 - (-13.100) + 1.400) \times 8 \\ &= 90.0 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{Concrete Filling} &= 1.131 \times 1.400 \times 8 \\ &= 12.7 \text{ m}^3 \end{aligned}$$

13. Cut-off the pipe

Steel Pipe Well Number : 36 本 (Outdside Wall)
8 本 (Diaphragm Wall)
Steel Pipe Well Top : 4.900 m
Cut-off Position : -8.600 m (50cm upper from Footing Top)
-13.000 m (10cm lower from Footing Top)

$$\begin{aligned} \text{Cut-off Length} &= 4.900 - (-8.600) = 13.500 \text{ m (Outdside Wall)} \\ &= 4.900 - (-13.000) = 17.900 \text{ m (Diaphragm Wall)} \end{aligned}$$

14. Quantity Table

(1) Steel Pipe Well

Type:A,C

18 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point (t)	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	8.5 m	3.477	1	3.477 t
	SKY490	φ 1200 t= 14	0.409	23.0 m	9.407	1	9.407 t
	SKY400	φ 1200 t= 14	0.409	2.0 m	0.818	1	0.818 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	36.5 m	14.929	1	14.929 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	32.9 m	1.375	2	5.676 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	34.4 m	1.438	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type:B,D

16 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point (t)	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	8.5 m	3.477	1	3.477 t
	SKY490	φ 1200 t= 14	0.409	23.0 m	9.407	1	9.407 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	35.5 m	14.520	1	14.520 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	33.9 m	1.417	2	5.676 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	33.4 m	1.396	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type:F

2 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point (t)	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	8.5 m	3.477	1	3.477 t
	SKY490	φ 1200 t= 14	0.409	23.0 m	9.407	1	9.407 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	35.5 m	14.520	1	14.520 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	3 Piece
Precut				3 Point		1	3 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	33.9 m	1.417	3	8.514 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	33.4 m	1.396	3	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	3	

Type:G

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point (t)	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	35.5 m	14.520	1	14.520 t
Bottom Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	34.5 m	14.111	1	14.111 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	34.9 m	1.459	2	5.676 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	32.4 m	1.354	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type:H

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point (t)	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	36.5 m	14.929	1	14.929 t
Bottom Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	33.5 m	13.702	1	13.702 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	35.9 m	1.501	2	5.678 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	31.4 m	1.313	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Total	φ 1200 t= 14mm (SKY400)	921.112 t
	φ 1200 t= 14mm (SKY490)	338.652 t
	φ 165.2 t= 11mm (STK400)	255.428 t
	Reinforcement Band (SS400)	3.520 t
	Members for Perimeter Field Welding (t14) (SS400)	0.528 t
	Stopper (SS400)	352 Piece
	Sling① (SM490A)	0.000 t
	Sling② (SM490A)	2.288 t
	Interlocking Toe (SS400)	90 Piece
	Precut	90 Point
	In-situ Attached Interlocking	90 Point

(2) Connection between steel pipe sheet pile and footing

Type	Steel	Length (m)	Num	Unit Weight	Mass(kg)	Memo
Moment Re-bar						
P1	D22	1.000	720	3.04	2,189	SD345
P2	D22	1.000	720	3.04	2,189	SD345
Shear Force Re-bar						
P3	D22	0.700	1440	3.04	3,067	SD345
P4	D22	0.700	1440	3.04	3,067	SD345
Total					10,512	kg

(3) Pile head

Type	Specification	Length (m)	Num	Unit Weight	Mass(kg)	Remark	Memo
Filled Re-bar							
	D29	2.880	96	5.04	1,393	SD345	
Tie hoop							
	D13	4.560	72	0.995	327	SD345	
Erection bar							
	D13	3.720	40	0.995	148	SD345	
Subtotal					1,868	kg	
Shear Connector							
	PL-32 × 16	3.597	16	4.02	231	SS400	
Stopper							
	PL-25 × 9	0.050	48	1.77	4	SS400	
Subtotal					235	kg	
Total					2,103	kg	

(4) Others

Type	Item	Unit	Quantity	Remark	memo
Concrete					
	Concrete filling	(m ³)	338.7	$\sigma_{ck}=18N/mm^2$	
	Concrete filling(Pile head)	(m ³)	12.7	$\sigma_{ck}=24N/mm^2$	
	Footing concrete	(m ³)	743.6	$\sigma_{ck}=24N/mm^2$	
	Bottom slab concrete	(m ³)	385.6	$\sigma_{ck}=21N/mm^2$	
	Spread sand	(m ³)	88.5		
Mortar filling inside					
	Mortar filling inside joint pipe	(m ³)	62.6	$\sigma_{ck}=21N/mm^2$	
	Sealing inside joint pipe	(m ³)	14.0	$\sigma_{ck}=0.2N/mm^2$	
	Sealing bag	(m)	986.4		
Excavation					
	Excavation inside the well	(m ³)	2,031.7		2632.7
	Excavation inside	(m ³)	511.0		
	Excavation inside (Pile head)	(m ³)	90.0		
	Cleaning inside joint pipe	(m)	2,585.0		
	Backfill inside the well	(m ³)	731.6		731.6
	Surplus soil (waste soil)	(m ³)	1300.1		1901.1

(5) Footing Re-bar

Type	Item	Specification	Division	Unit	Quantity	Remark	
Footing Re-bar	Mass	SD345	D 13	kg	—		
			D16~D25	D 16	"	5,616	
				D 19	"	—	
				D 22	"	2,917	
				D 25	"	—	
				Total	"	8,533	
			D29~D32	D 29	"	—	
				D 32	"	8,672	
				Total	"	8,672	
			D 35	"	14,264		
			D 38	"	—		
			D 51	"	53,833		
			Total	"	85,302		
	Mechanical splice	SD345	D 35	Point	110		
			D 38	"	—		
			D 51	"	214		
			Total	"	324		

15. Weighted Average N-value

Soil Coefficient : 1.00

Stratum	Formation (m)	N-value	Thickness (m)	L × N
Current Ground Level	-4.550	-		
CLAY- I	-8.33	1	3.78	3.78
Clayey SAND-A	-13.36	3	5.03	15.09
Silta Sand- I	-21.35	13	7.99	103.87
Sandy CLAY- II	-23.36	9	2.01	18.09
CLAY-A II	-41.34	7	17.98	125.86
CLAY-A III	-63.31	18	21.97	395.46
Clayey SAND- II	-65.10	50	1.79	89.50
Total		12.4	60.55	751.65

3. P11 Pier

3. P11 PIER

3.1 Quantity summary table

【 P11 PIER Quantity Summary Table (1/4) 】

Work Item	Item		Specification	Division	Unit	Quantity	Supporting
Concrete	Pier	Primary Construction	$\sigma_{ck}=30\text{N/mm}^2$		m ³	1,801.1	
Formwork	Pier	Primary Construction	Normal Form	H ≤ 30m	m ²	268.3	
			Circular Formwork		"	514.8	
Bearing	Bearing Mortar		Mortal		m ³	12.535	Superstructure construction
			Non-shrinkage Mortar		m ³	2.815	Superstructure construction
	Form for void for Anchor Bolt		Cylindrical Form		m	—	
	Box-out Formwork		Box-out Formwork		m ²	21.8	
Re-bar	Weight		SD345	D 13	kg	—	
				D16 ~ D25	"	77,588	
				D29 ~ D32	"	6,604	
				D 35	"	—	
				D 38	"	—	
				D 51	"	88,337	
				Total	"	172,529	
	Mechanical splice		SD345	D 35	Point	—	
				D 38	"	—	
				D 51	"	412	
Total				"	412		

【 P11 PIER Quantity Summary Table (2/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting		
Steel Pipe Sheet Pile Foundation	Steel pipe well	Steel pipe length(ϕ 1200mm)		m/Nos.	74.0			
		Pile number		Nos.	40	Outside Steel Pipe Well		
				"	8	Diaphragm Steel Sheet Pipe Wall		
		Total		"	48			
		Pile extension		m	3,552.0			
		Embedded depth		m	63.7	Soil Coefficient=1.00		
		Number (Type A·C·E)	Steel pipe Mass	ϕ 1200	t=14mm	t	18.406	SKY400
					t=16mm	"	13.543	SKY490
				ϕ 165.2	t=11mm	"	6.018	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
			Precut		"	2		
		Number (Type B·D)	Steel pipe Mass	ϕ 1200	t=14mm	t	18.406	SKY400
					t=16mm	"	13.543	SKY490
				ϕ 165.2	t=11mm	"	6.020	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
In-situ Attached Interlocking				Point	2	STK400		
Precut			"	2				
Number (Type F)	Steel pipe Mass	ϕ 1200	t=14mm	t	18.406	SKY400		
			t=16mm	"	13.543	SKY490		
		ϕ 165.2	t=11mm	"	9.030	STK400		
	Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400		
		Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400		
			PL t=16mm	"	—	SS400		
		Sling	PL t=22mm	"	0.052	SM490A		
		InterLocking Toe	PL t=12mm	Piece	3	SS400		
		In-situ Attached Interlocking		Point	3	STK400		
	Precut		"	3				

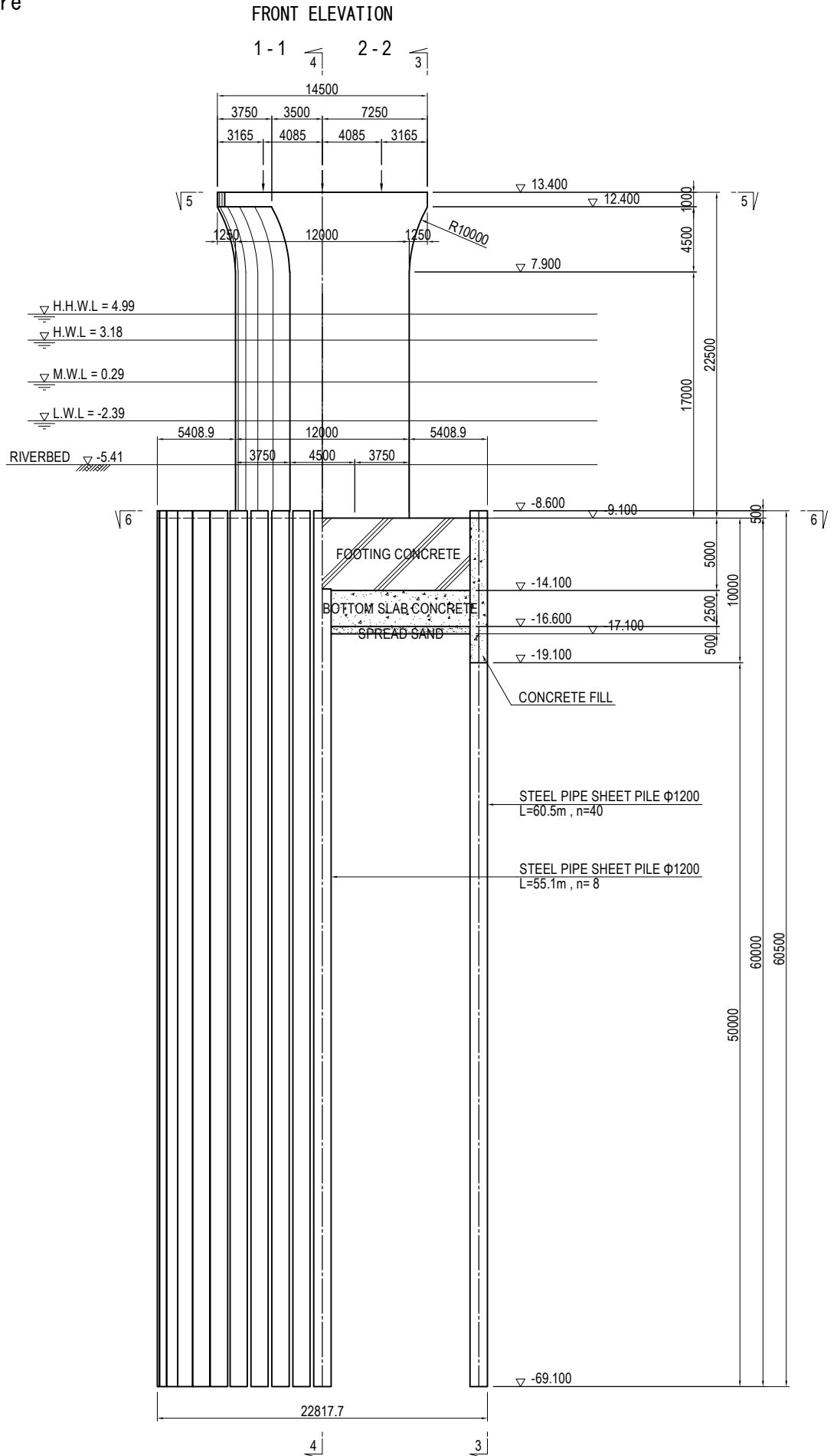
【 P11 PIER Quantity Summary Table (3/4) 】

Work Item	Item	Division			Unit	Quantity	Supporting	
Steel Pipe Sheet Pile Foundation	Steel pipe well	Number (Type G)	Steel pipe Mass	φ 1200	t=14mm	t	30.267	SKY400
					t=16mm	"	—	SKY490
				φ 165.2	t=11mm	"	6.020	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		Number (Type H)	Steel pipe Mass	φ 1200	t=14mm	t	30.267	SKY400
					t=16mm	"	—	SKY490
				φ 165.2	t=11mm	"	6.020	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		Total Number	Steel pipe Mass	φ 1200	t=14mm	t	978.376	SKY400
					t=16mm	"	541.720	SKY490
				φ 165.2	t=11mm	"	294.940	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	3.840	SS400
	Members for Perimeter Field Welding (Backing Ring Stopper)			PL t=14mm	"	0.576	SS400	
				PL t=16mm	"	—	SS400	
	Sling			PL t=22mm	"	2.496	SM490A	
	InterLocking Toe			PL t=12mm	Piece	98	SS400	
	In-situ Attached Interlocking				Point	98	STK400	
	Precut			"	98			
	Excavation inside			m3	619.3			
		Pile head		"	92.2			
	Concrete filling	Fill concrete	σ ck=18N/mm2	m3	470.5	Correction Factor=0.04		
Pile head		σ ck=24N/mm2	"	13.6				
Cleaning inside joint pipe			m	3,037.5				
Mortar filling inside joint pipe	σ ck=21N/mm2	Mortar length	m	2,856.7	Mortar=2.5m3/100m			
		Mortar quantity	m3	75.0	Correction factor=0.05			
Inside Joint Pipe Sealing	σ ck=0.2N/mm2	InterLocking Sealing Length	m	548.0	Mortar=2.5m3/100m			
		InterLocking Sealing	m3	15.6	Correction factor=0.14			
		Sealing	m	1,096.0	Per 100m Joint=200.0			

【 P11 PIER Quantity Summary Table (4/4) 】

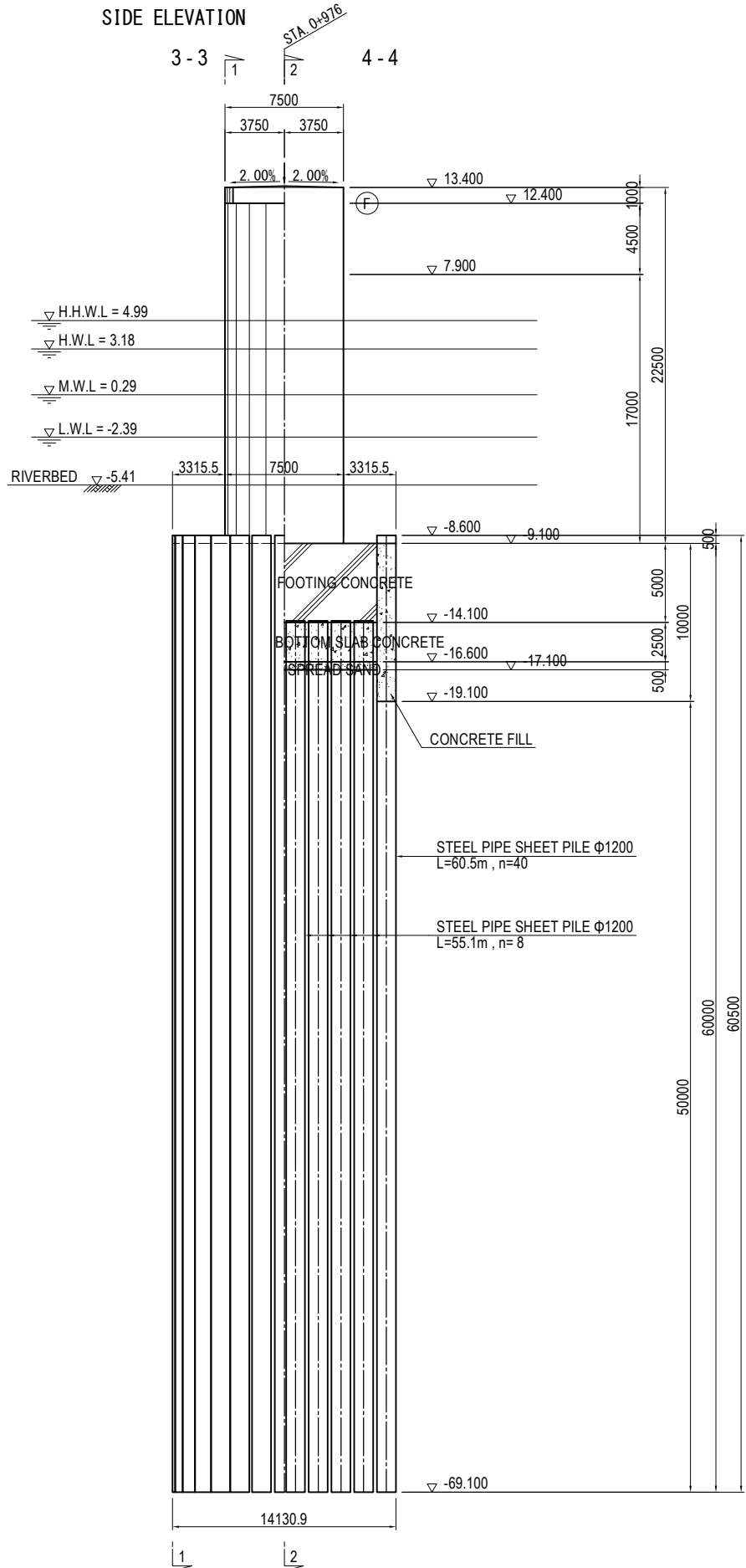
Work Item	Item	Division		Unit	Quantity	Supporting	
S t e e l P i p e S h e e t P i l e F u n d a t i o n	Excavation inside the Well			m3	2,556.5		
	Backfill inside the well			m3	744.3		
	Surplus soil			m3	1,812.2		
	Footing concrete	$\sigma_{ck}=24\text{N/mm}^2$		m3	1,105.0		
	Bottom slab concrete	$\sigma_{ck}=21\text{N/mm}^2$		m3	577.7	Correction Factor=0.09	
	Spread sand			m3	106.0		
	Pile head Connection	Shear Connector	PL-32 × 16 × 3597		kg	231	
		Stopper	PL-25 × 9 × 50		"	4	
	Pile head Rebar	Mass	SD345	D 13	kg	467	
				D16 ~ D25	"	—	
				D29 ~ D32	"	1,860	
				Total	"	2,327	
	Footing Re-bar	Mass	SD345	D 13	kg	—	
				D16 ~ D25	"	11,096	
				D29 ~ D32	"	—	
				D 35	"	—	
				D 38	"	31,452	
				D 51	"	84,529	
		Total	"	127,077			
		Mechanical Splice	SD345	D 35	Point	—	
	D 38			"	174		
	D 51			"	322		
	Total			"	496		
Welding of the dowel	Welding of the dowel stage		Stage	1,520			
	Welding of the dowel Mass		kg	14,406			
Cut-off the Pipe	$\phi 1200$		Nos.	48			

3.2 Structure



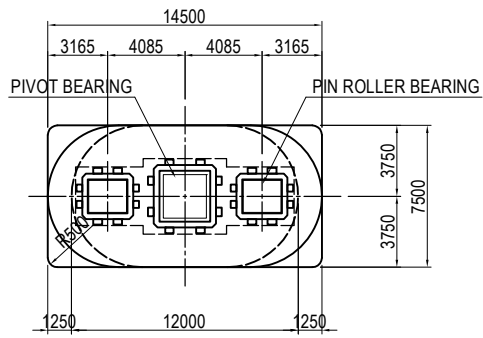
SIDE ELEVATION

3 - 3 1 2 4 - 4



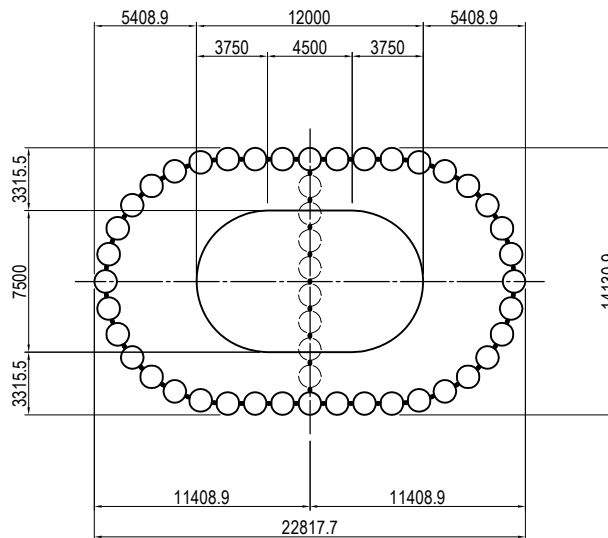
PLAN

5 - 5



PLAN

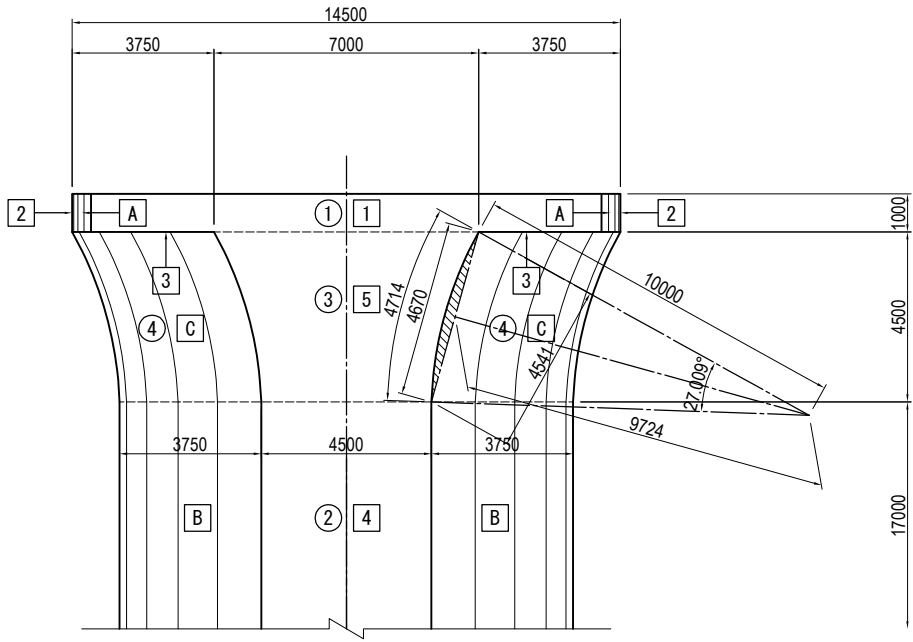
6 - 6



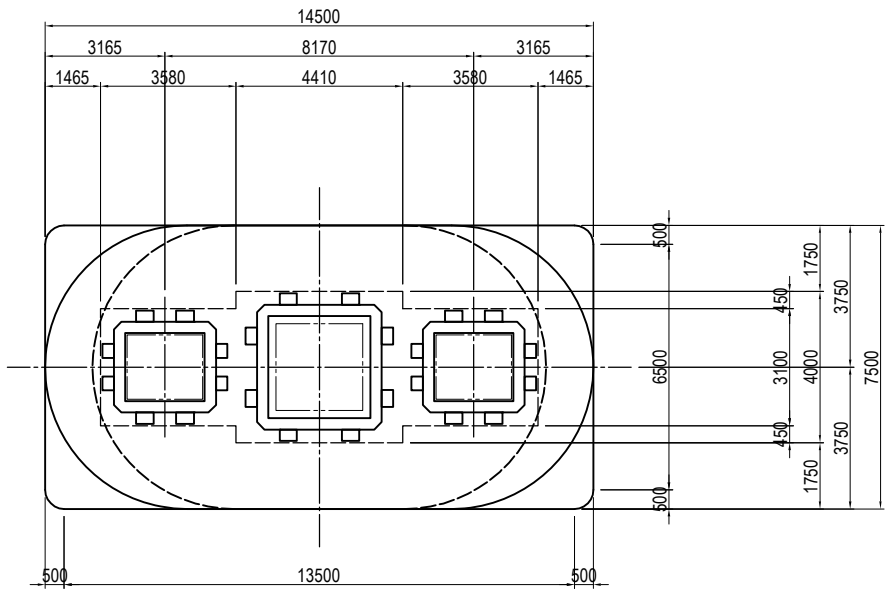
USE MATERIALS

	CONCRETE	BAR
BEAM+PILLAR	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

SIDE ELEVATION

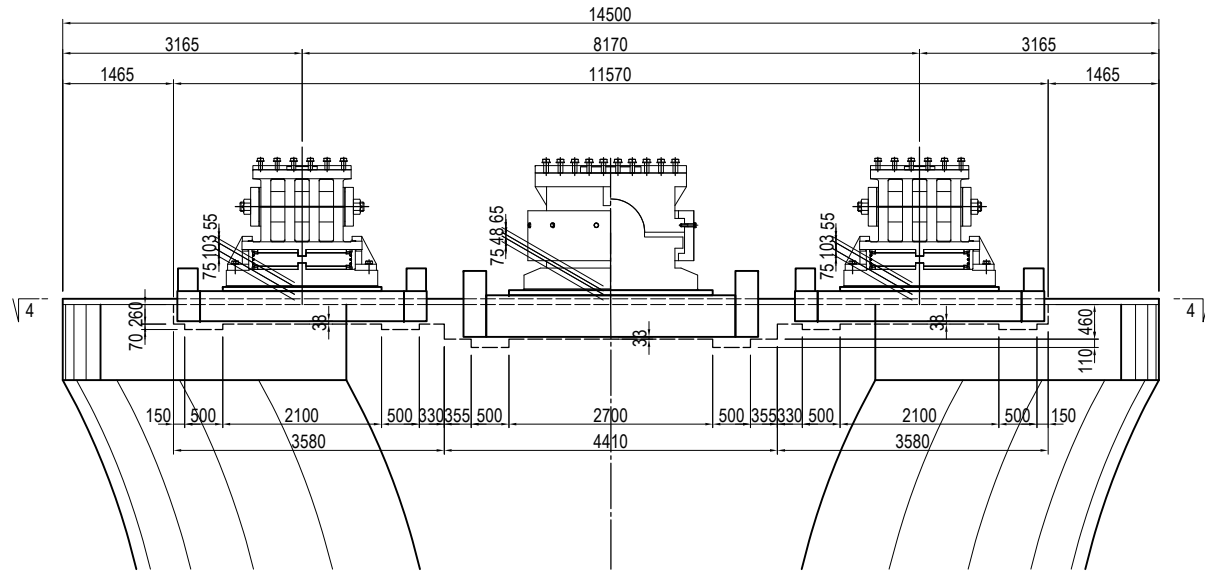


PLAN



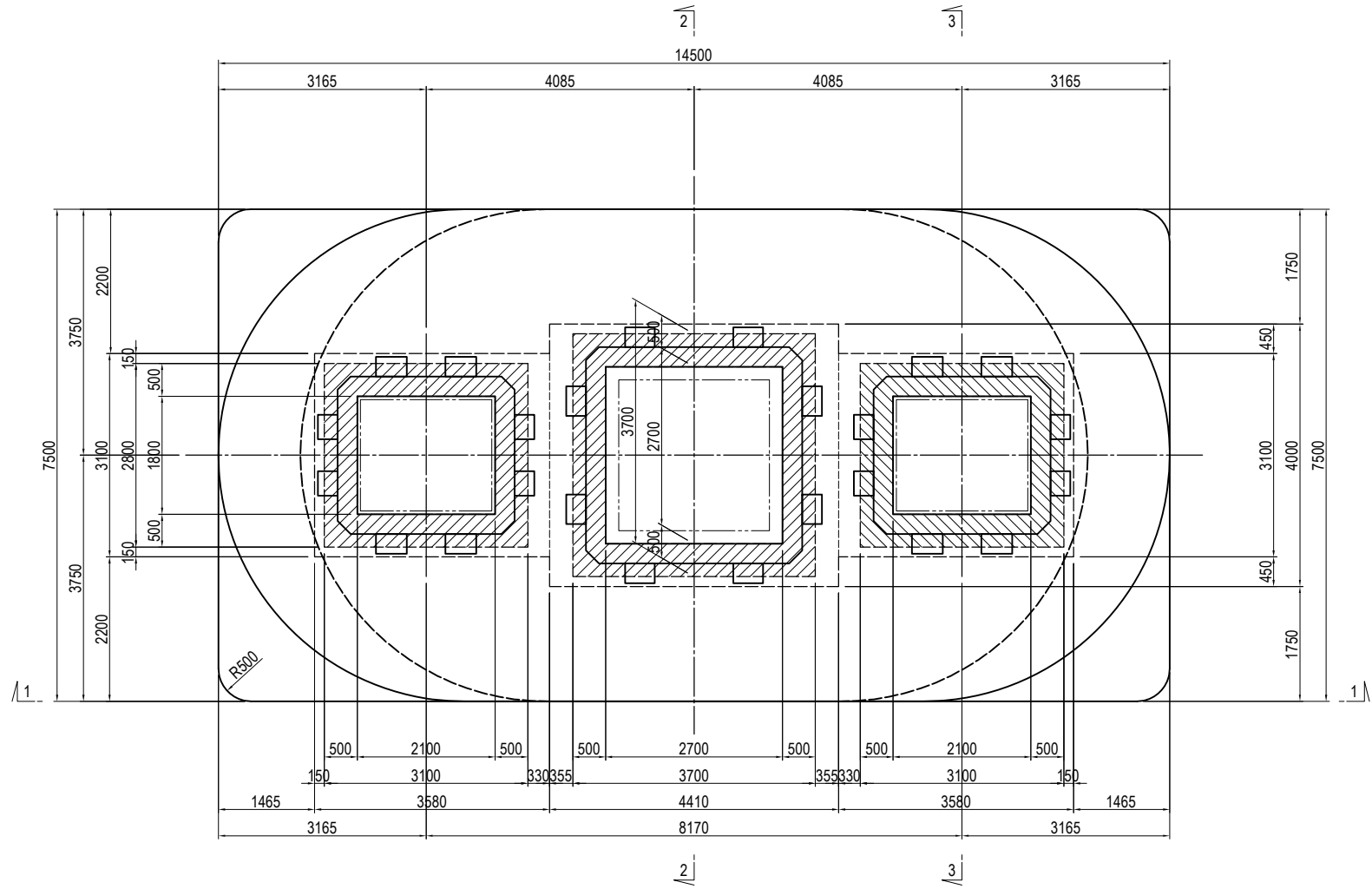
DETAIL OF BEARING AND ANCHOR
FRONT ELEVATION

1 - 1



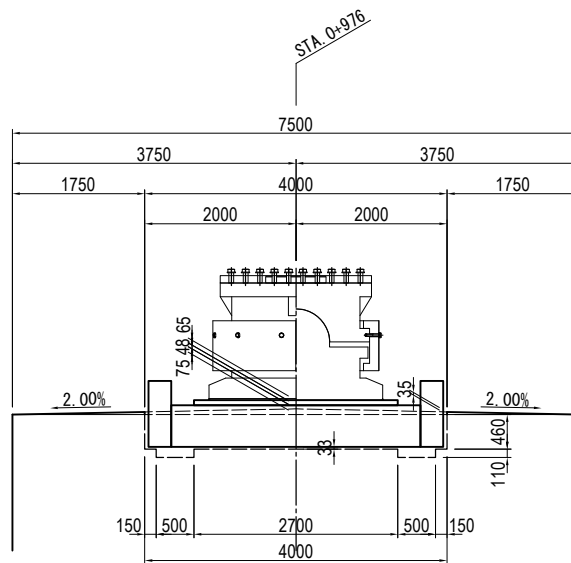
PLAN

4 - 4

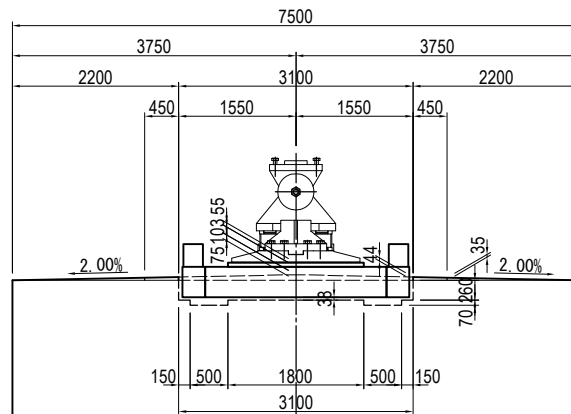


SIDE ELEVATION

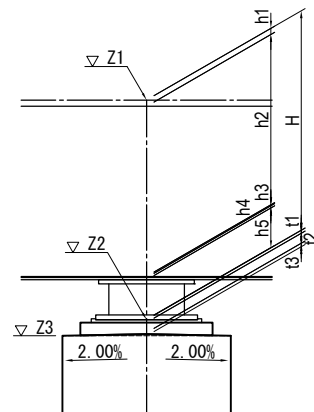
2 - 2



3 - 3



		P11 PIER		
		SL2	CL	SR2
PROPOSED HEIGHT	Z1	17.948	18.030	17.948
PAVEMENT	h1	0.080	0.080	0.080
GIRDER	h2	2.618	2.700	2.618
BOTTOM FLANGE	h3	0.015	0.015	0.015
SOLE PLATE	h4	0.052	0.097	0.052
BEARING	h5	1.550	1.550	1.550
SUBTOTAL	H	4.315	4.442	4.315
ELEVATION OF BEARING BOTTOM	Z2	13.633	13.588	13.633
MORTAR	t1	0.055	0.065	0.055
BEARING BASE	t2	0.103	0.048	0.103
DRAINAGE INCLINE	t3	0.075	0.075	0.075
ELEVATION OF PIER TOP	Z3	13.400	13.400	13.400



3.3 Concrete

(1) Pier (σ_{ck} = 30N/mm²)

1) Top Beam

$$\textcircled{1} \quad 14.500 * 7.500 * 1.000 = 108.750 \text{ m}^3$$

Grade Concrete

$$1/2 * 3.750 * 0.075 * 14.500 * 2 = 4.078 \text{ ''}$$

Beam corner cut off

$$- (1.000 * 1.000 - \pi/4 * 1.000 * 1.000) * 1.000 = -0.215 \text{ ''}$$

Subtraction of Box-out

$$- 3.580 * 3.100 * 0.260 * 2 = -5.771 \text{ ''}$$

$$- 4.410 * 4.000 * 0.460 = -8.114 \text{ ''}$$

$$- 1/2 * (0.075 + 0.044) * 1.550 * 3.580 * 2 * 2 = -1.321 \text{ ''}$$

$$- 1/2 * (0.075 + 0.035) * 2.000 * 4.410 * 2 = -0.970 \text{ ''}$$

$$\text{Top Beam Total} = 96.437 \text{ m}^3$$

2) Beam and Pier Column

【Cross Section】

$$A = \pi/4 * 7.500 * 7.500 + 4.500 * 7.500 = 77.929 \text{ m}^2$$

【 Volume of Concrete】

$$\textcircled{2} \quad 77.929 * 17.000 = 1,324.793 \text{ m}^3$$

$$\textcircled{3} \quad 1/2 * (4.500 + 7.000) * 4.500 * 7.500 = 194.063 \text{ ''}$$

$$\textcircled{4} \quad \pi/4 * 7.500 * 7.500 * 4.500 = 198.804 \text{ ''}$$

Subtraction of circular arc parts

$$- (\pi * 10.000 * 10.000 * 27.009 / 360 - 1/2 * 4.670 * 9.724) * 7.500 * 2 = -12.964 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 1,704.696 \text{ m}^3$$

$$\text{Pier Total} = 1,801.133 \text{ m}^3$$

3.4 Formwork

(1) Pier

【 Formwork Type 】 Normal Form

【 Structure Type 】 Reinforced and Non-reinforced Structure

【 Height Division 】[Average Height] $H \leq 30m$

1) Top Beam

1	13.500	*	1.000	*	2	=	27.000 m ²				
2	6.500	*	1.000	*	2	=	13.000 "				
3	(7.500	*	7.500	-	$\pi/4$	*	7.500	*	7.500)	=	11.857 "
	- (1.000	*	1.000	-	$\pi/4$	*	1.000	*	1.000)		

Grade Concrete

1/2 *	3.750	*	0.075	*	2	*	2	=	0.563 "		
1/2 *	(0.075	+	0.044)	*	1.550	*	2	*	2	=	0.369 "
1/2 *	(0.044	+	0.035)	*	0.450	*	4	=	0.071 "		
	0.044	*	3.580	*	2	*	2	=	0.630 "		
	0.035	*	4.410	*	2	=	0.309 "				

Box-out

(3.100	+	3.580	*	2	) *	0.260	*	2	=	5.335 "
(4.410	+	0.450	*	2	) *	0.460	*	2	=	4.885 "
3.100	*	0.200	*	2	=	1.240 "				

Top Beam Total = 65.259 m²

2) Beam and Pier Column

$$\boxed{4} \quad 4.500 * 17.000 * 2 = 153.000 \text{ m}^2$$

$$\boxed{5} \quad 1/2 * (4.500 + 7.000) * 4.500 * 2 = 51.750 \text{ ''}$$

Subtraction of circular arc parts

$$- \left(\pi * 10.000 * 10.000 * \frac{27.009}{360} - \frac{1}{2} * 4.670 * 9.724 \right) * 2 = -1.729 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 203.021 \text{ m}^2$$

$$\text{Normal Form Total} = 268.280 \text{ m}^2$$

【 Structure Type 】 Reinforced and Non-reinforced Structure(Plywood Circular Formwork Usage)

1) Top Beam

$$\boxed{A} \quad \pi * 1.000 * 1.000 = 3.142 \text{ m}^2$$

2) Beam and Pier Column

$$\boxed{B} \quad \pi * 7.500 * 17.000 = 400.553 \text{ m}^2$$

$$\boxed{C} \quad \pi * 7.500 * 4.714 = 111.071 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 511.624 \text{ m}^2$$

$$\text{Circular Formwork Total} = 514.766 \text{ m}^2$$

3.5 Re-bar

Work Item	Item	Specification	Division	Unit	Quantity	Supporting	
Re-bar	Weight	SD345	D 13	kg	—		
			D16~D25	D 16	"	4,775	
				D 19	"	—	
				D 22	"	72,813	
				D 25	"	—	
				Total	"	77,588	
				D29~D32	D 29	"	—
			D 32		"	6,604	
			Total		"	6,604	
			D 35	"	—		
			D 38	"	—		
			D 51	"	88,337		
			Total	"	172,529		
			Mechanical splice	SD345	D 35	Point	—
	D 38	"			—		
	D 51	"			412		
	Total	"			412		

3.6 Bearing

(1) Mortal

* Pin Roller Bearing

$$\text{Box-out} \quad 3.580 \quad * \quad 3.100 \quad * \quad 0.222 \quad * \quad 2 \quad = \quad 4.928 \text{ m3}$$

Grade Concrete

$$1/2 \quad * \quad (\quad 0.075 \quad + \quad 0.044 \quad) \quad * \quad 1.550 \\ * \quad 3.580 \quad * \quad 2 \quad * \quad 2 \quad = \quad 1.321 \text{ ''}$$

Pedestal Frame Subtraction

$$- \quad 3.8 \quad / \quad 7.850 \quad * \quad 2 \quad = \quad -0.968 \text{ ''}$$

$$\Sigma V \quad = \quad 5.281 \text{ m3}$$

* Pivot Bearing

$$\text{Box-out} \quad 4.410 \quad * \quad 4.000 \quad * \quad 0.427 \quad = \quad 7.532 \text{ m3}$$

Grade Concrete

$$1/2 \quad * \quad (\quad 0.075 \quad + \quad 0.035 \quad) \quad * \quad 2.000 \\ * \quad 4.410 \quad * \quad 2 \quad = \quad 0.970 \text{ ''}$$

Pedestal Frame Subtraction

$$- \quad 9.8 \quad / \quad 7.850 \quad = \quad -1.248 \text{ ''}$$

$$\Sigma V \quad = \quad 7.254 \text{ m3}$$

$$\text{Mortal} \quad \text{Total} \quad = \quad 12.535 \text{ m3}$$

(2) Non-shrinkage Mortar

* Pin Roller Bearing

Box-out	3.580	*	3.100	*	0.038	*	2		=	0.843 m3
	(3.100	*	2.800	-	2.100	*	1.800)		
						*	0.070	*	2	= 0.686 "
								Σ V	=	1.529 m3

* Pivot Bearing

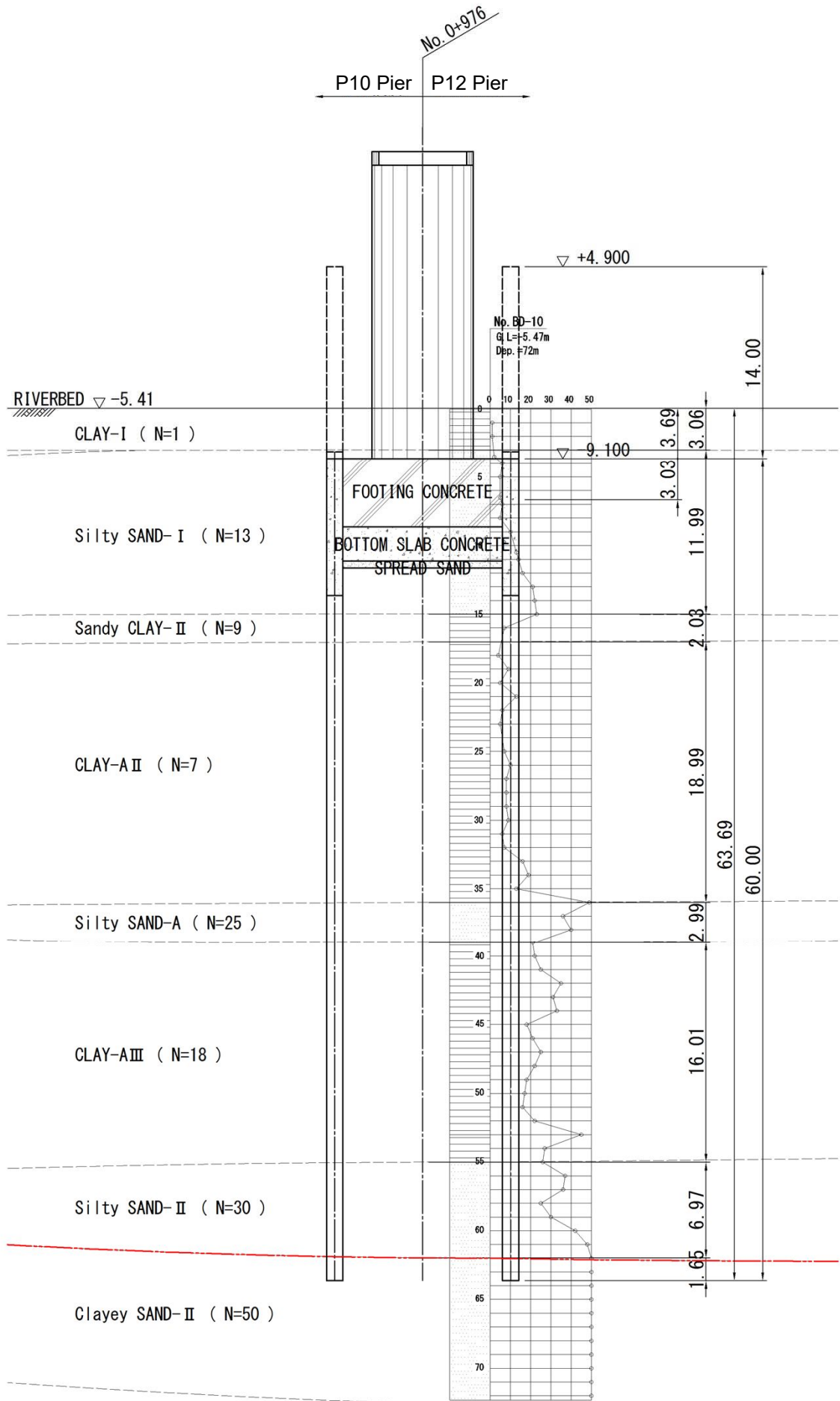
Box-out	4.410	*	4.000	*	0.033			=	0.582 m3		
	(3.700	*	3.700	-	2.700	*	2.700)	*	0.110	= 0.704 "
								Σ V	=	1.286 m3	

	Non-shrinkage Mortar	Total	=	2.815 m3
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(3) Box-out Formwork

A1 =	2 *	(3.100	+	2.800	+	2.100	+	1.800) *	0.070	=	1.372 m2
A2 =		3.100	*	2.800	-	2.100	*	1.800			=	4.900 "
A3 =	2 *	(3.700	+	3.700	+	2.700	+	2.700	) *	0.110	=	2.816 "
A4 =		3.700	*	3.700	-	2.700	*	2.700			=	6.400 "
A5 =	2 *	(3.100	+	2.800	+	2.100	+	1.800	) *	0.070	=	1.372 "
A6 =		3.100	*	2.800	-	2.100	*	1.800			=	4.900 "
								Σ A	=	21.760 m2		

3.7 Foundation



1. Ruler

Guide frame : 0.350 m (H-350 × 350 × 12 × 19)
 Weight : 135.0 kg/m

Well Outside : 14.131 m (Longitudinal)
 Well Outside : 22.818 m (Transverse)
 Steel Pipe Well : 1.200 m
 Mounting space : 0.030 m

Guide frame(Outside)

$$\begin{aligned} L1 &= (14.131 + 0.030 + 0.350) \times \pi & = & 45.588 \text{ m} \\ L2 &= (22.818 - 14.131) \times 2 & = & 17.374 \text{ m} \\ & & \text{Total} & = 62.962 \text{ m} \end{aligned}$$

$$W1 = 62.962 \times 135.0 = 8.500 \text{ t}$$

Guide frame(Inside)

$$\begin{aligned} L1 &= (14.131 - 1.200 \times 2 - 0.030 - 0.350) \times \pi & = & 35.660 \text{ m} \\ L2 &= (22.818 - 14.131) \times 2 & = & 17.374 \text{ m} \\ & & \text{Total} & = 53.034 \text{ m} \end{aligned}$$

$$W2 = 53.034 \times 135.0 = 7.160 \text{ t}$$

Guide frame(Diaphragm Wall)

$$L1 = (14.131 - 1.200 \times 2 - 0.030 - 0.350 \times 2) \times 2 = 22.002 \text{ m}$$

$$W3 = 22.002 \times 135.0 = 2.970 \text{ t}$$

Total

$$W = W1 + W2 + W3 = 8.500 + 7.160 + 2.970 = 18.630 \text{ t}$$

Guide frame : 0.300 m (H-300 × 300 × 10 × 15)
 Weight : 93.0 kg/m
 Guide pile : 20.000 m

Guide frame

$$\begin{aligned} n1 &= 28 \text{ Nos.} \\ W1 &= 28 \times 20.000 \times 93.0 = 52.080 \text{ t} \end{aligned}$$

2. Excavation inside

Steel Pipe Well : 1.200 m
 Steel Pipe Well Area : 1.131 m²
 Steel Pipe Well Number : 40 Nos. (Outside Wall)
 Ground level : -5.410 m
 Footing Top : -9.100 m
 Footing : 5.000 m

$$\begin{aligned} \text{Excavation inside} &= 1.131 \times (-5.410 - -9.100 + 5.000 \times 2) \times 40 \\ &= 619.3 \text{ m}^3 \end{aligned}$$

3. Concrete Filling

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Filled Concrete Thickness : 10.000 m
Steel Pipe Well Number : 40 Nos. (Outside Wall)

$$\text{Concrete Filling} = 1.131 \times 10.000 \times 40 = 452.4 \text{ m}^3$$

$$\text{Consumption} = 452.4 \times (1 + K) = 470.5 \text{ m}^3$$

(K: Correction Factor= 0.04)

4. Cleaning Inside Joint Pipe

Ground level : -5.410 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 74.000 m
Steel Pipe Well Bottom : -69.100 m
Nothing Inside Joint Pipe : 1.700 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 49 Nos. (Outside Wall + Diaphragm Wall)

$$\text{Cleaning Inside Joint Pipe Length} = (-5.410 - -69.100 - 1.700) \times 49 = 3037.5 \text{ m}$$

5. Mortar filling inside joint pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 74.000 m
Steel Pipe Well Bottom : -69.100 m
Nothing Inside Joint Pipe : 1.700 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 49 Nos. (Outline + Diaphragm Wall)
Inside Joint Pipe Area : 0.025 m² (ϕ 165.2*t11)

$$\text{Mortar Length} = (-9.100 - -69.100 - 1.700) \times 49 = 2856.7 \text{ m}$$

$$\text{Mortar Quantity} = 2856.7 \times 0.025 = 71.4 \text{ m}^3$$

$$\text{Consumption} = 71.4 \times (1 + K) = 75.0 \text{ m}^3$$

(K: Correction Factor= 0.05)

6. Sealing Inside Joint Pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Nothing Inside Joint Pipe : 0.300 m (Steel Pipe Well Top)
Steel Pipe Well Number : 40 Nos. (Outside Wall)

$$\text{Sealing Length} = (4.900 - -9.100 - 0.300) \times 40 = 548.0 \text{ m}$$

$$\text{Sealing Quantity} = 548.0 \times 0.025 = 13.7 \text{ m}^3$$

$$\text{Consumption} = 13.7 \times (1 + K) = 15.6 \text{ m}^3$$

(K: Correction Factor= 0.14)

$$\text{Sealing Bag} = 548.0 \times 2 = 1096.0 \text{ m}$$

7. Excavation Inside the Well

(1) Excavation

Well Outside	:	14.131 m	(Longitudinal)
Well Outside	:	22.818 m	(Transverse)
Steel Pipe Well	:	1.200 m	
Steel Pipe Well Area	:	1.131 m ²	
Steel Pipe Well Number	:	40 Nos.	(Outside Wall)
	:	8 Nos.	(Diaphragm Wall)

$$\begin{aligned} \text{Steel Pile Well Area} &= \left(14.131 - 1.200 \right)^2 \times \frac{\pi}{4} \\ &+ \left(22.818 - 14.131 \right) \times \left(14.131 - 1.200 \right) \\ &- 1.131 \times 40 \quad \bigg/ \quad 2 \\ &= 221.0 \text{ m}^2 \end{aligned}$$

$$\text{Diaphragm Wall Area} = 1.131 \times 8 = 9.0 \text{ m}^2$$

$$\begin{aligned} \text{Steel Pile Well Area} &= 221.0 - 9.0 \\ \text{(Subtraction of Diaphragm Wall)} &= 212.0 \end{aligned}$$

Ground level	:	-5.410 m
Footing Top	:	-9.100 m
Footing	:	5.000 m
Bottom Slab Thickness	:	2.500 m
Spread sand	:	0.500 m

$$\begin{aligned} \text{Excavation Inside the Well} &= 212.0 \times \left(-5.410 - -9.100 + 5.000 \right) \\ &+ 212.0 \times \left(2.500 + 0.500 \right) \\ &= 2556.5 \text{ m}^3 \end{aligned}$$

(2) Backfill Inside the Well

Pier	:	7.500 m	(Longitudinal)
	:	12.000 m	(Transverse)

$$\begin{aligned} \text{Pier Area} &= \left(7.500 \right)^2 \times \frac{\pi}{4} + \left(12.000 - 7.500 \right) \times 7.500 \\ &= 77.9 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Inside the Well Area} &= \left(14.131 \right)^2 \times \frac{\pi}{4} + \left(22.818 - 14.131 \right) \times 14.131 \\ &= 279.6 \text{ m}^2 \end{aligned}$$

$$\text{Backfill} = \left(279.6 - 77.9 \right) \times \left(-5.410 - -9.100 \right) = 744.3 \text{ m}^3$$

(3) Surplus soil

$$\text{Surplus soil} = 2556.5 - 744.3 = 1812.2 \text{ m}^3$$

8. Footing concrete

Steel Pile Well Area	:	221.0 m ²
Footing	:	5.000 m

$$\text{Footing Concrete} = 221.0 \times 5.000 = 1105.0 \text{ m}^3$$

9. Bottom Slab

Steel Pipe Well Area : 212.0 m² (Subtraction of Diaphragm Wall)
Bottom Slab Thickness : 2.500 m

Bottom Slab Concrete = 212.0 × 2.500 = 530.0 m³

Consumption = 530.0 × (1 + K) = 577.7 m³
(K : Correction Factor = 0.09)

10. Spread Sand

Steel Pipe Well Area : 212.0 m² (Subtraction of Diaphragm Wall)
Spread sand : 0.500 m

Spread Sand = 212.0 × 0.500 = 106.0 m³

11. Welding of the dowel

Steel Pipe Well Number : 40 Nos. (Outside Wall)
Moment Re-bar : 10 Stage
Shearforce Re-bar : 28 Stage

Welding of the dowel = 40 × (10 + 28)
= 1520 Stage

12. Pile Head

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Steel Pipe Well Number : 8 Nos. (Diaphragm Wall)
Filled Concrete Thickness : 1.600 m (Subtraction of imbedding) : 1.500 m
Ground level : -5.410 m
Footing Bottom : -14.100 m

Excavation inside = 1.131 × (-5.410 - -14.100 + 1.500) × 8
= 92.2 m³

Concrete Filling = 1.131 × 1.500 × 8
= 13.6 m³

13. Cut-off the pipe

Steel Pipe Well Number : 40 Nos. (Outside Wall)
8 Nos. (Diaphragm Wall)

Steel Pipe Well Top : 4.900 m
Cut-off Position : -8.600 m (50cm upper from Footing Top)
: -14.000 m (10cm lower from Footing Bottom)

Cut-off Length = 4.900 - -8.600 = 13.500 m (Outside Wall)
= 4.900 - -14.000 = 18.900 m (Diaphragm Wall)

14. Quantity Table

(1) Steel Pipe Well

Type: A,C,E

20 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	7.5 m	3.068	1	3.068 t
	SKY490	φ 1200 t= 16	0.467	29.0 m	13.543	1	13.543 t
	SKY400	φ 1200 t= 14	0.409	2.0 m	0.818	1	0.818 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	35.5 m	14.520	1	14.520 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	37.9 m	1.584	2	6.018 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	33.5 m	1.400	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type: B,D

18 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	7.5 m	3.068	1	3.068 t
	SKY490	φ 1200 t= 16	0.467	29.0 m	13.543	1	13.543 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	34.5 m	14.111	1	14.111 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	38.9 m	1.626	2	6.020 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	32.5 m	1.359	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type: F

2 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	7.5 m	3.068	1	3.068 t
	SKY490	φ 1200 t= 16	0.467	29.0 m	13.543	1	13.543 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	34.5 m	14.111	1	14.111 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	3 Piece
Precut				3 Point		1	3 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	38.9 m	1.626	3	9.030 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	32.5 m	1.359	3	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	3	

Type:G

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	40.5 m	16.565	1	16.565 t
Bottom Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	33.5 m	13.702	1	13.702 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	ϕ 165.2 t= 11	0.0418	39.9 m	1.668	2	6.020 t
Bottom Interlocking	STK400	ϕ 165.2 t= 11	0.0418	31.5 m	1.317	2	
In-situ Attached Interlocking	STK400	ϕ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type:H

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	41.5 m	16.974	1	16.974 t
Bottom Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	32.5 m	13.293	1	13.293 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	ϕ 165.2 t= 11	0.0418	40.9 m	1.710	2	6.020 t
Bottom Interlocking	STK400	ϕ 165.2 t= 11	0.0418	30.5 m	1.275	2	
In-situ Attached Interlocking	STK400	ϕ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Total	ϕ 1200 t= 14mm (SKY400)	978.376 t
	ϕ 1200 t= 16mm (SKY490)	541.720 t
	ϕ 165.2 t= 11mm (STK400)	294.940 t
	Reinforcement Band (SS400)	3.840 t
	Members for Perimeter Field Welding (t14) (SS400)	0.576 t
	Stopper (SS400)	384 Piece
	Sling① (SM490A)	0.000 t
	Sling② (SM490A)	2.496 t
	Interlocking Toe (SS400)	98 Piece
	Precut	98 Point
	In-situ Attached Interlocking	98 Point

(2) Connection between steel pipe sheet pile and footing

Type	Steel	Length (m)	Num	Unit Weight	Mass(kg)	Memo
Moment Re-bar						
P1	D22	1.000	800	3.04	2,432	SD345
P2	D22	1.000	800	3.04	2,432	SD345
Shear Force Re-bar						
P3	D22	0.700	2240	3.04	4,771	SD345
P4	D22	0.700	2240	3.04	4,771	SD345
Total					14,406	kg

(3) Pile head

Type	Specification	Length (m)	Num	Unit Weight	Mass(kg)	Remark	Memo
Filled Re-bar							
	D32	3.110	96	6.23	1,860	SD345	
Tie hoop							
	D13	4.490	72	0.995	322	SD345	
Erection bar							
	D13	3.640	40	0.995	145	SD345	
Subtotal					2,327	kg	
Shear Connector							
	PL-32 × 16	3.597	16	4.02	231	SS400	
Stopper							
	PL-25 × 9	0.050	48	1.77	4	SS400	
Subtotal					235	kg	
Total					2,562	kg	

(4) Others

Type	Specification	Length (m)	Num	Unit Weight	Mass(kg)	Remark	Memo
Concrete							
	Concrete filling			(m ³)	470.5	$\sigma_{ck}=18\text{N/mm}^2$	
	Concrete filling(Pile head)			(m ³)	13.6	$\sigma_{ck}=24\text{N/mm}^2$	
	Footing concrete			(m ³)	1,105.0	$\sigma_{ck}=24\text{N/mm}^2$	
	Bottom slab concrete			(m ³)	577.7	$\sigma_{ck}=21\text{N/mm}^2$	
	Spread sand			(m ³)	106.0		
Mortar filling inside							
	Mortar filling inside joint pipe			(m ³)	73.5	$\sigma_{ck}=21\text{N/mm}^2$	
	Sealing inside joint pipe			(m ³)	15.6	$\sigma_{ck}=0.2\text{N/mm}^2$	
	Sealing bag			(m)	1,096.0		
Excavation							
	Excavation inside the well			(m ³)	2,556.5		3268.0
	Excavation inside			(m ³)	619.3		
	Excavation inside (Pile head)			(m ³)	92.2		
	Cleaning inside joint pipe			(m)	2,975.5		
	Backfill inside the well			(m ³)	744.3		744.3
	Surplus soil (waste soil)			(m ³)	1812.2		2523.7

(5) Footing Re-bar

Type	Item	Specification	Division	Unit	Quantity	Remark	
Footing Re-bar	Mass	SD345	D 13	kg	—		
			D16~D25	D 16	"	6,891	
				D 19	"	—	
				D 22	"	4,205	
				D 25	"	—	
				Total	"	11,096	
			D29~D32	D 29	"	—	
				D 32	"	—	
				Total	"	—	
			D 35	"	—		
			D 38	"	31,452		
	D 51	"	84,529				
	Total	"	127,077				
	Mechanical splice	SD345	D 35	Point	—		
			D 38	"	174		
			D 51	"	322		
			Total	"	496		

15. Weighted Average N-value

Soil Coefficient : 1.00

Stratum	Formation (m)	N-value	Thickness (m)	L × N
Current Ground Level	-5.410	-		
CLAY- I	-8.47	1	3.06	3.06
Silta Sand- I	-20.46	13	11.99	155.87
Sandy CLAY- II	-22.49	9	2.03	18.27
CLAY-A II	-41.48	7	18.99	132.93
Clayey SAND-A	-44.47	25	2.99	74.75
CLAY-AIII	-60.48	18	16.01	288.18
Silta Sand- II	-67.45	30	6.97	209.10
Clayey SAND- II	-69.10	50	1.65	82.50
Total		15.1	63.69	964.66

4. P12 Pier

4. P12 PIER

4.1 Quantity summary table

【 P12 PIER Quantity Summary Table (1/4) 】

Work Item	Item		Specification	Division	Unit	Quantity	Supporting
Concrete	Pier	Primary Construction	$\sigma_{ck}=30\text{N/mm}^2$		m ³	1,801.1	
Formwork	Pier	Primary Construction	Normal Form	H ≤ 30m	m ²	268.3	
			Circular Formwork		"	514.8	
Bearing	Bearing Mortar		Mortal		m ³	12.535	Superstructure construction
			Non-shrinkage Mortar		m ³	2.815	Superstructure construction
	Form for void for Anchor Bolt		Cylindrical Form		m	—	
	Box-out Formwork		Box-out Formwork		m ²	21.8	
Re-bar	Weight		SD345	D 13	kg	—	
				D16 ~ D25	"	77,588	
				D29 ~ D32	"	6,604	
				D 35	"	—	
				D 38	"	—	
				D 51	"	88,337	
				Total	"	172,529	
	Mechanical Splice		SD345	D 35	Point	—	
				D 38	"	—	
				D 51	"	412	
Total				"	412		

【 P12 PIER Quantity Summary Table (2/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting		
Steel Pipe Sheet Pile Foundation	Steel pipe well	Steel pipe length(ϕ 1200mm)		m/Nos.	65.5			
		Pile number		Nos.	40	Outside Steel Pipe Well		
				"	8	Diaphragm Steel Sheet Pipe Wall		
		Total		"	48			
		Pile extension		m	3,144.0			
		Embedded depth		m	52.6	Soil Coefficient=1.00		
		Number (Type A·C·E)	Steel pipe Mass	ϕ 1200	t=14mm	t	14.929	SKY400
					t=16mm	"	13.543	SKY490
				ϕ 165.2	t=11mm	"	5.308	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
			Precut		"	2		
		Number (Type B·D)	Steel pipe Mass	ϕ 1200	t=14mm	t	14.929	SKY400
					t=16mm	"	13.543	SKY490
				ϕ 165.2	t=11mm	"	5.308	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
In-situ Attached Interlocking				Point	2	STK400		
Precut			"	2				
Number (Type F)	Steel pipe Mass	ϕ 1200	t=14mm	t	14.929	SKY400		
			t=16mm	"	13.543	SKY490		
		ϕ 165.2	t=11mm	"	7.962	STK400		
	Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400		
		Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400		
			PL t=16mm	"	—	SS400		
		Sling	PL t=22mm	"	0.052	SM490A		
		InterLocking Toe	PL t=12mm	Piece	3	SS400		
		In-situ Attached Interlocking		Point	3	STK400		
	Precut		"	3				

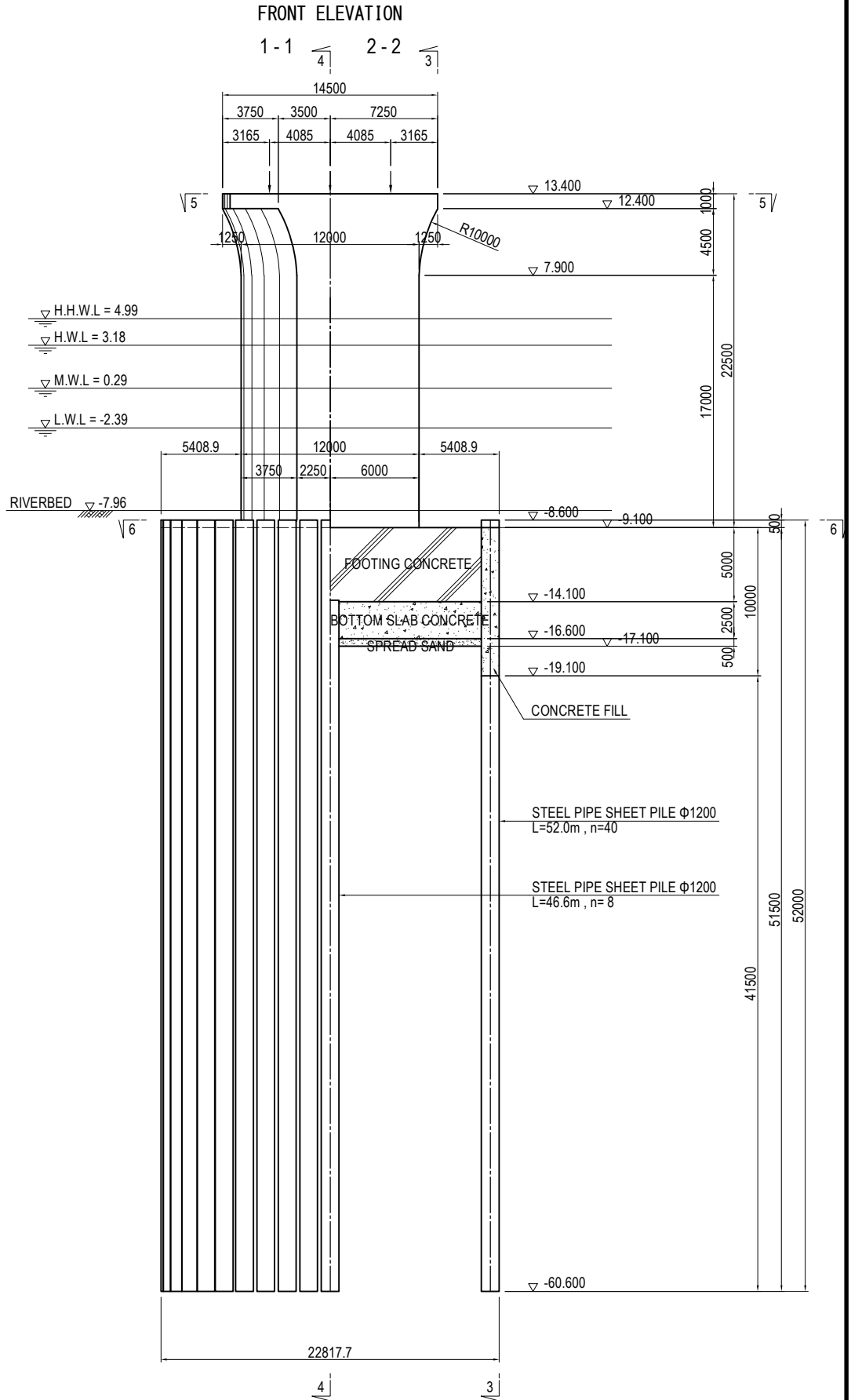
【 P12 PIER Quantity Summary Table (3/4) 】

Work Item	Item	Division			Unit	Quantity	Supporting	
Steel Pipe Sheet Pile Foundation	Steel pipe well	Number (Type G)	Steel pipe Mass	φ 1200	t=14mm	t	26.790	SKY400
					t=16mm	"	—	SKY490
				φ 165.2	t=11mm	"	5.308	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		Number (Type H)	Steel pipe Mass	φ 1200	t=14mm	t	26.790	SKY400
					t=16mm	"	—	SKY490
				φ 165.2	t=11mm	"	5.310	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		Total Number	Steel pipe Mass	φ 1200	t=14mm	t	811.480	SKY400
					t=16mm	"	541.720	SKY490
				φ 165.2	t=11mm	"	260.100	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	3.840	SS400
	Members for Perimeter Field Welding (Backing Ring Stopper)			PL t=14mm	"	0.576	SS400	
				PL t=16mm	"	—	SS400	
	Sling			PL t=22mm	"	2.496	SM490A	
	InterLocking Toe			PL t=12mm	Piece	98	SS400	
	In-situ Attached Interlocking				Point	98	STK400	
	Precut			"	98			
	Excavation inside			m3	504.0			
		Pile head		"	69.1			
	Concrete filling	Fill concrete	σ ck=18N/mm2	m3	470.5	Correction Factor=0.04		
Pile head		σ ck=24N/mm2	"	13.6				
Cleaning inside joint pipe			m	2,496.1				
Mortar filling inside joint pipe	σ ck=21N/mm2	Mortar length	m	2,440.2	Mortar=2.5m3/100m			
		Mortar quantity	m3	64.1	Correction factor=0.05			
Inside Joint Pipe Sealing	σ ck=0.2N/mm2	InterLocking Sealing Length	m	548.0	Mortar=2.5m3/100m			
		InterLocking Sealing	m3	15.6	Correction factor=0.14			
		Sealing	m	1,096.0	Per 100m Joint=200.0			

【 P12 PIER Quantity Summary Table (4/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting	
S t e e l P i p e S h e e t P i l e F u n d a t i o n	Excavation Inside the Well			m3	1,992.9		
	Backfill inside the well			m3	229.9		
	Surplus soil			m3	1,763.0		
	Footing concrete	$\sigma_{ck}=24\text{N/mm}^2$		m3	1,105.0		
	Bottom slab concrete	$\sigma_{ck}=21\text{N/mm}^2$		m3	577.7	Correction Factor=0.09	
	Spread sand			m3	106.0		
	Pile head Connection	Shear Connector	PL-32 × 16 × 3597		kg	231	
		Stopper	PL-25 × 9 × 50		"	4	
	Pile head Rebar	Mass	SD345	D 13	kg	467	
				D16 ~ D25	"	—	
				D29 ~ D32	"	1,860	
				合 計	"	2,327	
	Footing Re-bar	Mass	SD345	D 13	kg	—	
				D16 ~ D25	"	11,096	
				D29 ~ D32	"	—	
				D 35	"	—	
				D 38	"	31,452	
				D 51	"	84,529	
				合 計	"	127,077	
		Mechanical Splice	SD345	D 35	Point	—	
				D 38	"	174	
				D 51	"	322	
	合 計			"	496		
Welding of the dowel	Welding of the dowel stage		Stage	1,520			
	Welding of the dowel Mass		kg	14,406			
Cut-off the Pipe	$\phi 1200$		Nos.	48			

4.2 Structure

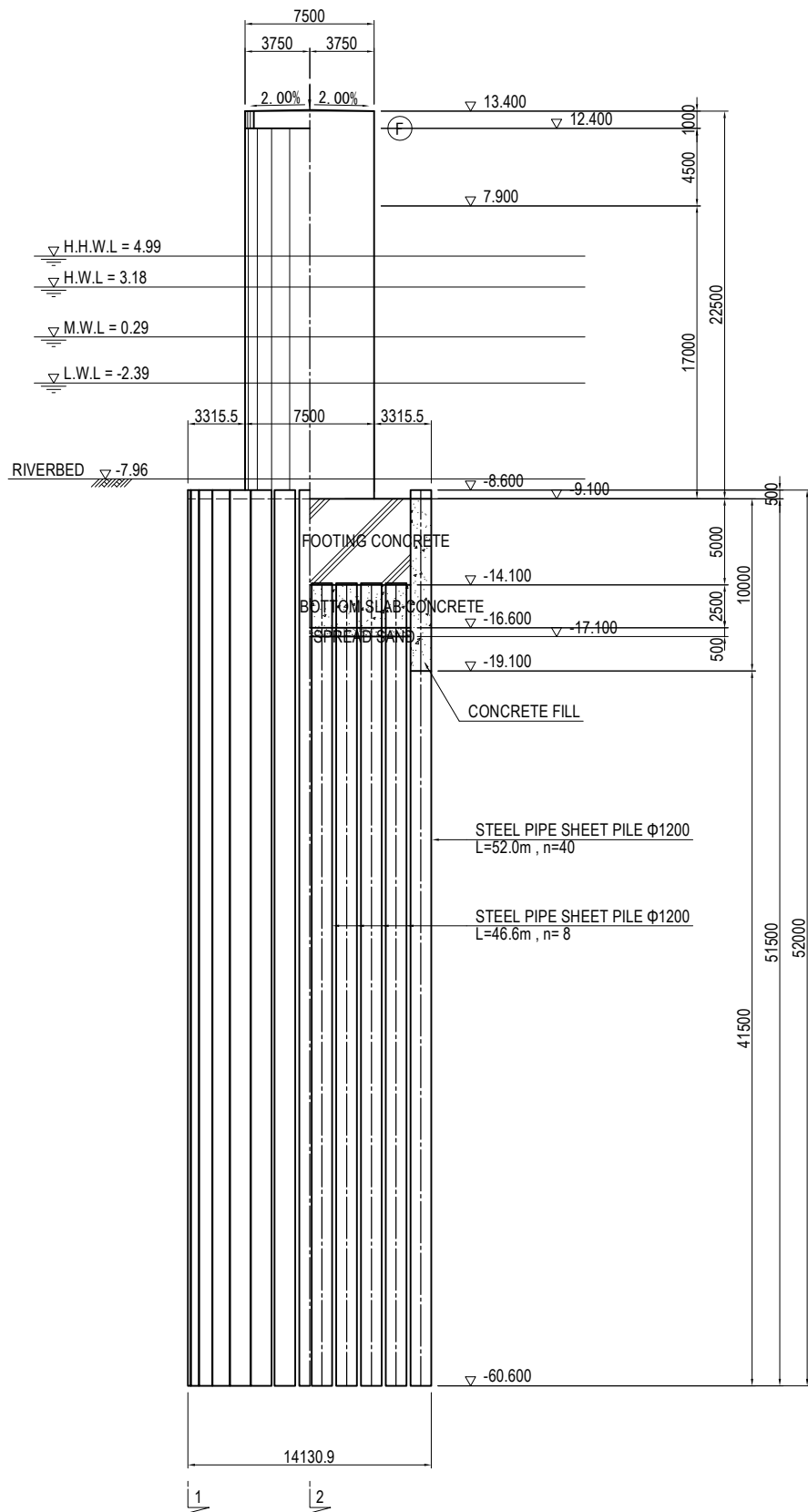


SIDE ELEVATION

3 - 3

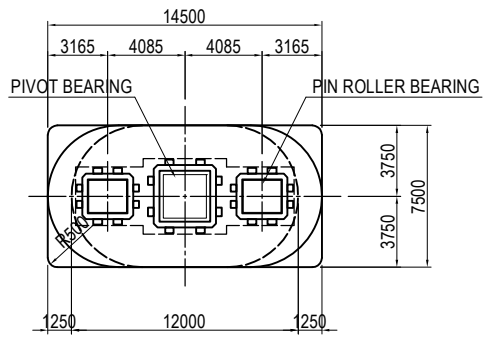
4 - 4

STA. 1+200



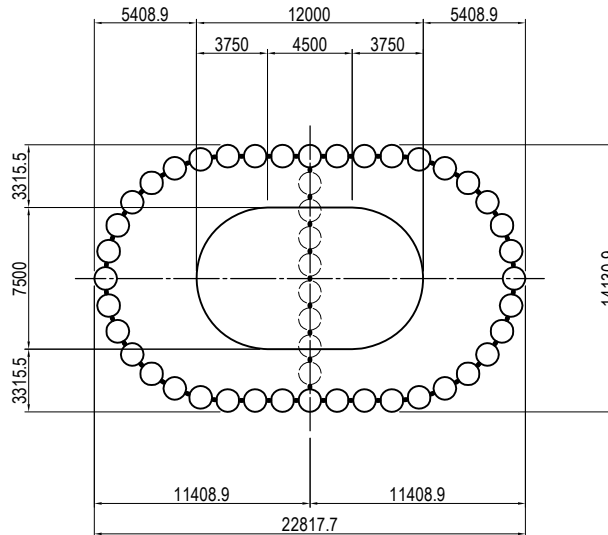
PLAN

5 - 5



PLAN

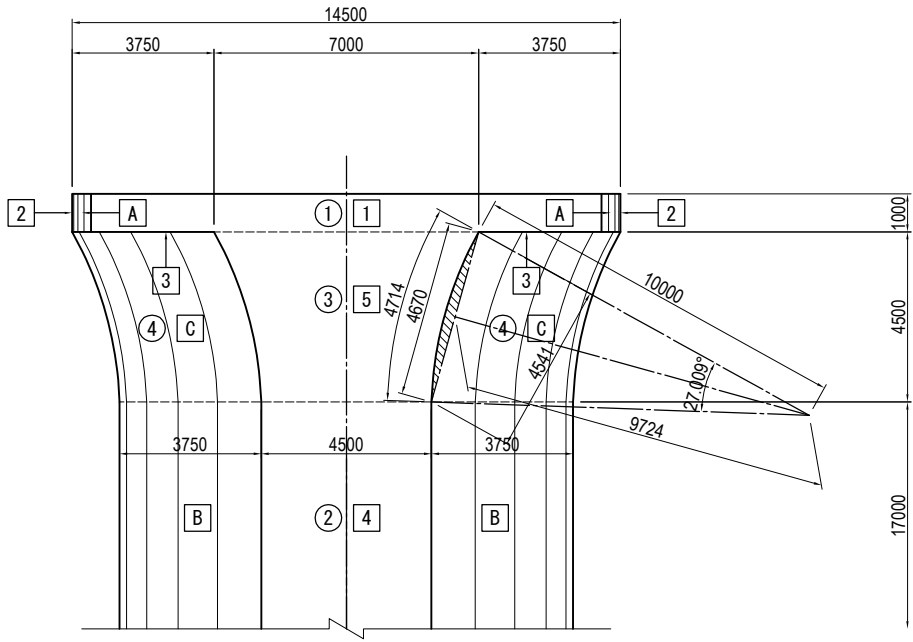
6 - 6



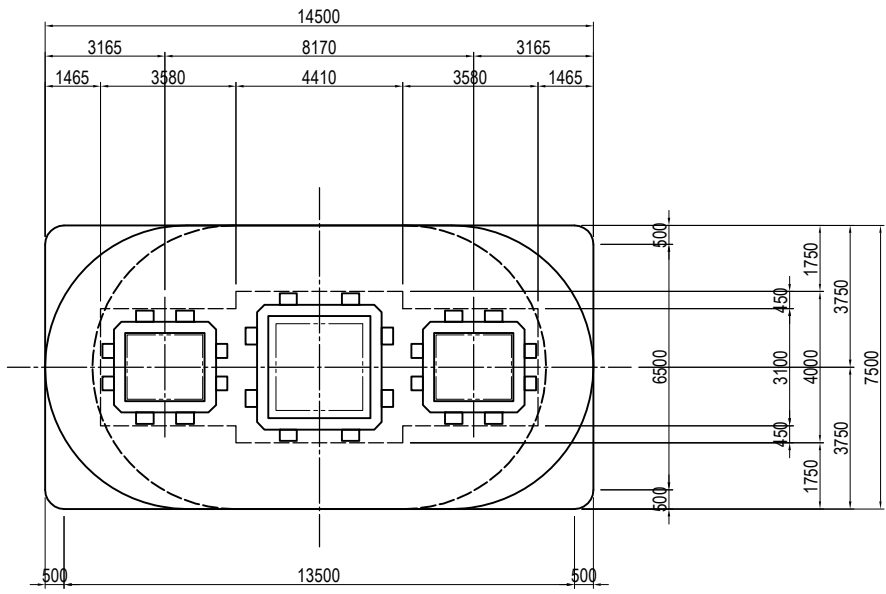
USE MATERIALS

	CONCRETE	BAR
BEAM+PILLAR	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

SIDE ELEVATION

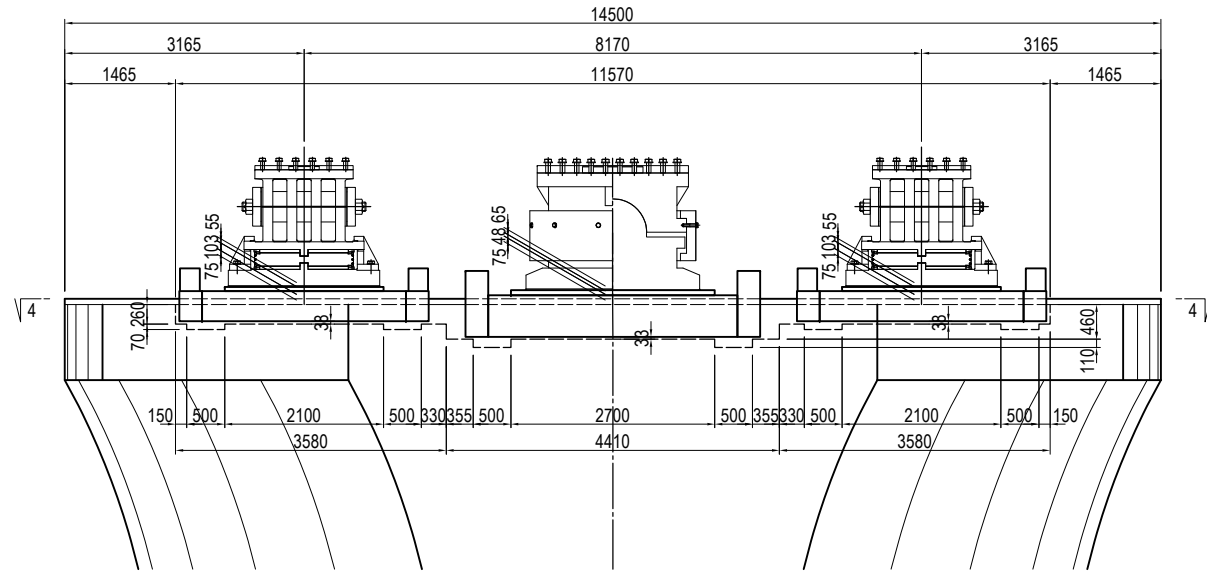


PLAN



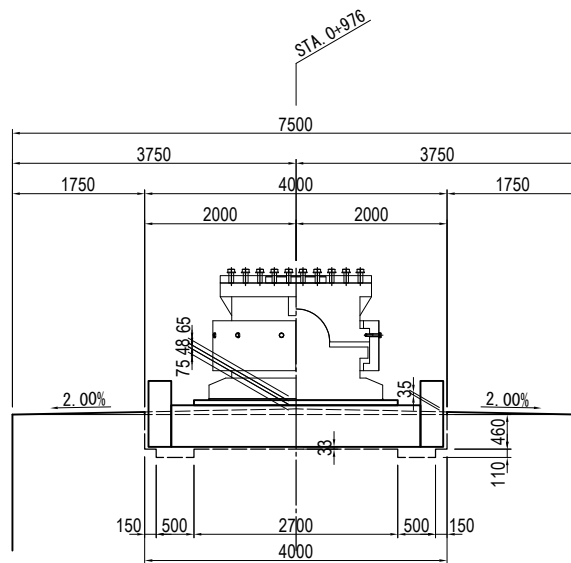
DETAIL OF BEARING AND ANCHOR
FRONT ELEVATION

1 - 1

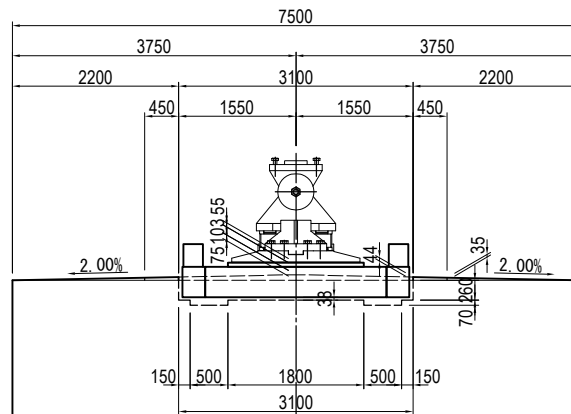


SIDE ELEVATION

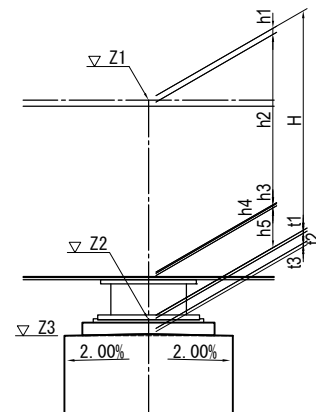
2 - 2



3 - 3



		P12 PIER		
		SL2	CL	SR2
PROPOSED HEIGHT	Z1	17.948	18.030	17.948
PAVEMENT	h1	0.080	0.080	0.080
GIRDER	h2	2.618	2.700	2.618
BOTTOM FLANGE	h3	0.015	0.015	0.015
SOLE PLATE	h4	0.052	0.097	0.052
BEARING	h5	1.550	1.550	1.550
SUBTOTAL	H	4.315	4.442	4.315
ELEVATION OF BEARING BOTTOM	Z2	13.633	13.588	13.633
MORTAR	t1	0.055	0.065	0.055
BEARING BASE	t2	0.103	0.048	0.103
DRAINAGE INCLINE	t3	0.075	0.075	0.075
ELEVATION OF PIER TOP	Z3	13.400	13.400	13.400



4.3 Concrete

(1) Pier ($\sigma_{ck} = 30\text{N/mm}^2$)

1) Top Beam

①	14.500	*	7.500	*	1.000		=	108.750 m ³
Grade Concrete								
	1/2	*	3.750	*	0.075	*	14.500	* 2 = 4.078 "
Beam corner cut off								
	- (	1.000	*	1.000	-	$\pi/4$	*	1.000
							*	1.000) * 1.000 = -0.215 "
Subtraction of Box-out								
	-	3.580	*	3.100	*	0.260	*	2 = -5.771 "
	-	4.410	*	4.000	*	0.460		= -8.114 "
	-	1/2	*	(0.075	+	0.044	) * 1.550	
				*	3.580	*	2 * 2 = -1.321 "	
	-	1/2	*	(0.075	+	0.035	) * 2.000	
				*	4.410	*	2 = -0.970 "	
								Top Beam Total = 96.437 m ³

2) Beam and Pier Column

【Cross Section】

$$A = \pi/4 * 7.500 * 7.500 + 4.500 * 7.500 = 77.929 \text{ m}^2$$

【 Volume of Concrete】

②	77.929	*	17.000		=	1,324.793 m ³
③	1/2	*	(4.500	+	7.000	) * 4.500 * 7.500 = 194.063 "
④	$\pi/4$	*	7.500	*	7.500	* 4.500 = 198.804 "

Subtraction of circular arc parts

$$- \left(\pi * 10.000 * 10.000 * \frac{27.009}{360} - \frac{1}{2} * 4.670 * 9.724 \right) * 7.500 * 2 = -12.964 "$$

$$\text{Beam and Pier Column Total} = 1,704.696 \text{ m}^3$$

$$\text{Pier Total} = 1,801.133 \text{ m}^3$$

4.4 Formwork

(1) Pier

【 Formwork Type 】 Normal Form
 【 Structure Type 】 Reinforced and Non-reinforced Structure
 【 Height Division 】 [Average Height] $H \leq 30m$

1) Top Beam

1	13.500	*	1.000	*	2			=	27.000 m ²
2	6.500	*	1.000	*	2			=	13.000 "
3	(7.500	*	7.500	-	$\pi/4$	*	7.500	*	7.500)
	- (1.000	*	1.000	-	$\pi/4$	*	1.000	*	1.000)
								=	11.857 "

Grade Concrete

1/2 *	3.750	*	0.075	*	2	*	2	=	0.563 "
1/2 *	(0.075	+	0.044	) *	1.550	*	2	*	2
								=	0.369 "
1/2 *	(0.044	+	0.035	) *	0.450	*	4	=	0.071 "
	0.044	*	3.580	*	2	*	2	=	0.630 "
	0.035	*	4.410	*	2			=	0.309 "

Box-out

(3.100	+	3.580	*	2	) *	0.260	*	2	=	5.335 "
(4.410	+	0.450	*	2	) *	0.460	*	2	=	4.885 "
3.100	*	0.200	*	2				=	1.240 "	

Top Beam Total = 65.259 m²

2) Beam and Pier Column

$$\boxed{4} \quad 4.500 * 17.000 * 2 = 153.000 \text{ m}^2$$

$$\boxed{5} \quad 1/2 * (4.500 + 7.000) * 4.500 * 2 = 51.750 \text{ ''}$$

Subtraction of circular arc parts

$$- \left(\pi * 10.000 * 10.000 * \frac{27.009}{360} - \frac{1}{2} * 4.670 * 9.724 \right) * 2 = -1.729 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 203.021 \text{ m}^2$$

$$\text{Normal Form Total} = 268.280 \text{ m}^2$$

【 Structure Type 】 Reinforced and Non-reinforced Structure(Plywood Circular Formwork Usage)

1) Top Beam

$$\boxed{A} \quad \pi * 1.000 * 1.000 = 3.142 \text{ m}^2$$

2) Beam and Pier Column

$$\boxed{B} \quad \pi * 7.500 * 17.000 = 400.553 \text{ m}^2$$

$$\boxed{C} \quad \pi * 7.500 * 4.714 = 111.071 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 511.624 \text{ m}^2$$

$$\text{Circular Formwork Total} = 514.766 \text{ m}^2$$

4.5 Re-bar

Work Item	Item	Specification	Division	Unit	Quantity	Supporting	
Re-bar	Weight	SD345	D 13	kg	—		
			D16~D25	D 16	"	4,775	
				D 19	"	—	
				D 22	"	72,813	
				D 25	"	—	
				Total	"	77,588	
				D29~D32	D 29	"	—
			D 32		"	6,604	
			Total		"	6,604	
			D 35	"	—		
			D 38	"	—		
			D 51	"	88,337		
			Total	"	172,529		
			Mechanical splice	SD345	D 35	Point	—
	D 38	"			—		
	D 51	"			412		
	Total	"			412		

4.6 Bearing

(1) Mortar

* Pin Roller Bearing

$$\text{Box-out} \quad 3.580 \quad * \quad 3.100 \quad * \quad 0.222 \quad * \quad 2 \quad = \quad 4.928 \text{ m}^3$$

Grade Concrete

$$1/2 \quad * \quad (\quad 0.075 \quad + \quad 0.044 \quad) \quad * \quad 1.550 \\ * \quad 3.580 \quad * \quad 2 \quad * \quad 2 \quad = \quad 1.321 \text{ ''}$$

Pedestal Frame Subtract

$$- \quad 3.8 \quad / \quad 7.850 \quad * \quad 2 \quad = \quad -0.968 \text{ ''}$$

$$\Sigma V \quad = \quad 5.281 \text{ m}^3$$

* Pivot Bearing

$$\text{Box-out} \quad 4.410 \quad * \quad 4.000 \quad * \quad 0.427 \quad = \quad 7.532 \text{ m}^3$$

Grade Concrete

$$1/2 \quad * \quad (\quad 0.075 \quad + \quad 0.035 \quad) \quad * \quad 2.000 \\ * \quad 4.410 \quad * \quad 2 \quad = \quad 0.970 \text{ ''}$$

Pedestal Frame Subtract

$$- \quad 9.8 \quad / \quad 7.850 \quad = \quad -1.248 \text{ ''}$$

$$\Sigma V \quad = \quad 7.254 \text{ m}^3$$

$$\text{Mortal} \quad \text{Total} \quad = \quad 12.535 \text{ m}^3$$

(2) Non-shrinkage Mortar

* Pin Roller Bearing

Box-out	3.580	*	3.100	*	0.038	*	2	=	0.843 m3		
	(3.100	*	2.800	-	2.100	*	1.800)				
		*				*	0.070	*	2	=	0.686 "
<hr/>											
								Σ V	=	1.529 m3	

* Pivot Bearing

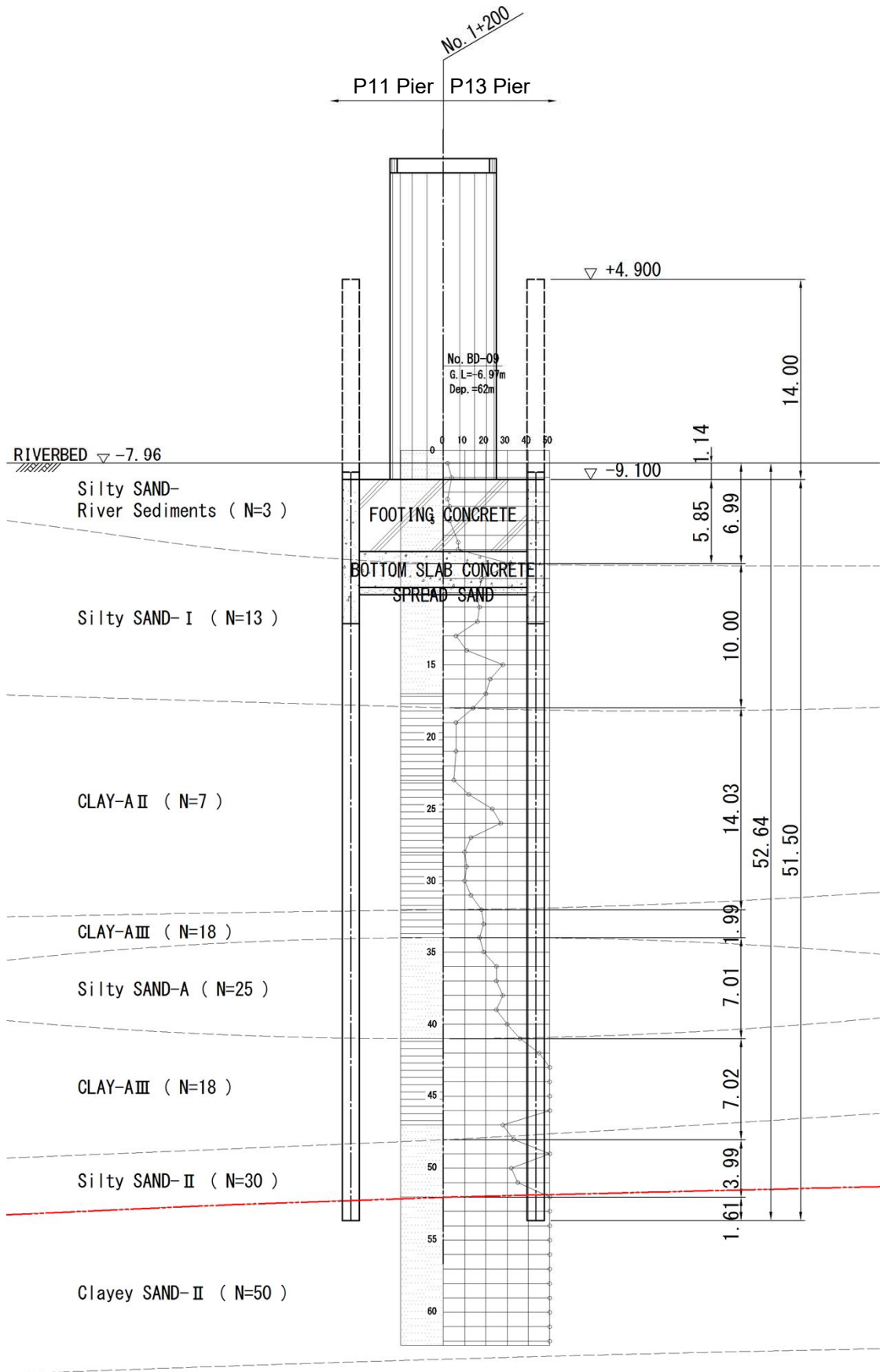
Box-out	4.410	*	4.000	*	0.033			=	0.582 m3		
	(3.700	*	3.700	-	2.700	*	2.700)	*	0.110	=	0.704 "
<hr/>											
								Σ V	=	1.286 m3	

Non-shrinkage Mortar Total = 2.815 m3

(3) Box-out Formwork

A1 =	2 * (3.100	+	2.800	+	2.100	+	1.800)	*	0.070	=	1.372 m2
A2 =	3.100	*	2.800	-	2.100	*	1.800	=	4.900 "		
A3 =	2 * (3.700	+	3.700	+	2.700	+	2.700)	*	0.110	=	2.816 "
A4 =	3.700	*	3.700	-	2.700	*	2.700	=	6.400 "		
A5 =	2 * (3.100	+	2.800	+	2.100	+	1.800)	*	0.070	=	1.372 "
A6 =	3.100	*	2.800	-	2.100	*	1.800	=	4.900 "		
<hr/>											
								Σ A	=	21.760 m2	

4.7 Foundation



1. Ruler

Guide frame : 0.350 m (H-350 × 350 × 12 × 19)
 Weight : 135.0 kg/m

Well Outside : 14.131 m (Longitudinal)
 Well Outside : 22.818 m (Transverse)
 Steel Pipe Well : 1.200 m
 Mounting space : 0.030 m

Guide frame(Outside)

$$L1 = (14.131 + 0.030 + 0.350) \times \pi = 45.588 \text{ m}$$

$$L2 = (22.818 - 14.131) \times 2 = 17.374 \text{ m}$$

$$\text{Total} = 62.962 \text{ m}$$

$$W1 = 62.962 \times 135.0 = 8.500 \text{ t}$$

Guide frame(Inside)

$$L1 = (14.131 - 1.200 \times 2 - 0.030 - 0.350) \times \pi = 35.660 \text{ m}$$

$$L2 = (22.818 - 14.131) \times 2 = 17.374 \text{ m}$$

$$\text{Total} = 53.034 \text{ m}$$

$$W2 = 53.034 \times 135.0 = 7.160 \text{ t}$$

Guide frame(Diaphragm Wall)

$$L1 = (14.131 - 1.200 \times 2 - 0.030 - 0.350 \times 2) \times 2 = 22.002 \text{ m}$$

$$W3 = 22.002 \times 135.0 = 2.970 \text{ t}$$

Total

$$W = W1 + W2 + W3 = 8.500 + 7.160 + 2.970 = 18.630 \text{ t}$$

Guide frame : 0.300 m (H-300 × 300 × 10 × 15)
 Weight : 93.0 kg/m
 Guide pile : 20.000 m

Guide frame

$$n1 = 28 \text{ Nos.}$$

$$W1 = 28 \times 20.000 \times 93.0 = 52.080 \text{ t}$$

2. Excavation inside

Steel Pipe Well : 1.200 m
 Steel Pipe Well Area : 1.131 m²
 Steel Pipe Well Number : 40 Nos. (Outside Wall)
 Ground level : -7.960 m
 Footing Top : -9.100 m
 Footing : 5.000 m

$$\text{Excavation inside} = 1.131 \times (-7.960 - -9.100 + 5.000 \times 2) \times 40$$

$$= 504.0 \text{ m}^3$$

3. Concrete Filling

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Filled Concrete Thickness : 10.000 m
Steel Pipe Well Number : 40 Nos. (Outside Wall)

$$\text{Concrete Filling} = 1.131 \times 10.000 \times 40 = 452.4 \text{ m}^3$$

$$\text{Consumption} = 452.4 \times (1 + K) = 470.5 \text{ m}^3$$

(K: Correction Factor= 0.04)

4. Cleaning Inside Joint Pipe

Ground level : -7.960 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 65.500 m
Steel Pipe Well Bottom : -60.600 m
Nothing Inside Joint Pipe : 1.700 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 49 Nos. (Outside Wall+Diaphragm Wall)

$$\text{Cleaning Inside Joint Pipe Length} = (-7.960 - -60.600 - 1.700) \times 49 = 2496.1 \text{ m}$$

5. Mortar filling inside joint pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 65.500 m
Steel Pipe Well Bottom : -60.600 m
Nothing Inside Joint Pipe : 1.700 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 49 Nos. (Outside Wall+Diaphragm Wall)
Inside Joint Pipe Area : 0.025 m² (φ 165.2*t11)

$$\text{Mortar Length} = (-9.100 - -60.600 - 1.700) \times 49 = 2440.2 \text{ m}$$

$$\text{Mortar Quantity} = 2440.2 \times 0.025 = 61.0 \text{ m}^3$$

$$\text{Consumption} = 61.0 \times (1 + K) = 64.1 \text{ m}^3$$

(K: Correction Factor= 0.05)

6. Sealing Inside Joint Pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Nothing Inside Joint Pipe : 0.300 m (Steel Pipe Well Top)
Steel Pipe Well Number : 40 Nos. (Outside Wall)

$$\text{Sealing Length} = (4.900 - -9.100 - 0.300) \times 40 = 548.0 \text{ m}$$

$$\text{Sealing Quantity} = 548.0 \times 0.025 = 13.7 \text{ m}^3$$

$$\text{Consumption} = 13.7 \times (1 + K) = 15.6 \text{ m}^3$$

(K: Correction Factor= 0.14)

$$\text{Sealing Bag} = 548.0 \times 2 = 1096.0 \text{ m}$$

7. Excavation Inside the Well

(1) Excavation

Well Outside	:	14.131 m	(Longitudinal)
Well Outside	:	22.818 m	(Transverse)
Steel Pipe Well	:	1.200 m	
Steel Pipe Well Area	:	1.131 m ²	
Steel Pipe Well Number	:	40 Nos.	(Outside Wall)
	:	8 Nos.	(Diaphragm Wall)

$$\begin{aligned} \text{Steel Pile Well Area} &= \left(14.131 - 1.200 \right)^2 \times \frac{\pi}{4} \\ &+ \left(22.818 - 14.131 \right) \times \left(14.131 - 1.200 \right) \\ &- 1.131 \times 40 \div 2 \\ &= 221.0 \text{ m}^2 \end{aligned}$$

$$\text{Diaphragm Wall Area} = 1.131 \times 8 = 9.0 \text{ m}^2$$

$$\begin{aligned} \text{Steel Pile Well Area} &= 221.0 - 9.0 \\ \text{(Subtraction of Diaphragm Wall)} &= 212.0 \end{aligned}$$

Ground level	:	-7.960 m
Footing Top	:	-9.100 m
Footing	:	5.000 m
Bottom Slab Thickness	:	2.500 m
Spread sand	:	0.500 m

$$\begin{aligned} \text{Excavation Inside the Well} &= 221.0 \times \left(-7.960 - -9.100 + 5.000 \right) \\ &+ 212.0 \times \left(2.500 + 0.500 \right) \\ &= 1992.9 \text{ m}^3 \end{aligned}$$

(2) Backfill Inside the Well

Pier	:	7.500 m	(Longitudinal)
	:	12.000 m	(Transverse)

$$\begin{aligned} \text{Pier Area} &= \left(7.500 \right)^2 \times \frac{\pi}{4} + \left(12.000 - 7.500 \right) \times 7.500 \\ &= 77.9 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Inside the Well Area} &= \left(14.131 \right)^2 \times \frac{\pi}{4} + \left(22.818 - 14.131 \right) \times 14.131 \\ &= 279.6 \text{ m}^2 \end{aligned}$$

$$\text{Backfill} = \left(279.6 - 77.9 \right) \times \left(-7.960 - -9.100 \right) = 229.9 \text{ m}^3$$

(3) Surplus soil

$$\text{Surplus soil} = 1992.9 - 229.9 = 1763.0 \text{ m}^3$$

8. Footing concrete

Steel Pile Well Area	:	221.0 m ²
Footing	:	5.000 m

$$\text{Footing Concrete} = 221.0 \times 5.000 = 1105.0 \text{ m}^3$$

9. Bottom Slab

Steel Pipe Well Area : 212.0 m² (Subtraction of Diaphragm Wall)
Bottom Slab Thickness : 2.500 m

Bottom Slab Concrete = 212.0 × 2.500 = 530.0 m³

Consumption = 530.0 × (1 + K) = 577.7 m³
(K : Correction Factor = 0.09)

10. Spread Sand

Steel Pipe Well Area : 212.0 m² (Subtraction of Diaphragm Wall)
Spread sand : 0.500 m

Spread Sand = 212.0 × 0.500 = 106.0 m³

11. Welding of the dowel

Steel Pipe Well Number : 40 Nos. (Outside Wall)
Moment Re-bar : 10 Stage
Shearforce Re-bar : 28 Stage

Welding of the dowel = 40 × (10 + 28)
= 1520 Stage

12. Pile Head

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Steel Pipe Well Number : 8 Nos. (Diaphragm Wall)
Filled Concrete Thickness : 1.600 m (Subtraction of imbedding) : 1.500 m
Ground level : -7.960 m
Footing Bottom : -14.100 m

Excavation inside = 1.131 × (-7.960 - -14.100 + 1.500) × 8
= 69.1 m³

Concrete Filling = 1.131 × 1.500 × 8
= 13.6 m³

13. Cut-off the pipe

Steel Pipe Well Number : 40 Nos. (Outside Wall)
8 Nos. (Diaphragm Wall)

Steel Pipe Well Top : 4.900 m
Cut-off Position : -8.600 m (50cm upper from Footing Top)
: -14.000 m (10cm lower from Footing Bottom)

Cut-off Length = 4.900 - -8.600 = 13.500 m (Outside Wall)
= 4.900 - -14.000 = 18.900 m (Diaphragm Wall)

14. Quantity Table

(1) Steel Pipe Well

Type: A,C,E 20 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	7.5 m	3.068	1	3.068 t
	SKY490	φ 1200 t= 16	0.467	29.0 m	13.543	1	13.543 t
	SKY400	φ 1200 t= 14	0.409	2.0 m	0.818	1	0.818 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	27.0 m	11.043	1	11.043 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	37.9 m	1.584	2	5.308 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	25.0 m	1.045	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type: B,D 18 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	7.5 m	3.068	1	3.068 t
	SKY490	φ 1200 t= 16	0.467	29.0 m	13.543	1	13.543 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	26.0 m	10.634	1	10.634 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	38.9 m	1.626	2	5.308 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	24.0 m	1.003	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type: F 2 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	7.5 m	3.068	1	3.068 t
	SKY490	φ 1200 t= 16	0.467	29.0 m	13.543	1	13.543 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	26.0 m	10.634	1	10.634 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	3 Piece
Precut				3 Point		1	3 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	38.9 m	1.626	3	7.962 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	24.0 m	1.003	3	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	3	

Type:G

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	40.5 m	16.565	1	16.565 t
Bottom Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	25.0 m	10.225	1	10.225 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	ϕ 165.2 t= 11	0.0418	39.9 m	1.668	2	5.308 t
Bottom Interlocking	STK400	ϕ 165.2 t= 11	0.0418	23.0 m	0.961	2	
In-situ Attached Interlocking	STK400	ϕ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type:H

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	41.5 m	16.974	1	16.974 t
Bottom Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	24.0 m	9.816	1	9.816 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	ϕ 165.2 t= 11	0.0418	40.9 m	1.710	2	5.310 t
Bottom Interlocking	STK400	ϕ 165.2 t= 11	0.0418	22.0 m	0.920	2	
In-situ Attached Interlocking	STK400	ϕ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Total	ϕ 1200 t= 14mm (SKY400)	811.480 t
	ϕ 1200 t= 16mm (SKY490)	541.720 t
	ϕ 165.2 t= 11mm (STK400)	260.100 t
	Reinforcement Band (SS400)	3.840 t
	Members for Perimeter Field Welding (t14) (SS400)	0.576 t
	Stopper (SS400)	384 Piece
	Sling① (SM490A)	0.000 t
	Sling② (SM490A)	2.496 t
	Interlocking Toe (SS400)	98 Piece
	Precut	98 Point
	In-situ Attached Interlocking	98 Point

(2) Connection between steel pipe sheet pile and footing

Type	Steel	Length (m)	Num	Unit Weight	Mass(kg)	Memo
Moment Re-bar						
P1	D22	1.000	800	3.04	2,432	SD345
P2	D22	1.000	800	3.04	2,432	SD345
Shear Force Re-bar						
P3	D22	0.700	2240	3.04	4,771	SD345
P4	D22	0.700	2240	3.04	4,771	SD345
Total					14,406	kg

(3) Pile head

Type	Specification	Length (m)	Num	Unit Weight	Mass(kg)	Remark	Memo
Filled Re-bar							
	D32	3.110	96	6.23	1,860	SD345	
Tie hoop							
	D13	4.490	72	0.995	322	SD345	
Erection bar							
	D13	3.640	40	0.995	145	SD345	
Subtotal					2,327	kg	
Shear Connector							
	PL-32 × 16	3.597	16	4.02	231	SS400	
Stopper							
	PL-25 × 9	0.050	48	1.77	4	SS400	
Subtotal					235	kg	
Total					2,562	kg	

(4) Others

Type	Item	Unit	Quantity	Remark	memo
Concrete					
	Concrete filling	(m ³)	470.5	$\sigma_{ck}=18\text{N/mm}^2$	
	Concrete filling(Pile head)	(m ³)	13.6	$\sigma_{ck}=24\text{N/mm}^2$	
	Footing concrete	(m ³)	1,105.0	$\sigma_{ck}=24\text{N/mm}^2$	
	Bottom slab concrete	(m ³)	577.7	$\sigma_{ck}=21\text{N/mm}^2$	
	Spread sand	(m ³)	106.0		
Mortar filling inside					
	Mortar filling inside joint pipe	(m ³)	62.8	$\sigma_{ck}=21\text{N/mm}^2$	
	Sealing inside joint pipe	(m ³)	15.6	$\sigma_{ck}=0.2\text{N/mm}^2$	
	Sealing bag	(m)	1,096.0		
Excavation					
	Excavation inside the well	(m ³)	1,992.9		2566.0
	Excavation inside	(m ³)	504.0		
	Excavation inside (Pile head)	(m ³)	69.1		
	Cleaning inside joint pipe	(m)	2,445.1		
	Backfill inside the well	(m ³)	229.9		229.9
	Surplus soil (waste soil)	(m ³)	1763.0		2336.1

(5) Footing Re-bar

Type	Item	Specification	Division	Unit	Quantity	Remark	
Footing Re-bar	Mass	SD345	D 13	kg	—		
			D16~D25	D 16	"	6,891	
				D 19	"	—	
				D 22	"	4,205	
				D 25	"	—	
				Total	"	11,096	
			D29~D32	D 29	"	—	
				D 32	"	—	
				Total	"	—	
			D 35	"	—		
			D 38	"	31,452		
	D 51	"	84,529				
	Total	"	127,077				
	Mechanical splice	SD345	D 38	Point	—		
			D 38	"	174		
			D 51	"	322		
			Total	"	496		

15. Weighted Average N-value

Soil Coefficient : 1.00

Stratum	Formation (m)	N-value	Thickness (m)	L × N
Current Ground Level	-7.960	-		
Silty Sand River Sediments	-14.95	3	6.99	20.97
Silty Sand- I	-24.95	13	10.00	130.00
CLAY-A II	-38.98	7	14.03	98.21
CLAY-AIII	-40.97	18	1.99	35.82
Silty Sand-A	-47.98	25	7.01	175.25
CLAY-AIII	-55.00	18	7.02	126.36
Silty Sand- II	-58.99	30	3.99	119.70
Clayey Sand- II	-60.60	50	1.61	80.50
Total		14.9	52.64	786.81

5. P13 Pier

5. P13 PIER

5.1 Quantity summary table

【 P13 PIER Quantity Summary Table (1/4) 】

Work Item	Item		Specification	Division	Unit	Quantity	Supporting	
Concrete	Pier	Primary Construction	$\sigma_{ck}=30\text{N/mm}^2$		m ³	2,099.4		
Formwork	Pier	Primary Construction	Normal Form	$H \leq 30\text{m}$	m ²	416.6		
			Circular Formwork		"	526.9		
	Drainage Steel Pipe			$\phi = 50\text{mm}$	m	3.0		
Bearing	Bearing Mortar		Non-shrinkage Mortar		m ³	0.886	Superstructure construction	
	Form for void for Anchor Bolt	Cylindrical Form	$\phi = 150\text{mm}$		m	8.6		
			$\phi = 250\text{mm}$		"	7.9		
	Box-out Formwork		Box-out Formwork		m ²	7.3		
Re-bar	Weight		SD345		D 13	kg	—	
					D16 ~ D25	"	88,457	
					D29 ~ D32	"	66,444	
					D 35	"	—	
					D 38	"	—	
					D 51	"	—	
					Total	"	154,901	
	Mechanical splice		SD345		D 35	Point	—	
					D 38	"	—	
					D 51	"	—	
Total					"	—		

【 P13 PIER Quantity Summary Table (2/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting		
Steel Pipe Sheet Pile Foundation	Steel pipe well	Steel pipe length(ϕ 1200mm)		m/Nos.	63.0			
		Pile number		Nos.	36	Outside Steel Pipe Well		
				"	8	Diaphragm Steel Sheet Pipe Wall		
		Total		"	44			
		Pile extension		m	2,772.0			
		Embedded depth		m	50.1	Soil Coefficient=1.00		
		Number (Type A·C)	Steel pipe Mass	ϕ 1200	t=14mm	t	16.361	SKY400
					t=14mm	"	9.407	SKY490
				ϕ 165.2	t=11mm	"	5.108	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
			Precut		"	2		
		Number (Type B·D)	Steel pipe Mass	ϕ 1200	t=14mm	t	16.361	SKY400
					t=14mm	"	9.407	SKY490
				ϕ 165.2	t=11mm	"	5.108	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
			Precut		"	2		
		Number (Type F)	Steel pipe Mass	ϕ 1200	t=14mm	t	16.361	SKY400
t=14mm	"				9.407	SKY490		
ϕ 165.2	t=11mm			"	7.662	STK400		
Accessories Mass	Reinforcement Band		PL t= 9mm	t	0.080	SS400		
	Members for Perimeter Field Welding (Backing Ring Stopper)		PL t=14mm	"	0.012	SS400		
			PL t=16mm	"	—	SS400		
	Sling		PL t=22mm	"	0.052	SM490A		
	InterLocking Toe		PL t=12mm	Piece	3	SS400		
	In-situ Attached Interlocking			Point	3	STK400		
Precut			"	3				

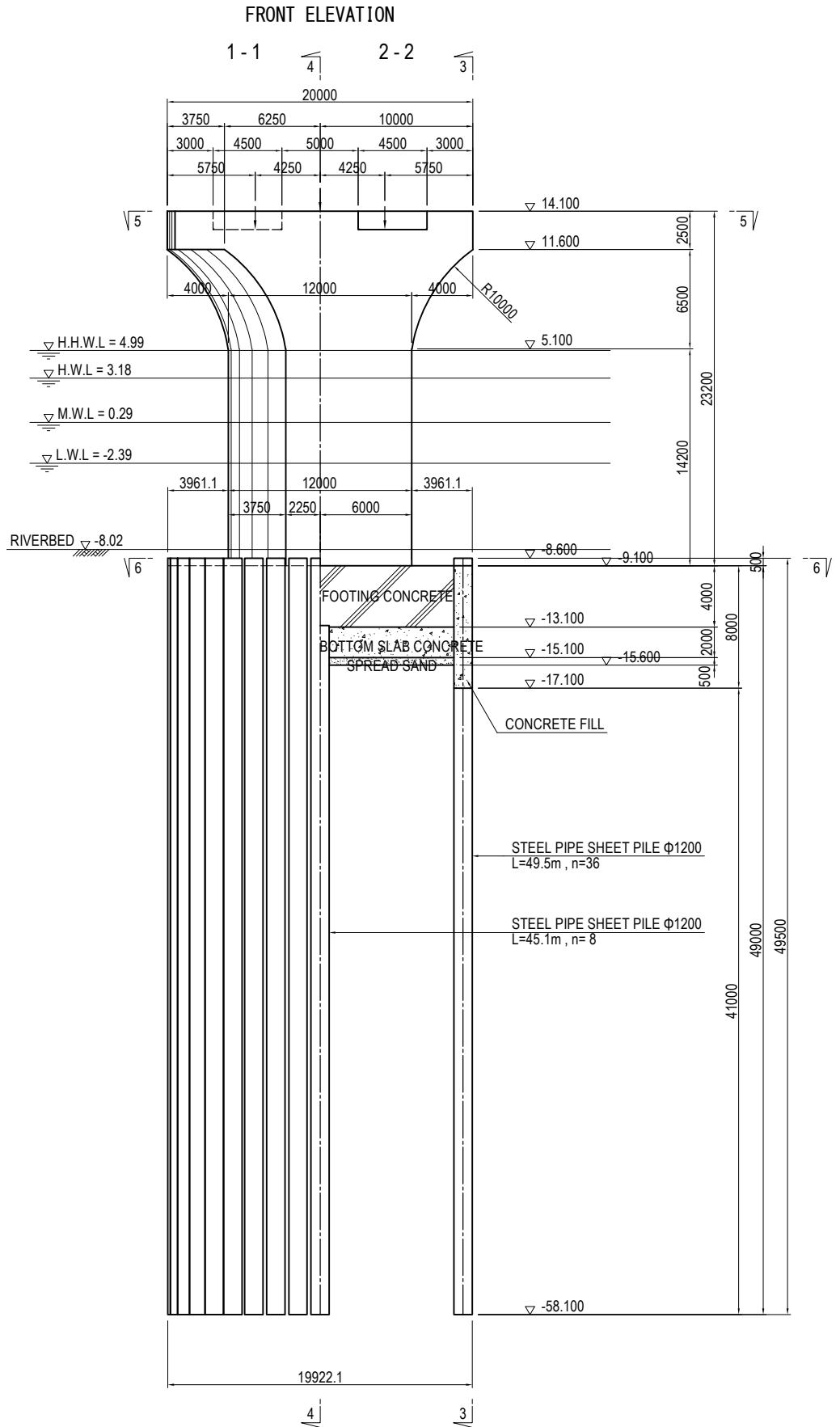
【 P13 PIER Quantity Summary Table (3/4) 】

Work Item	Item	Division			Unit	Quantity	Supporting	
Steel Pipe Sheet Pile Foundation	Steel pipe well	1 n u m b e r (T y p e G)	Steel pipe Mass	φ 1200	t=14mm	t	25.768	SKY400
					t=14mm	"	—	SKY490
				φ 165.2	t=11mm	"	5.108	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		1 n u m b e r (T y p e H)	Steel pipe Mass	φ 1200	t=14mm	t	25.768	SKY400
					t=14mm	"	—	SKY490
				φ 165.2	t=11mm	"	5.108	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	0.080	SS400
				Members for Perimeter Field Welding (Backing Ring Stopper)	PL t=14mm	"	0.012	SS400
					PL t=16mm	"	—	SS400
				Sling	PL t=22mm	"	0.052	SM490A
				InterLocking Toe	PL t=12mm	Piece	2	SS400
				In-situ Attached Interlocking		Point	2	STK400
		Precut			"	2		
		T o t a l N u m b e r	Steel pipe Mass	φ 1200	t=14mm	t	795.140	SKY400
					t=14mm	"	338.652	SKY490
				φ 165.2	t=11mm	"	229.860	STK400
			Accessories Mass	Reinforcement Band	PL t= 9mm	t	3.520	SS400
	Members for Perimeter Field Welding (Backing Ring Stopper)			PL t=14mm	"	0.528	SS400	
				PL t=16mm	"	—	SS400	
	Sling			PL t=22mm	"	2.288	SM490A	
	InterLocking Toe			PL t=12mm	Piece	90	SS400	
	In-situ Attached Interlocking				Point	90	STK400	
	Precut			"	90			
	Excavation inside			m3	369.7			
		Pile head		"	58.6			
	Concrete filling	Fill concrete	σ ck=18N/mm2	m3	338.7	Corraction Factor=0.04		
Pile head		σ ck=24N/mm2	"	12.7				
Cleaning inside joint pipe			m	2,181.6				
Mortar filling inside joint pipe	σ ck=21N/mm2	Mortar length	m	2,133.0	Mortar=2.5m3/100m			
		Mortar quantity	m3	56.0	Correction factor=0.05			
Inside Joint Pipe Sealing	σ ck=0.2N/mm2	InterLocking Sealing Length	m	493.2	Mortar=2.5m3/100m			
		InterLocking Sealing	m3	14.0	Correction factor=0.14			
		Sealing	m	986.4	Per 100m Joint=200			

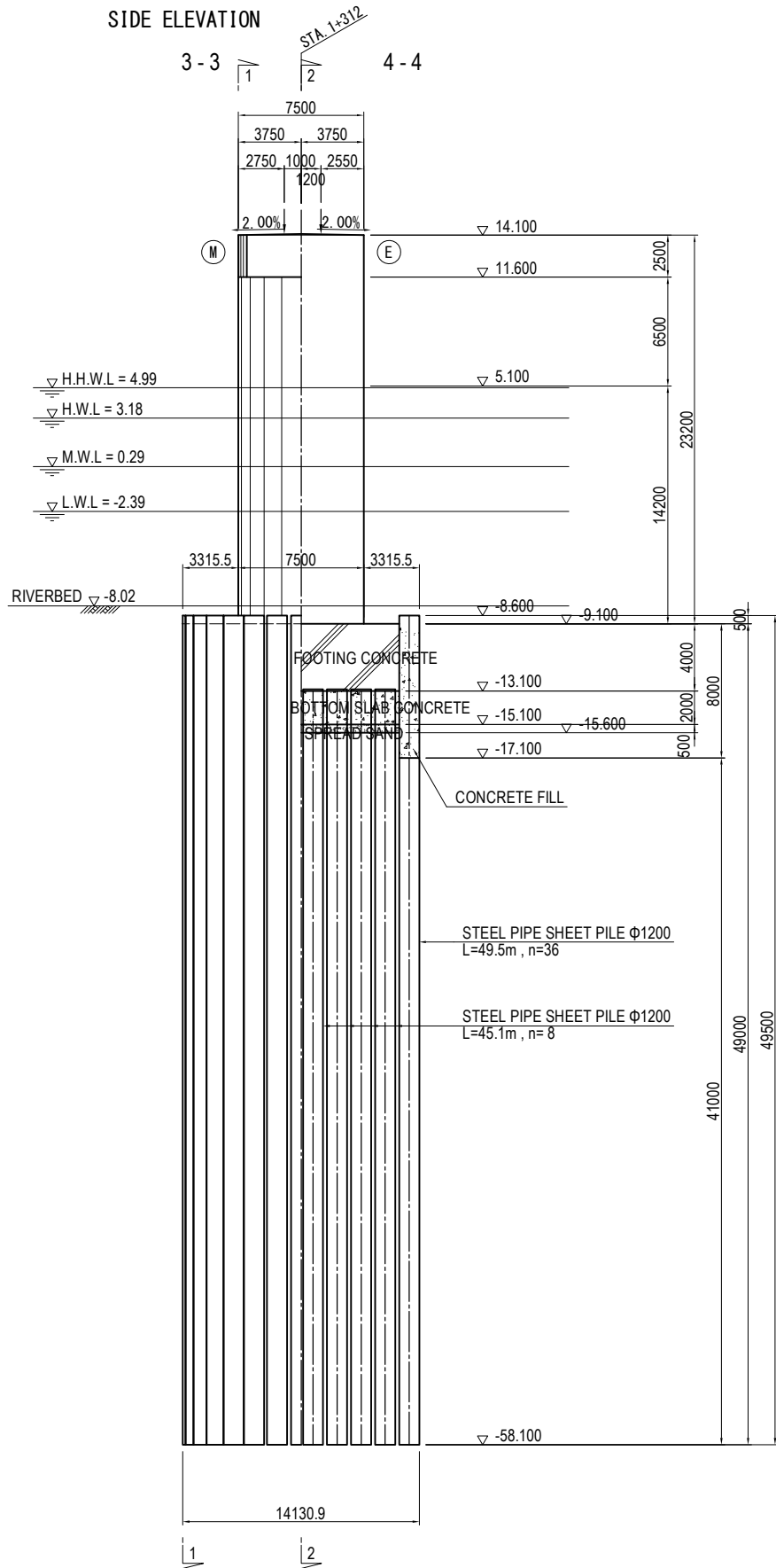
【 P13 PIER Quantity Summary Table (4/4) 】

Work Item	Item	Division		Unit	Quantity	Supporting	
S t e e l P i p e S h e e t P i l e F u n d a t i o n	Excavation inside the Well			m3	1,386.6		
	Backfill inside the well			m3	173.7		
	Surplus soil			m3	1,212.9		
	Footing concrete	$\sigma_{ck}=24\text{N/mm}^2$		m3	743.6		
	Bottom slab concrete	$\sigma_{ck}=21\text{N/mm}^2$		m3	385.6	Corraction Factor=0.09	
	Spread sand			m3	88.5		
	Pile head Connection	Shear Connector	PL-32 × 16 × 3597		kg	231	
		Stopper	PL-25 × 9 × 50		"	4	
	Pile head Rebar	Mass	SD345	D 13	kg	475	
				D16 ~ D25	"	1,393	
				D29 ~ D32	"	—	
				合 計	"	1,868	
	Footing Re-bar	Mass	SD345	D 13	kg	—	
				D16 ~ D25	"	8,533	
				D29 ~ D32	"	8,672	
				D 35	"	14,264	
				D 38	"	—	
				D 51	"	53,833	
		合 計	"	85,302			
		Mechanical Splice	SD345	D 35	Point	110	
				D 38	"	—	
				D 51	"	214	
	合 計			"	324		
Welding of the dowel	Welding of the dowel stage		Stage	1,080			
	Welding of the dowel Mass		kg	10,512			
Cut-off the Pipe	$\phi 1200$		Nos.	44			

5.2 Structure

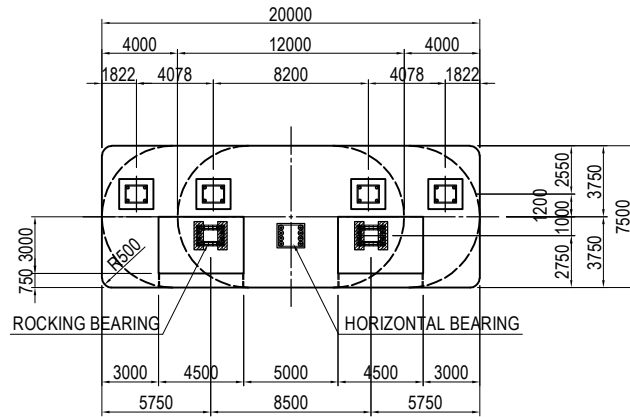


SIDE ELEVATION



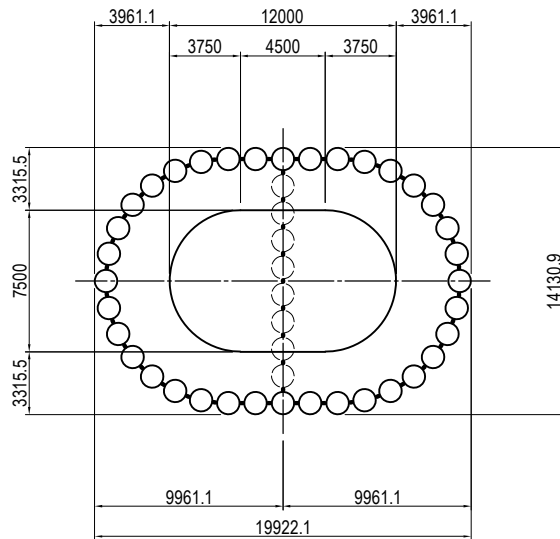
PLAN

5 - 5



PLAN

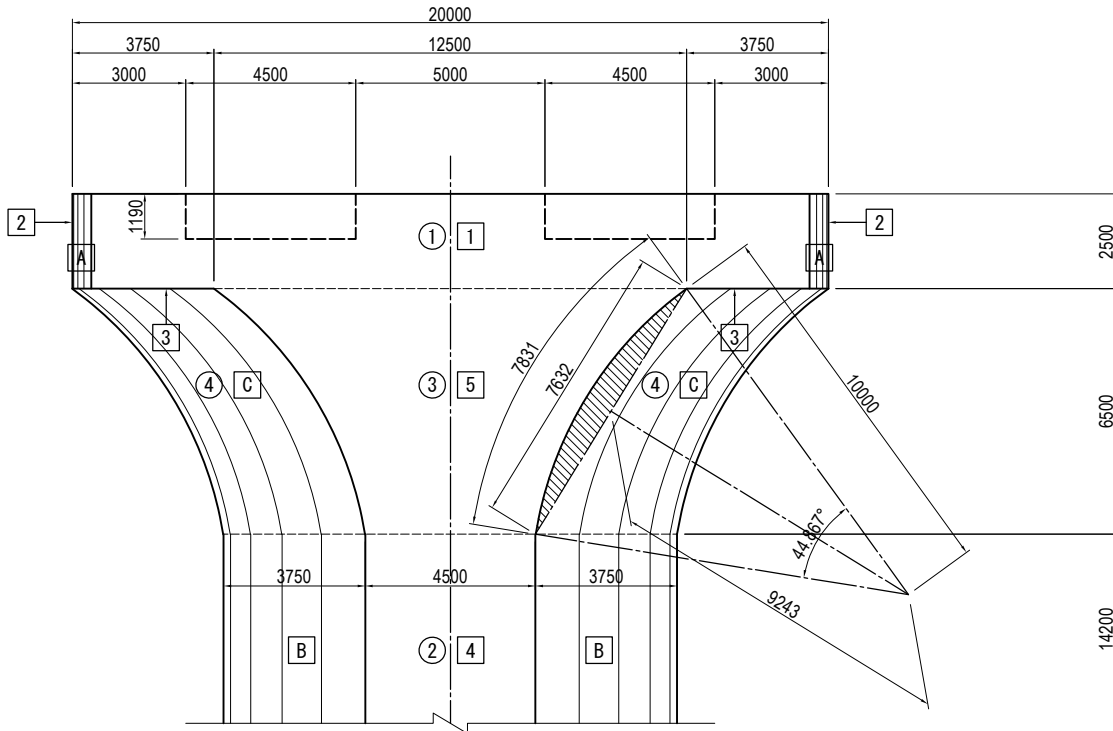
6 - 6



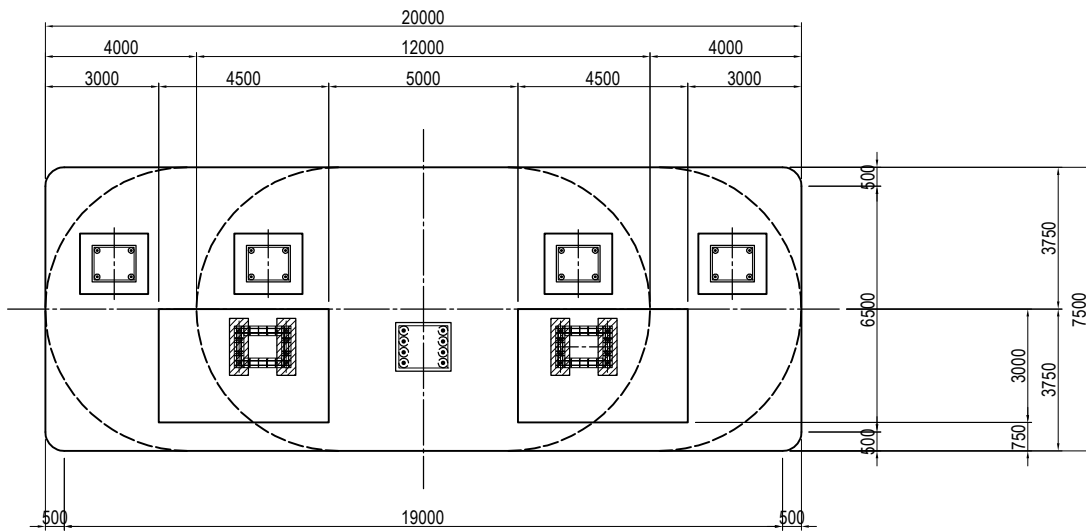
USE MATERIALS

	CONCRETE	BAR
BEAM+PILLAR	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

SIDE ELEVATION

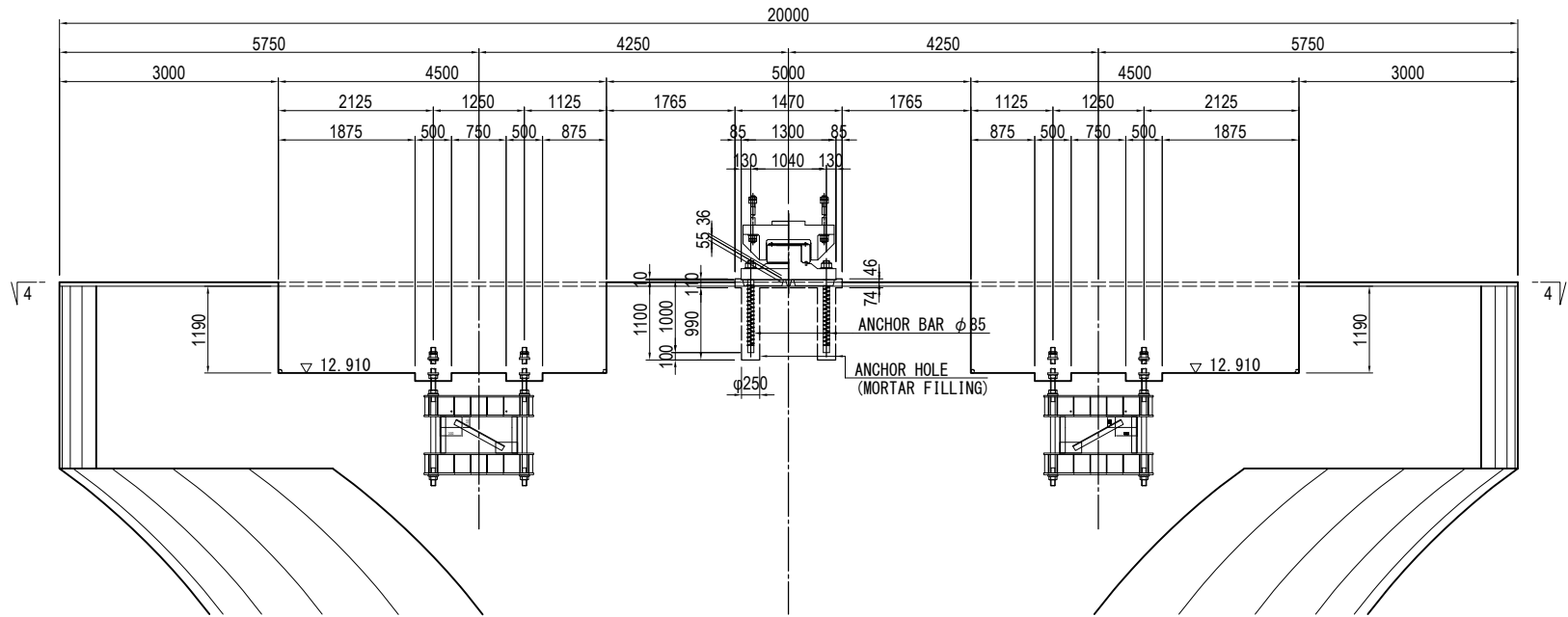


PLAN

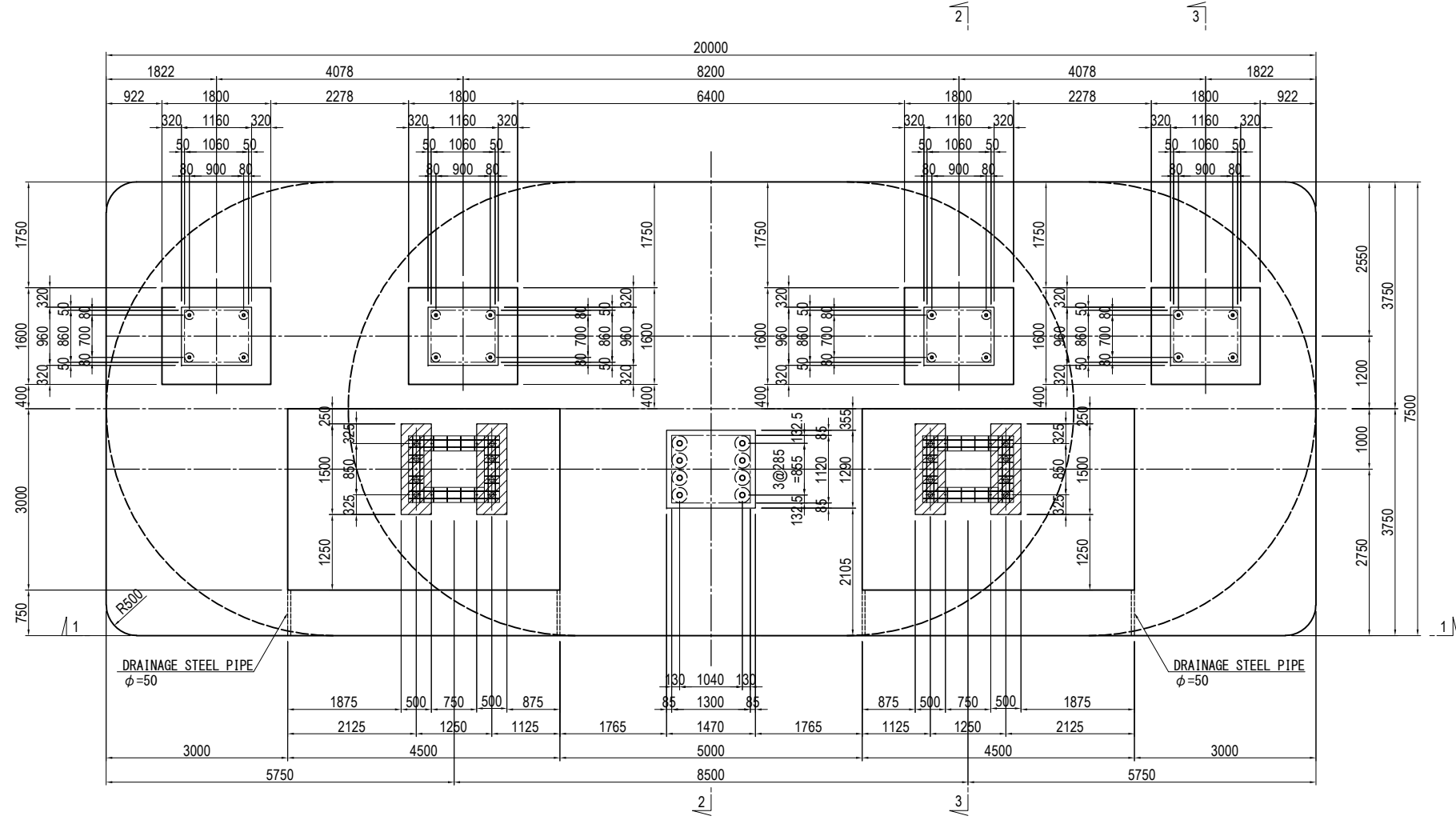


DETAIL OF BEARING AND ANCHOR
FRONT ELEVATION

1 - 1



PLAN
4 - 4



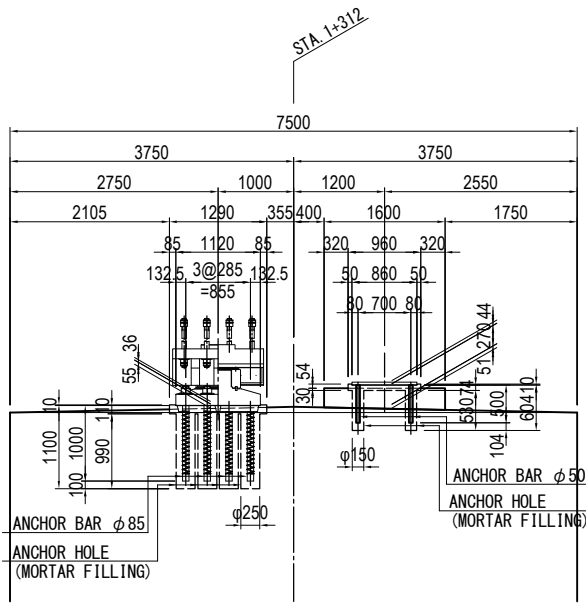
2

3

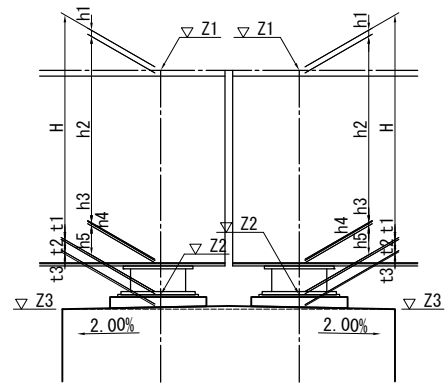
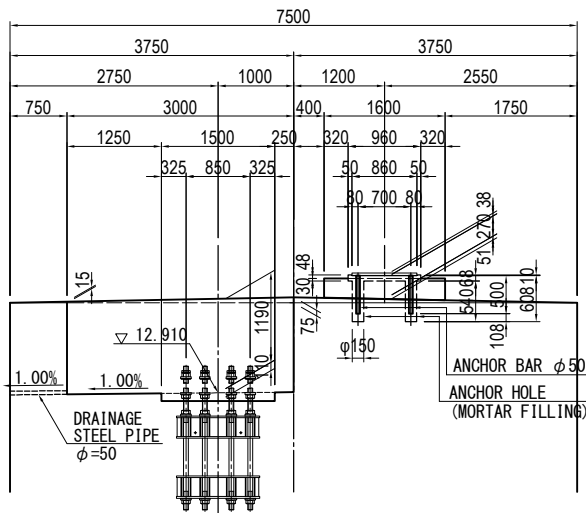
1

SIDE ELEVATION

2 - 2



3 - 3



		P13 PIER (S2)			P13 PIER (S1) ※			
		SL1	CL	SR1	G1C	G2	G3	G4C
PROPOSED HEIGHT	Z1	17.712	17.797	17.712	17.628	17.709	17.709	17.628
PAVEMENT	h1	0.080	0.080	0.080	0.080	0.080	0.080	0.080
GIRDER	h2	2.615	2.700	2.615	2.709	2.790	2.790	2.709
BOTTOM FLANGE	h3	0.014	0.014	0.014	0.020	0.014	0.014	0.020
SOLE PLATE	h4	—	0.062	—	0.030	0.030	0.030	0.030
BEARING	h5	0.903	0.750	0.903	0.330	0.330	0.330	0.330
SUBTOTAL	H	3.612	3.606	3.612	3.169	3.244	3.244	3.169
ELEVATION OF BEARING BOTTOM	Z2	14.100	14.191	14.100	14.459	14.465	14.465	14.459
MORTAR	t1	—	0.036	—	0.038	0.044	0.044	0.038
BEARING BASE	t2	—	—	—	0.270	0.270	0.270	0.270
DRAINAGE INCLINE	t3	—	0.055	—	0.051	0.051	0.051	0.051
ELEVATION OF PIER TOP	Z3	14.100	14.100	14.100	14.100	14.100	14.100	14.100

※ This non-shrinkage mortar for bearing base shall be constructed by Package- 2.

5.3 Concrete

(1) Pier ($\sigma_{ck} = 30\text{N/mm}^2$)

1) Top Beam

$$\textcircled{1} \quad 20.000 * 7.500 * 2.500 = 375.000 \text{ m}^3$$

Grade Concrete

$$1/2 * 3.750 * 0.075 * 20.000 * 2 = 5.625 \text{ ''}$$

Base Concrete

$$\text{G1} \sim \text{G4} \quad 1.800 * 1.600 * 0.270 * 4 = 3.110 \text{ ''}$$

Beam corner cut off

$$-(1.000 * 1.000 - \pi/4 * 1.000 * 1.000) * 2.500 = -0.537 \text{ ''}$$

Rocking Bearing Subtraction of Box-out

$$- 4.500 * 3.000 * 1.190 * 2 = -32.130 \text{ ''}$$

$$- 0.500 * 1.500 * 0.110 * 4 = -0.330 \text{ ''}$$

$$- 1/2 * (0.075 + 0.015) * 3.000 * 4.500 * 2 = -1.215 \text{ ''}$$

$$\text{Top Beam Total} = 349.523 \text{ m}^3$$

2) Beam and Pier Column

【Cross Section】

$$\text{A} = \pi/4 * 7.500 * 7.500 + 4.500 * 7.500 = 77.929 \text{ m}^2$$

$$\textcircled{2} \quad 77.929 * 14.200 = 1,106.592 \text{ m}^3$$

$$\textcircled{3} \quad 1/2 * (4.500 + 12.500) * 6.500 * 7.500 = 414.375 \text{ ''}$$

$$\textcircled{4} \quad \pi/4 * 7.500 * 7.500 * 6.500 = 287.161 \text{ ''}$$

Subtraction of circular arc parts

$$-(\pi * 10.000 * 10.000 * 44.867 / 360 - 1/2 * 7.632 * 9.243) * 7.500 * 2 = -58.238 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 1,749.890 \text{ m}^3$$

$$\text{Pier Total} = 2,099.413 \text{ m}^3$$

5.4 Formwork

(1) Pier

【 Formwork Type 】	Normal Form
【 Structure Type 】	Reinforced and Non-reinforced Structure
【 Height Division 】	[Average Height] $H \leq 30m$

1) Top Beam

1	19.000 * 2.500 * 2	=	95.000 m ²
2	6.500 * 2.500 * 2	=	32.500 "
3	(7.500 * 7.500 - $\pi/4$ * 7.500 * 7.500) - (1.000 * 1.000 - $\pi/4$ * 1.000 * 1.000)	=	11.857 "

Grade Concrete

1/2 * 3.750 * 0.075 * 2 * 2	=	0.563 "
1/2 * (0.075 + 0.015) * 3.000 * 2 * 2	=	0.540 "
0.075 * 4.500 * 2	=	0.675 "
0.015 * 4.500 * 2	=	0.135 "

Base Concrete

G1~G4 (1.800 + 1.600) * 2 * 0.270 * 4	=	7.344 "
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Rocking Bearing Box-out Part

(4.500 + 3.000) * 2 * 1.190 * 2	=	35.700 "
(0.500 + 1.500) * 2 * 0.110 * 4	=	1.760 "

Top Beam Total = 186.074 m²

2) Beam and Pier Column

$$\boxed{4} \quad 4.500 * 14.200 * 2 = 127.800 \text{ m}^2$$

$$\boxed{5} \quad 1/2 * (4.500 + 12.500) * 6.500 * 2 = 110.500 \text{ ''}$$

Subtraction of circular arc parts

$$- \left(\pi * 10.000 * 10.000 * \frac{44.867}{360} - \frac{1}{2} * 7.632 * 9.243 \right) * 2 = -7.765 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 230.535 \text{ m}^2$$

$$\text{Normal Form Total} = 416.609 \text{ m}^2$$

【 Structure Type 】 Reinforced and Non-reinforced Structure(Plywood Circular Formwork Usage)

1) Top Beam

$$\boxed{A} \quad \pi * 1.000 * 2.500 = 7.854 \text{ m}^2$$

2) Beam and Pier Column

$$\boxed{B} \quad \pi * 7.500 * 14.200 = 334.580 \text{ m}^2$$

$$\boxed{C} \quad \pi * 7.500 * 7.831 = 184.514 \text{ ''}$$

$$\text{Beam and Pier Column Total} = 519.094 \text{ m}^2$$

$$\text{Circular Formwork Total} = 526.948 \text{ m}^2$$

(2) Drainage Steel Pipe

$$\phi = 50 \text{ mm}$$

$$L = 0.750 * 4 = 3.000 \text{ m}$$

5.5 Re-bar

Work Item	Item	Specification	Division	Unit	Quantity	Supporting	
Re-bar	Weight	SD345	D 13	kg	—		
			D16~D25	D 16	"	7,359	
				D 19	"	—	
				D 22	"	81,098	
				D 25	"	—	
				Total	"	88,457	
				D29~D32	D 29	"	10,050
			D 32		"	56,394	
			Total		"	66,444	
			D 35	"	—		
			D 38	"	—		
			D 51	"	—		
			Total	"	154,901		
			Mechanical splice	SD345	D 35	Point	—
	D 38	"			—		
	D 51	"			—		
	Total	"			—		

5.6 Bearing

(1) Non-shrinkage Mortar

* Horizontal Bearing $t_1 = 46$ mm

Bearing	1.470	*	1.290	*	0.046		=	0.0872 m ³					
Box-out	1.470	*	1.290	*	0.074		=	0.1403 "					
Void	1/4	*	π	*	0.250	*	0.250	*	0.990	*	8	=	0.3888 "
BaseP Subtraction	-	1.300	*	1.120	*	0.010		=	-0.0146 "				
Anchor Subtraction	-1/4	*	π	*	0.085	*	0.085	*	1.000	*	8	=	-0.0454 "
<hr/>													
								v1	=	0.5563 m ³			

* Rocking Bearing

Box-out	0.500	*	1.500	*	0.110	*	4	=	0.330 m ³
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Mortal	Total	=	0.886 m ³
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(2) Form for void for Anchor Bolt

* Horizontal Bearing

【 Cylindrical Form 】 $\phi = 250$ mm

L	=	0.990	*	8	=	7.920 m
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* End Side

【 Cylindrical Form 】 $\phi = 150$ mm

L1	=	0.540	*	4	*	2	=	4.320 m
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L2	=	0.530	*	4	*	2	=	4.240 m
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ΣL	=	8.560 m
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(3) Box-out Formwork

* Horizontal Bearing

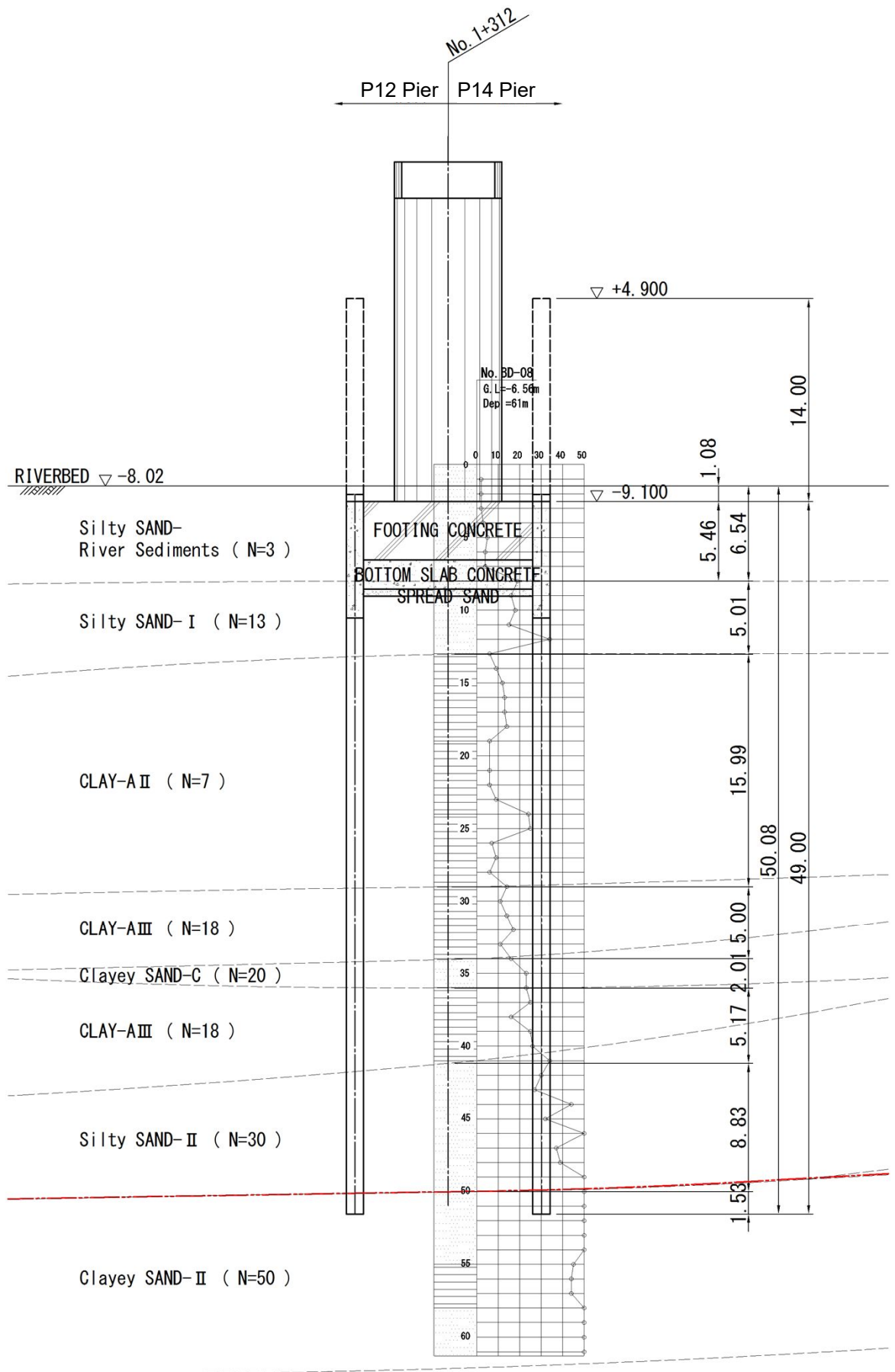
$$A = 2 * (1.470 + 1.290) * 0.074 + 1.470 * 1.290 = 2.305 \text{ m}^2$$

* End Side

$$A1 = \{ 2 * (1.160 + 0.960) * 0.030 + 1.160 * 0.960 \} * 4 = 4.963 \text{ ''}$$

$$\Sigma A = 7.268 \text{ m}^2$$

5.7 Foundation



1. Ruler

Guide frame : 0.350 m (H-350 × 350 × 12 × 19)
 Weight : 135.0 kg/m

Well Outside : 14.131 m (Longitudinal)
 Well Outside : 19.922 m (Transverse)
 Steel Pipe Well : 1.200 m
 Mounting space : 0.030 m

Guide frame(Outside)

$$\begin{aligned} L1 &= (14.131 + 0.030 + 0.350) \times \pi &= & 45.588 \text{ m} \\ L2 &= (19.922 - 14.131) \times 2 &= & 11.582 \text{ m} \\ && \text{Total} &= 57.170 \text{ m} \end{aligned}$$

$$W1 = 57.170 \times 135.0 = 7.718 \text{ t}$$

Guide frame(Inside)

$$\begin{aligned} L1 &= (14.131 - 1.200 \times 2 - 0.030 - 0.350) \times \pi &= & 35.660 \text{ m} \\ L2 &= (19.922 - 14.131) \times 2 &= & 11.582 \text{ m} \\ && \text{Total} &= 47.242 \text{ m} \end{aligned}$$

$$W2 = 47.242 \times 135.0 = 6.378 \text{ t}$$

Guide frame(Diaphragm Wall)

$$L1 = (14.131 - 1.200 \times 2 - 0.030 - 0.350 \times 2) \times 2 = 22.002 \text{ m}$$

$$W3 = 22.002 \times 135.0 = 2.970 \text{ t}$$

Total

$$W = W1 + W2 + W3 = 7.718 + 6.378 + 2.970 = 17.066 \text{ t}$$

Guide frame : 0.300 m (H-300 × 300 × 10 × 15)
 Weight : 93.0 kg/m
 Guide pile : 20.000 m

Guide frame

$$\begin{aligned} n1 &= 28 \text{ Nos.} \\ W1 &= 28 \times 20.000 \times 93.0 = 52.080 \text{ t} \end{aligned}$$

2. Excavation inside

Steel Pipe Well : 1.200 m
 Steel Pipe Well Area : 1.131 m²
 Steel Pipe Well Number : 36 Nos. (Outside Wall)
 Ground level : -8.020 m
 Footing Top : -9.100 m
 Footing : 4.000 m

$$\begin{aligned} \text{Excavation inside} &= 1.131 \times (-8.020 - -9.100 + 4.000 \times 2) \times 36 \\ &= 369.7 \text{ m}^3 \end{aligned}$$

3. Concrete Filling

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Filled Concrete Thickness : 8.000 m
Steel Pipe Well Number : 36 Nos. (Outside Wall)

$$\text{Concrete Filling} = 1.131 \times 8.000 \times 36 = 325.7 \text{ m}^3$$

$$\text{Consumption} = 325.7 \times (1 + K) = 338.7 \text{ m}^3$$

(K: Correction Factor= 0.04)

4. Cleaning Inside Joint Pipe

Ground level : -8.020 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 63.000 m
Steel Pipe Well Bottom : -58.100 m
Nothing Inside Joint Pipe : 1.600 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 45 Nos. (Outside Wall+Diaphragm Wall)

$$\text{Cleaning Inside Joint Pipe Length} = (-8.020 - -58.100 - 1.600) \times 45 = 2181.6 \text{ m}$$

5. Mortar filling inside joint pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Steel Pipe Well Length : 63.000 m
Steel Pipe Well Bottom : -58.100 m
Nothing Inside Joint Pipe : 1.600 m (Steel Pipe Well Bottom)
Inside Joint Pipe : 45 Nos. (Outside Wall+Diaphragm Wall)
Inside Joint Pipe Area : 0.025 m² (φ 165.2*t11)

$$\text{Mortar Length} = (-9.100 - -58.100 - 1.600) \times 45 = 2133.0 \text{ m}$$

$$\text{Mortar Quantity} = 2133.0 \times 0.025 = 53.3 \text{ m}^3$$

$$\text{Consumption} = 53.3 \times (1 + K) = 56.0 \text{ m}^3$$

(K: Correction Factor= 0.05)

6. Sealing Inside Joint Pipe

Footing Top : -9.100 m
Steel Pipe Well Top : 4.900 m
Nothing Inside Joint Pipe : 0.300 m (Steel Pipe Well Top)
Steel Pipe Well Number : 36 Nos. (Outside Wall)

$$\text{Sealing Length} = (4.900 - -9.100 - 0.300) \times 36 = 493.2 \text{ m}$$

$$\text{Sealing Quantity} = 493.2 \times 0.025 = 12.3 \text{ m}^3$$

$$\text{Consumption} = 12.3 \times (1 + K) = 14.0 \text{ m}^3$$

(K: Correction Factor= 0.14)

$$\text{Sealing Bag} = 493.2 \times 2 = 986.4 \text{ m}$$

7. Excavation Inside the Well

(1) Excavation

Well Outside	:	14.131 m	(Longitudinal)
Well Outside	:	19.922 m	(Transverse)
Steel Pipe Well	:	1.200 m	
Steel Pipe Well Area	:	1.131 m ²	
Steel Pipe Well Number	:	36 Nos.	(Outside Wall)
	:	8 Nos.	(Diaphragm Wall)

$$\begin{aligned} \text{Steel Pipe Well Area} &= \left(14.131 - 1.200 \right)^2 \times \frac{\pi}{4} \\ &+ \left(19.922 - 14.131 \right) \times \left(14.131 - 1.200 \right) \\ &- 1.131 \times \frac{36}{2} \\ &= 185.9 \text{ m}^2 \end{aligned}$$

$$\text{Diaphragm Wall Area} = 1.131 \times 8 = 9.0 \text{ m}^2$$

$$\begin{aligned} \text{Steel Pipe Well Area} &= 185.9 - 9.0 \\ \text{(Subtraction of Diaphragm Wall)} &= 176.9 \end{aligned}$$

Ground level	:	-8.020 m
Footing Top	:	-9.100 m
Footing	:	4.000 m
Bottom Slab Thickness	:	2.000 m
Spread sand	:	0.500 m

$$\begin{aligned} \text{Excavation Inside the Well} &= 185.9 \times \left(-8.020 - -9.100 + 4.000 \right) \\ &+ 176.9 \times \left(2.000 + 0.500 \right) \\ &= 1386.6 \text{ m}^3 \end{aligned}$$

(2) Backfill Inside the Well

Pier	:	7.500 m	(Longitudinal)
	:	12.000 m	(Transverse)

$$\begin{aligned} \text{Pier Area} &= \left(7.500 \right)^2 \times \frac{\pi}{4} + \left(12.000 - 7.500 \right) \times 7.500 \\ &= 77.9 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Inside the Well Area} &= \left(14.131 \right)^2 \times \frac{\pi}{4} + \left(19.922 - 14.131 \right) \times 14.131 \\ &= 238.7 \text{ m}^2 \end{aligned}$$

$$\text{Backfill} = \left(238.7 - 77.9 \right) \times \left(-8.020 - -9.100 \right) = 173.7 \text{ m}^3$$

(3) Surplus soil

$$\text{Surplus soil} = 1386.6 - 173.7 = 1212.9 \text{ m}^3$$

8. Footing concrete

Steel Pile Well Area	:	185.9 m ²
Footing	:	4.000 m

$$\text{Footing Concrete} = 185.9 \times 4.000 = 743.6 \text{ m}^3$$

9. Bottom Slab

Steel Pipe Well Area : 176.9 m² (Subtraction of Diaphragm Wall)
Bottom Slab Thickness : 2.000 m

Bottom Slab Concrete = 176.9 × 2.000 = 353.8 m³

Consumption = 353.8 × (1 + K) = 385.6 m³
(K : Correction Factor = 0.09)

10. Spread Sand

Steel Pipe Well Area : 176.9 m² (Subtraction of Diaphragm Wall)
Spread sand : 0.500 m

Spread Sand = 176.9 × 0.500 = 88.5 m³

11. Welding of the dowel

Steel Pipe Well Number : 36 Nos. (Outside Wall)
Moment Re-bar : 10 Stage
Shearforce Re-bar : 20 Stage

Welding of the dowel = 36 × (10 + 20)
= 1080 Stage

12. Pile Head

Steel Pipe Well : 1.200 m
Steel Pipe Well Area : 1.131 m²
Steel Pipe Well Number : 8 Nos. (Diaphragm Wall)
Filled Concrete Thickness : 1.500 m (Subtraction of imbedding) : 1.400 m
Ground level : -8.020 m
Footing Bottom : -13.100 m

Excavation inside = 1.131 × (-8.020 - -13.100 + 1.400) × 8
= 58.6 m³

Concrete Filling = 1.131 × 1.400 × 8
= 12.7 m³

13. Cut-off the pipe

Steel Pipe Well Number : 36 Nos. (Outside Wall)
8 Nos. (Diaphragm Wall)

Steel Pipe Well Top : 4.900 m
Cut-off Position : -8.600 m (50cm upper from Footing Bottom)
: -13.000 m (10cm lower from Footing Top)

Cut-off Length = 4.900 - -8.600 = 13.500 m (Outside Wall)
= 4.900 - -13.000 = 17.900 m (Diaphragm Wall)

14. Quantity Table

(1) Steel Pipe Well

Type: A,C

18 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	8.5 m	3.477	1	3.477 t
	SKY490	φ 1200 t= 14	0.409	23.0 m	9.407	1	9.407 t
	SKY400	φ 1200 t= 14	0.409	2.0 m	0.818	1	0.818 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	29.5 m	12.066	1	12.066 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	32.9 m	1.375	2	5.108 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	27.6 m	1.154	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type: B,D

16 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	8.5 m	3.477	1	3.477 t
	SKY490	φ 1200 t= 14	0.409	23.0 m	9.407	1	9.407 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	28.5 m	11.657	1	11.657 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	33.9 m	1.417	2	5.108 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	26.6 m	1.112	2	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type: F

2 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	φ 1200 t= 14	0.409	8.5 m	3.477	1	3.477 t
	SKY490	φ 1200 t= 14	0.409	23.0 m	9.407	1	9.407 t
	SKY400	φ 1200 t= 14	0.409	3.0 m	1.227	1	1.227 t
Bottom Steel pipe well	SKY400	φ 1200 t= 14	0.409	28.5 m	11.657	1	11.657 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding (t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	3 Piece
Precut				3 Point		1	3 Point
Top Interlocking	STK400	φ 165.2 t= 11	0.0418	33.9 m	1.417	3	7.662 t
Bottom Interlocking	STK400	φ 165.2 t= 11	0.0418	26.6 m	1.112	3	
In-situ Attached Interlocking	STK400	φ 165.2 t= 11	0.0418	0.6 m	0.025	3	

Type:G

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	35.5 m	14.520	1	14.520 t
Bottom Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	27.5 m	11.248	1	11.248 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	ϕ 165.2 t= 11	0.0418	34.9 m	1.459	2	5.108 t
Bottom Interlocking	STK400	ϕ 165.2 t= 11	0.0418	25.6 m	1.070	2	
In-situ Attached Interlocking	STK400	ϕ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Type:H

4 set

Name	Materials	Shape (mm)	Unit Weight (t/m)	Quantity of One point	Weight of One point	Point	Weight of One number
Top Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	36.5 m	14.929	1	14.929 t
Bottom Steel Pipe Well	SKY400	ϕ 1200 t= 14	0.409	26.5 m	10.839	1	10.839 t
Reinforcement Band	SS400	PL 300 × 9 × 3798	0.080	1 Piece	0.080	1	0.080 t
Members for Perimeter Field Welding(t14) (Backing Ring Stopper)	SS400	PL 70 × 6 × 3663	0.012	1 Piece	0.012	1	0.012 t
	SS400	PL 6 × 12 × 30	0.000	8 Piece	0.000	1	0.000 t
Sling①	SM490A	PL 200 × 22 × 150	0.005	2 Piece	0.010	0	0.000 t
Sling②	SM490A	PL 300 × 22 × 250	0.013	2 Piece	0.026	2	0.052 t
Interlocking Toe	SS400	PL 153 × 12 × 159	0.002	2 Piece	0.004	1	2 Piece
Precut				2 Point		1	2 Point
Top Interlocking	STK400	ϕ 165.2 t= 11	0.0418	35.9 m	1.501	2	5.108 t
Bottom Interlocking	STK400	ϕ 165.2 t= 11	0.0418	24.6 m	1.028	2	
In-situ Attached Interlocking	STK400	ϕ 165.2 t= 11	0.0418	0.6 m	0.025	2	

Total	ϕ 1200 t= 14mm (SKY400)	795.140 t
	ϕ 1200 t= 14mm (SKY490)	338.652 t
	ϕ 165.2 t= 11mm (STK400)	229.860 t
	Reinforcement Band (SS400)	3.520 t
	Members for Perimeter Field Welding (t14) (SS400)	0.528 t
	Stopper (SS400)	352 Piece
	Sling① (SM490A)	0.000 t
	Sling② (SM490A)	2.288 t
	Interlocking Toe (SS400)	90 Piece
	Precut	90 Point
	In-situ Attached Interlocking	90 Point

(2) Connection between steel pipe sheet pile and footing

Type	Steel	Length (m)	Num	Unit Weight	Mass(kg)	Memo
Moment Re-bar						
P1	D22	1.000	720	3.04	2,189	SD345
P2	D22	1.000	720	3.04	2,189	SD345
Shear Force Re-bar						
P3	D22	0.700	1440	3.04	3,067	SD345
P4	D22	0.700	1440	3.04	3,067	SD345
Total					10,512	kg

(3) Pile head

Type	Specification	Length (m)	Num	Unit Weight	Mass(kg)	Remark	Memo
Filled Re-bar							
	D29	2.880	96	5.04	1,393	SD345	
Tie hoop							
	D13	4.560	72	0.995	327	SD345	
Erection bar							
	D13	3.720	40	0.995	148	SD345	
Subtotal					1,868	kg	
Shear Connector							
	PL-32 × 16	3.597	16	4.02	231	SS400	
Stopper							
	PL-25 × 9	0.050	48	1.77	4	SS400	
Subtotal					235	kg	
Total					2,103	kg	

(4) Others

Type	Item	Unit	Quantity	Remark	memo
Concrete					
	Concrete filling	(m ³)	338.7	$\sigma_{ck}=18\text{N/mm}^2$	
	Concrete filling(Pile head)	(m ³)	12.7	$\sigma_{ck}=24\text{N/mm}^2$	
	Footing concrete	(m ³)	743.6	$\sigma_{ck}=24\text{N/mm}^2$	
	Bottom slab concrete	(m ³)	385.6	$\sigma_{ck}=21\text{N/mm}^2$	
	Spread sand	(m ³)	88.5		
Mortar filling inside					
	Mortar filling inside joint pipe	(m ³)	54.7	$\sigma_{ck}=21\text{N/mm}^2$	
	Sealing inside joint pipe	(m ³)	14.0	$\sigma_{ck}=0.2\text{N/mm}^2$	
	Sealing bag	(m)	986.4		
Excavation					
	Excavation inside the well	(m ³)	1,386.6		1814.9
	Excavation inside	(m ³)	369.7		
	Excavation inside (Pile head)	(m ³)	58.6		
	Cleaning inside joint pipe	(m)	2,133.1		
	Backfill inside the well	(m ³)	173.7		173.7
	Surplus soil (waste soil)	(m ³)	1212.9		1641.2

(5) Footing Re-bar

Type	Item	Specification	Division	Unit	Quantity	Remark	
Footing Re-bar	Mass	SD345	D 13	kg	—		
			D16~D25	D 16	"	5,616	
				D 19	"	—	
				D 22	"	2,917	
				D 25	"	—	
				Total	"	8,533	
			D29~D32	D 29	"	—	
				D 32	"	8,672	
				Total	"	8,672	
			D 35	"	14,264		
			D 38	"	—		
	D 51	"	53,833				
	Total	"	85,302				
	Mechanical splice	SD345	D 35	Point	110		
			D 38	"	—		
			D 51	"	214		
			Total	"	324		

15. Weighted Average N-value

Soil Coefficient : 1.00

Stratum	Formation (m)	N-value	Thickness (m)	L × N
Current Ground Level	-8.020	-		
Silty Sand River Sediments	-14.56	3	6.54	19.62
Silty Sand- I	-19.57	13	5.01	65.13
CLAY-A II	-35.56	7	15.99	111.93
CLAY-AIII	-40.56	18	5.00	90.00
Clayey Sand-C	-42.57	20	2.01	40.20
CLAY-AIII	-47.74	18	5.17	93.06
Silty Sand- II	-56.57	30	8.83	264.90
Clayey Sand- II	-58.10	50	1.53	76.50
Total		15.2	50.08	761.34

6. Fall Prevention handrail

6. Fall Prevention Handrail

6.1 Quantity Summary Table

Items	Category	Spec	Section	Unit	P10 Pier	P11 Pier	P12 Pier	P13 Pier	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	93	72	72	93	330
			$\phi 21.7 \times 1.9$	kg	75	78	78	75	306
	L	SS400	$65 \times 65 \times 6$	kg	271	226	226	271	994
	PL	SM400A	t=9mm	kg	82	56	56	82	276
			t=6mm	kg	39	26	26	39	130
Total				kg	560	458	458	560	2036
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	52	36	36	52	176
			Nominal 15C	Nos.	84	72	72	84	312
	ANC	SS400	M16 \times 125	Nos.	208	144	144	208	704
Plating Weight	HDZ55			kg	392	308	308	392	1400
	HDZ35			kg	271	216	216	271	974

6.2 Quantity Summary Table (Each Pier)

(1) P10, P13 Pier <Per Pier>

Items	Category	Spec	Section	Unit	T1	T2	T3	T4	T5
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	1	8	4	12	9
			$\phi 21.7 \times 1.9$	kg	1	4	4	6	9
	L	SS400	$65 \times 65 \times 6$	kg	13	20	26	20	25
	PL	SM400A	t=9mm	kg	3	10	6	10	6
			t=6mm	kg	2	4	4	4	3
Total				kg	20	46	44	52	52
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	2	6	4	6	4
			Nominal 15C	Nos.	4	6	8	6	8
	ANC	SS400	M16 \times 125	Nos.	8	24	16	24	16
Plating Weight	HDZ55			kg	18	34	36	34	34
	HDZ35			kg	7	24	18	30	25

Items	Category	Spec	Section	T6	T7, T8	T9	T13	T14	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	1	16	18	12	12	93
			$\phi 21.7 \times 1.9$	1	16	10	12	12	75
	L	SS400	$65 \times 65 \times 6$	13	50	28	38	38	271
	PL	SM400A	t=9mm	3	12	12	10	10	82
			t=6mm	2	6	6	4	4	39
Total				20	100	74	76	76	560
Bolt Nos.	U. Bolt	SS400	Nominal 25C	2	8	8	6	6	52
			Nominal 15C	4	16	8	12	12	84
	ANC	SS400	M16 \times 125	8	32	32	24	24	208
Plating Weight	HDZ55			18	68	46	52	52	392
	HDZ35			7	46	42	36	36	271

(2) P11, P12 Pier <Per Pier>

Items	Category	Spec	Section	Unit	T10, T12	T11	T13	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	32	16	24	72
			$\phi 21.7 \times 1.9$	kg	36	18	24	78
	L	SS400	$65 \times 65 \times 6$	kg	100	50	76	226
	PL	SM400A	t=9mm	kg	24	12	20	56
			t=6mm	kg	12	6	8	26
Total				kg	204	102	152	458
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	16	8	12	36
			Nominal 15C	Nos.	32	16	24	72
	ANC	SS400	M16 \times 125	Nos.	64	32	48	144
Plating Weight	HDZ55			kg	136	68	104	308
	HDZ35			kg	96	48	72	216

6.3 Quantity Summary Table (P10, P13 Pier <Per Pier >)

(1) Fall Prevention HandRail T1 Produced Nos. 1 Point

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs	
1	PIPE	φ 34.0 × 2.3 ×	750	1.80	1.4	1	STK400	100% HDZ35	
2	PIPE	φ 21.7 × 1.9 ×	750	0.928	0.7	1	STK400	100% HDZ35	
2	L	65 × 65 × 6 ×	1069	5.91	6.3	13	SS400	100% HDZ55	
2	PL	115 × 6 ×	80	5.4	0.4	1	SM400A	100% HDZ55	
2	PL	150 × 9 ×	150	10.6	1.6	3	SM400A	100% HDZ55	
2	PL	65 × 6 ×	65	3.1	0.2	1	SM400A	77% HDZ55	
2	UB	U-Bolt M10 Nominal 25C		-	0.138	1	SS400	100% HDZ35	
4	UB	U-Bolt M10 Nominal 15C		-	0.118	1	SS400	100% HDZ35	
8	ANC	Cast-in Anchor M16 × 125		-	0.330	3	SS400	100% HDZ35	
					Σ =	25 kg			
					1 Σ =	25 kg			

<T1 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	φ 34.0 × 2.3	kg	1
			φ 21.7 × 1.9	kg	1
	L	SS400	65 × 65 × 6	kg	13
	PL	SM400A	t=9mm	kg	3
			t=6mm	kg	2
Total				kg	20
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	2
			Nominal 15C	Nos.	4
	ANC	SS400	M16 × 125	Nos.	8
Plating Weight	HDZ55			kg	18
	HDZ35			kg	7

(2) Fall Prevention HandRail T2 Produced Nos. 2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs	
1	PIPE	φ 34.0 × 2.3 ×	2160	1.80	3.9	4	STK400	100% HDZ35	
1	PIPE	φ 21.7 × 1.9 ×	2160	0.928	2.0	2	STK400	100% HDZ35	
3	L	65 × 65 × 6 ×	569	5.91	3.4	10	SS400	100% HDZ55	
3	PL	115 × 6 ×	80	5.4	0.4	1	SM400A	100% HDZ55	
3	PL	150 × 9 ×	150	10.6	1.6	5	SM400A	100% HDZ55	
3	PL	65 × 6 ×	65	3.1	0.2	1	SM400A	77% HDZ55	
3	UB	U-Bolt M10 Nominal 25C		-	0.138	1	SS400	100% HDZ35	
3	UB	U-Bolt M10 Nominal 15C		-	0.118	1	SS400	100% HDZ35	
12	ANC	Cast-in Anchor M16 × 125		-	0.330	4	SS400	100% HDZ35	
					Σ =	29 kg			
					2 Σ =	58 kg			

<T2 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	φ 34.0 × 2.3	kg	8
			φ 21.7 × 1.9	kg	4
	L	SS400	65 × 65 × 6	kg	20
	PL	SM400A	t=9mm	kg	10
			t=6mm	kg	4
Total				kg	46
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	6
			Nominal 15C	Nos.	6
	ANC	SS400	M16 × 125	Nos.	24
Plating Weight	HDZ55			kg	34
	HDZ35			kg	24

(3) Fall Prevention Handrail T3 Produced Nos.

2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	950	1.80	1.7	2	STK400	100% HDZ35
2	PIPE	$\phi 21.7 \times 1.9 \times$	950	0.928	0.9	2	STK400	100% HDZ35
2	L	$65 \times 65 \times 6 \times$	1069	5.91	6.3	13	SS400	100% HDZ55
2	PL	$115 \times 6 \times$	80	5.4	0.4	1	SM400A	100% HDZ55
2	PL	$150 \times 9 \times$	150	10.6	1.6	3	SM400A	100% HDZ55
2	PL	$65 \times 6 \times$	65	3.1	0.2	1	SM400A	77% HDZ55
2	UB	U-Bolt M10 Nominal 25C		-	0.138	1	SS400	100% HDZ35
4	UB	U-Bolt M10 Nominal 15C		-	0.118	1	SS400	100% HDZ35
8	ANC	Cast-in Anchor M16 \times 125		-	0.330	3	SS400	100% HDZ35
					$\Sigma =$	27 kg		
					$2\Sigma =$	54 kg		

<T3 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	4
			$\phi 21.7 \times 1.9$	kg	4
	L	SS400	$65 \times 65 \times 6$	kg	26
	PL	SM400A	t=9mm	kg	6
			t=6mm	kg	4
Total				kg	44
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	4
			Nominal 15C	Nos.	8
	ANC	SS400	M16 \times 125	Nos.	16
Plating Weight	HDZ55			kg	36
	HDZ35			kg	18

(4) Fall Prevention Handrail T4 Produced Nos.

2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	3360	1.80	6.0	6	STK400	100% HDZ35
1	PIPE	$\phi 21.7 \times 1.9 \times$	3360	0.928	3.1	3	STK400	100% HDZ35
3	L	$65 \times 65 \times 6 \times$	569	5.91	3.4	10	SS400	100% HDZ55
3	PL	$115 \times 6 \times$	80	5.4	0.4	1	SM400A	100% HDZ55
3	PL	$150 \times 9 \times$	150	10.6	1.6	5	SM400A	100% HDZ55
3	PL	$65 \times 6 \times$	65	3.1	0.2	1	SM400A	77% HDZ55
3	UB	U-Bolt M10 Nominal 25C		-	0.138	1	SS400	100% HDZ35
3	UB	U-Bolt M10 Nominal 15C		-	0.118	1	SS400	100% HDZ35
12	ANC	Cast-in Anchor M16 \times 125		-	0.330	4	SS400	100% HDZ35
					$\Sigma =$	32 kg		
					$2\Sigma =$	64 kg		

<T4 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	12
			$\phi 21.7 \times 1.9$	kg	6
	L	SS400	$65 \times 65 \times 6$	kg	20
	PL	SM400A	t=9mm	kg	10
			t=6mm	kg	4
Total				kg	52
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	6
			Nominal 15C	Nos.	6
	ANC	SS400	M16 \times 125	Nos.	24
Plating Weight	HDZ55			kg	34
	HDZ35			kg	30

(5) Fall Prevention Handrail T5 Produced Nos. 1 Point

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	4800	1.80	8.6	9 STK400	100%	HDZ35
2	PIPE	$\phi 21.7 \times 1.9 \times$	4800	0.928	4.5	9 STK400	100%	HDZ35
4	L	$65 \times 65 \times 6 \times$	1069	5.91	6.3	25 SS400	100%	HDZ55
4	PL	$115 \times 6 \times$	80	5.4	0.4	2 SM400A	100%	HDZ55
4	PL	$150 \times 9 \times$	150	10.6	1.6	6 SM400A	100%	HDZ55
4	PL	$65 \times 6 \times$	65	3.1	0.2	1 SM400A	77%	HDZ55
4	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
8	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
16	ANC	Cast-in Anchor M16 \times 125		-	0.330	5 SS400	100%	HDZ35
					$\Sigma =$	59 kg		
					1 $\Sigma =$	59 kg		

<T5 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	9
			$\phi 21.7 \times 1.9$	kg	9
	L	SS400	$65 \times 65 \times 6$	kg	25
	PL	SM400A	t=9mm	kg	6
			t=6mm	kg	3
Total				kg	52
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	4
			Nominal 15C	Nos.	8
	ANC	SS400	M16 \times 125	Nos.	16
Plating Weight	HDZ55			kg	34
	HDZ35			kg	25

(6) Fall Prevention Handrail T6 Produced Nos. 1 Point

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	750	1.80	1.4	1 STK400	100%	HDZ35
2	PIPE	$\phi 21.7 \times 1.9 \times$	750	0.928	0.7	1 STK400	100%	HDZ35
2	L	$65 \times 65 \times 6 \times$	1069	5.91	6.3	13 SS400	100%	HDZ55
2	PL	$115 \times 6 \times$	80	5.4	0.4	1 SM400A	100%	HDZ55
2	PL	$150 \times 9 \times$	150	10.6	1.6	3 SM400A	100%	HDZ55
2	PL	$65 \times 6 \times$	65	3.1	0.2	1 SM400A	77%	HDZ55
2	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
4	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
8	ANC	Cast-in Anchor M16 \times 125		-	0.330	3 SS400	100%	HDZ35
					$\Sigma =$	25 kg		
					1 $\Sigma =$	25 kg		

<T6 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	1
			$\phi 21.7 \times 1.9$	kg	1
	L	SS400	$65 \times 65 \times 6$	kg	13
	PL	SM400A	t=9mm	kg	3
			t=6mm	kg	2
Total				kg	20
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	2
			Nominal 15C	Nos.	4
	ANC	SS400	M16 \times 125	Nos.	8
Plating Weight	HDZ55			kg	18
	HDZ35			kg	7

(7) Fall Prevention Handrail T7, T8 Produced Nos.

2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	4500	1.80	8.1	8	STK400	100% HDZ35
2	PIPE	$\phi 21.7 \times 1.9 \times$	4500	0.928	4.2	8	STK400	100% HDZ35
4	L	$65 \times 65 \times 6 \times$	1069	5.91	6.3	25	SS400	100% HDZ55
4	PL	$115 \times 6 \times$	80	5.4	0.4	2	SM400A	100% HDZ55
4	PL	$150 \times 9 \times$	150	10.6	1.6	6	SM400A	100% HDZ55
4	PL	$65 \times 6 \times$	65	3.1	0.2	1	SM400A	77% HDZ55
4	UB	U-Bolt M10 Nominal 25C		-	0.138	1	SS400	100% HDZ35
8	UB	U-Bolt M10 Nominal 15C		-	0.118	1	SS400	100% HDZ35
16	ANC	Cast-in Anchor M16 \times 125		-	0.330	5	SS400	100% HDZ35
						$\Sigma =$	57 kg	
						$2\Sigma =$	114 kg	

<T7, T8 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	16
			$\phi 21.7 \times 1.9$	kg	16
	L	SS400	$65 \times 65 \times 6$	kg	50
	PL	SM400A	t=9mm	kg	12
			t=6mm	kg	6
Total				kg	100
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	8
			Nominal 15C	Nos.	16
	ANC	SS400	M16 \times 125	Nos.	32
Plating Weight	HDZ55			kg	68
	HDZ35			kg	46

(8) Fall Prevention Handrail T9 Produced Nos.

2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	5170	1.80	9.3	9	STK400	100% HDZ35
1	PIPE	$\phi 21.7 \times 1.9 \times$	5170	0.928	4.8	5	STK400	100% HDZ35
4	L	$65 \times 65 \times 6 \times$	569	5.91	3.4	14	SS400	100% HDZ55
4	PL	$115 \times 6 \times$	80	5.4	0.4	2	SM400A	100% HDZ55
4	PL	$150 \times 9 \times$	150	10.6	1.6	6	SM400A	100% HDZ55
4	PL	$65 \times 6 \times$	65	3.1	0.2	1	SM400A	77% HDZ55
4	UB	U-Bolt M10 Nominal 25C		-	0.138	1	SS400	100% HDZ35
4	UB	U-Bolt M10 Nominal 15C		-	0.118	1	SS400	100% HDZ35
16	ANC	Cast-in Anchor M16 \times 125		-	0.330	5	SS400	100% HDZ35
						$\Sigma =$	44 kg	
						$2\Sigma =$	88 kg	

<T9 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	18
			$\phi 21.7 \times 1.9$	kg	10
	L	SS400	$65 \times 65 \times 6$	kg	28
	PL	SM400A	t=9mm	kg	12
			t=6mm	kg	6
Total				kg	74
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	8
			Nominal 15C	Nos.	8
	ANC	SS400	M16 \times 125	Nos.	32
Plating Weight	HDZ55			kg	46
	HDZ35			kg	42

(9) Fall Prevention Handrail T13 Produced Nos. 2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	φ 34.0 × 2.3 ×	3450	1.80	6.2	6 STK400	100%	HDZ35
2	PIPE	φ 21.7 × 1.9 ×	3450	0.928	3.2	6 STK400	100%	HDZ35
3	L	65 × 65 × 6 ×	1068	5.91	6.3	19 SS400	100%	HDZ55
3	PL	115 × 6 ×	80	5.4	0.4	1 SM400A	100%	HDZ55
3	PL	150 × 9 ×	150	10.6	1.6	5 SM400A	100%	HDZ55
3	PL	65 × 6 ×	65	3.1	0.2	1 SM400A	77%	HDZ55
3	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
6	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
12	ANC	Cast-in Anchor M16 × 125		-	0.330	4 SS400	100%	HDZ35
						Σ =	44 kg	
						2Σ =	88 kg	

<T13 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	φ 34.0 × 2.3	kg	12
			φ 21.7 × 1.9	kg	12
	L	SS400	65 × 65 × 6	kg	38
	PL	SM400A	t=9mm	kg	10
			t=6mm	kg	4
Total				kg	76
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	6
			Nominal 15C	Nos.	12
	ANC	SS400	M16 × 125	Nos.	24
Plating Weight	HDZ55			kg	52
	HDZ35			kg	36

(10) Fall Prevention Handrail T14 Produced Nos. 2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	φ 34.0 × 2.3 ×	3150	1.80	5.7	6 STK400	100%	HDZ35
2	PIPE	φ 21.7 × 1.9 ×	3150	0.928	2.9	6 STK400	100%	HDZ35
3	L	65 × 65 × 6 ×	1068	5.91	6.3	19 SS400	100%	HDZ55
3	PL	115 × 6 ×	80	5.4	0.4	1 SM400A	100%	HDZ55
3	PL	150 × 9 ×	150	10.6	1.6	5 SM400A	100%	HDZ55
3	PL	65 × 6 ×	65	3.1	0.2	1 SM400A	77%	HDZ55
3	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
6	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
12	ANC	Cast-in Anchor M16 × 125		-	0.330	4 SS400	100%	HDZ35
						Σ =	44 kg	
						2Σ =	88 kg	

<T14 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	φ 34.0 × 2.3	kg	12
			φ 21.7 × 1.9	kg	12
	L	SS400	65 × 65 × 6	kg	38
	PL	SM400A	t=9mm	kg	10
			t=6mm	kg	4
Total				kg	76
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	6
			Nominal 15C	Nos.	12
	ANC	SS400	M16 × 125	Nos.	24
Plating Weight	HDZ55			kg	52
	HDZ35			kg	36

6.4 Quantity Summary Table (P11, P12 Pier<Per Pier>)

(1) Fall Prevention Handrail T10, T12 Produced Nos. 4 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	φ 34.0 × 2.3 ×	4590	1.80	8.3	8 STK400	100%	HDZ35
2	PIPE	φ 21.7 × 1.9 ×	4590	0.928	4.3	9 STK400	100%	HDZ35
4	L	65 × 65 × 6 ×	1069	5.91	6.3	25 SS400	100%	HDZ55
4	PL	115 × 6 ×	80	5.4	0.4	2 SM400A	100%	HDZ55
4	PL	150 × 9 ×	150	10.6	1.6	6 SM400A	100%	HDZ55
4	PL	65 × 6 ×	65	3.1	0.2	1 SM400A	77%	HDZ55
4	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
8	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
16	ANC	Cast-in Anchor M16 × 125		-	0.330	5 SS400	100%	HDZ35
						Σ =	58 kg	
						4Σ =	232 kg	

<T10, T12 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	φ 34.0 × 2.3	kg	32
			φ 21.7 × 1.9	kg	36
	L	SS400	65 × 65 × 6	kg	100
	PL	SM400A	t=9mm	kg	24
			t=6mm	kg	12
Total				kg	204
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	16
			Nominal 15C	Nos.	32
	ANC	SS400	M16 × 125	Nos.	64
Plating Weight	HDZ55			kg	136
	HDZ35			kg	96

(2) Fall Prevention Handrail T11 Produced Nos. 2 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	φ 34.0 × 2.3 ×	4680	1.80	8.4	8 STK400	100%	HDZ35
2	PIPE	φ 21.7 × 1.9 ×	4680	0.928	4.3	9 STK400	100%	HDZ35
4	L	65 × 65 × 6 ×	1069	5.91	6.3	25 SS400	100%	HDZ55
4	PL	115 × 6 ×	80	5.4	0.4	2 SM400A	100%	HDZ55
4	PL	150 × 9 ×	150	10.6	1.6	6 SM400A	100%	HDZ55
4	PL	65 × 6 ×	65	3.1	0.2	1 SM400A	77%	HDZ55
4	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
8	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
16	ANC	Cast-in Anchor M16 × 125		-	0.330	5 SS400	100%	HDZ35
						Σ =	58 kg	
						2Σ =	116 kg	

<T11 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	φ 34.0 × 2.3	kg	16
			φ 21.7 × 1.9	kg	18
	L	SS400	65 × 65 × 6	kg	50
	PL	SM400A	t=9mm	kg	12
			t=6mm	kg	6
Total				kg	102
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	8
			Nominal 15C	Nos.	16
	ANC	SS400	M16 × 125	Nos.	32
Plating Weight	HDZ55			kg	68
	HDZ35			kg	48

(3) Fall Prevention Handrail T13 Produced Nos.

4 Points

(Unit : kg, mm)

Qty	Category	Section (mm)	Unit Weight	Per Unit	Weight	Spec	NET Rate	Remakrs
1	PIPE	$\phi 34.0 \times 2.3 \times$	3450	1.80	6.2	6 STK400	100%	HDZ35
2	PIPE	$\phi 21.7 \times 1.9 \times$	3450	0.928	3.2	6 STK400	100%	HDZ35
3	L	$65 \times 65 \times 6 \times$	1068	5.91	6.3	19 SS400	100%	HDZ55
3	PL	$115 \times 6 \times$	80	5.4	0.4	1 SM400A	100%	HDZ55
3	PL	$150 \times 9 \times$	150	10.6	1.6	5 SM400A	100%	HDZ55
3	PL	$65 \times 6 \times$	65	3.1	0.2	1 SM400A	77%	HDZ55
3	UB	U-Bolt M10 Nominal 25C		-	0.138	1 SS400	100%	HDZ35
6	UB	U-Bolt M10 Nominal 15C		-	0.118	1 SS400	100%	HDZ35
12	ANC	Cast-in Anchor M16 \times 125		-	0.330	4 SS400	100%	HDZ35
					$\Sigma =$	44 kg		
					$4\Sigma =$	176 kg		

<T13 Sum>

Items	Category	Spec	Section	Unit	Total
Steel Weight	PIPE	STK400	$\phi 34.0 \times 2.3$	kg	24
			$\phi 21.7 \times 1.9$	kg	24
	L	SS400	$65 \times 65 \times 6$	kg	76
	PL	SM400A	t=9mm	kg	20
			t=6mm	kg	8
Total				kg	152
Bolt Nos.	U. Bolt	SS400	Nominal 25C	Nos.	12
			Nominal 15C	Nos.	24
	ANC	SS400	M16 \times 125	Nos.	48
Plating Weight	HDZ55			kg	104
	HDZ35			kg	72