1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Cast in Place Concrete Bored Pile | D1500mm, 79m | Unit: 1 nos | Sheet #: PC 461350

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*(r*d1*1.0)	M/day	2.64	0	0.00	146,392	0.00	386,475	L	101000
2	Skilled Labor	Local	1*(r*d1*1.0)	M/day	2.64	0	0.00	118,898	0.00	313,891	L	104000
3	Rigger	Local	1*(r*d1*2.0)	M/day	5.28	0	0.00	118,898	0.00	627,781	L	105000
4	Common Labor	Local	1*(r*d1*2.0)	M/day	5.28	0	0.00	58,671	0.00	309,783	L	103000
5	Press in pile driver	f1750mm	1*(1.51*r*d1)	day in demand	3.99	27,352	0.00	0	0.00	14,248,050	EL	131000
6	Reverse Circulation Drill	11.2t, 75kW	1*(1.51*r*s*d1)	day in demand	3.19	29,344	0.00	0	0.00	12,220,914	EL	132000
7	Crawler Crane	40t	1*(r*e1*d1)	day	2.61	0	0.00	2,059,353	0.00	5,374,911	EL	118500
8	Crawler Crane	40t	1*(r*e2*d1)	day	1.80	0	0.00	2,059,353	0.00	3,706,835	EL	118500
9	Backhoe	0.6m3	1*(1.09*r*s*d1)	day	2.30	0	0.00	970,542	0.00	2,232,247	EL	101000
10	Miscellaneous Fee		30 % of above							11,156,592		
						0		0				
11	Concrete Production Class - D	300kgf/cm2	Q=π/4*D**2*L*(1+	m3	156.36	565	0.00	355,059	1.82	71,063,272	PC	211300
12	ConcretePlacing(Plain, RC Structure)	Pump(Less than 50m3/day)	Q=π/4*D**2*L*(1+	m3	156.36	532	0.00	16,398	0.00	13,424,124	PC	221100
13	Concrete Transportation	Truck Mixer (3.5km)	Q=π/4*D**2*L*(1+	m3	156.36	441	0.00	13,013	0.00	11,037,171	PC	251800
14	Slush Tank (Slush Container)	30m3	1*(1.51*r*s*d1)	day in demand	0.00	1,146	0.00	0	0.00	0	EL	132500
15	Loading, Transportation (L = 2.0 km)		Q=π/4*D**2*L*(1+	m3	60.32	0	0.00	8,427	0.00	508,317	PC	135500
16						0		0		0		
17	Rebar Fabrication of Pile	D10-D14		t	1.23	0	0.00	297,537	265.42	4,974,833	PC	452001
18	Rebar Fabrication of Pile	D16-D25		t	4.58	0	0.00	297,537	265.42	18,502,961	PC	452002
19	Rebar Fabrication of Pile	D28-D32		t	3.29	0	0.00	297,537	265.42	13,287,476	PC	452003
Summary										183,375,634		
per	nos									183,375,634		

REMARKS r=1, d1=2.64, e1=0.99, e2=0.68, s=0.8, D=1.5m, L=79m, b=0.12

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Drainage (Anchor Bolt Installation Work) — Unit: 100 nos

Sheet #: PC 490010

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.9	M/day	0.90	0	0.00	146,392	0.00	131,753	L	101000
2	Skilled Labor	Local	1*2.7	M/day	2.70	0	0.00	118,898	0.00	321,025	L	104000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
4	Concrete Anchor		100	nos.	100.00	0	0.00	0	0.00	0	M	150100
5	Miscellaneous Fee		1 % of above							5,584		
Summary										563,970		
per	nos									5,640		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Drainage (Steel Pipe Installation Work) — Unit: 100 m

Sheet #: PC 490020

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*0.4	M/day	0.40	0	0.00	146,392	0.00	58,557	L	101000
2	Skilled Labor	Local	1*1.1	M/day	1.10	0	0.00	118,898	0.00	130,788	L	104000
3	Common Labor	Local	1*0.7	M/day	0.70	0	0.00	58,671	0.00	41,070	L	103000
4	Truck Crane	4.8 - 4.9t	1*0.7	day	0.70	0	0.00	396,332	0.00	277,432	EL	123010
5	Drainage Steel Pipe		100	m	100.00	0	0.00	0	0.00	0	M	150200
Summary										507,847		
per	m									5,078		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Drainage(VP Pipe InstallationWork) | (D100-D200mm) | Unit: 100 m

Sheet #: PC 490030

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.3	M/day	0.30	0	0.00	146,392	0.00	43,918	L	101000
2	Skilled Labor	Local	1*1.1	M/day	1.10	0	0.00	118,898	0.00	130,788	L	104000
3	Common Labor	Local	1*0.7	M/day	0.70	0	0.00	58,671	0.00	41,070	L	103000
4	Truck Crane	4.8 - 4.9t	1*0.7	day	0.70	0	0.00	396,332	0.00	277,432	EL	123010
5	Drainage VP Pipe	D100 - D200mm	100	m	100.00	1,336	0.00	0	0.00	17,442,222	M	150300
Summary										17,935,430		
per	m									179,354		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Drainage(VP Pipe InstallationWork) | (D165mm) | Unit: 100 m | Sheet #: PC 490031

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.3	M/day	0.30	0	0.00	146,392	0.00	43,918	L	101000
2	Skilled Labor	Local	1*1.1	M/day	1.10	0	0.00	118,898	0.00	130,788	L	104000
3	Common Labor	Local	1*0.7	M/day	0.70	0	0.00	58,671	0.00	41,070	L	103000
4	Truck Crane	4.8 - 4.9t	1*0.7	day	0.70	0	0.00	396,332	0.00	277,432	EL	123010
5	Drainage PVC Pipe	D165	100	m	100.00	1,336	0.00	0	0.00	17,442,222	M	150310
Summary										17,935,430		
per	m									179,354		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Drainage(VP Pipe InstallationWork) | (D200mm) | Unit: 100 m

Sheet #: PC 490032

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.3	M/day	0.30	0	0.00	146,392	0.00	43,918	L	101000
2	Skilled Labor	Local	1*1.1	M/day	1.10	0	0.00	118,898	0.00	130,788	L	104000
3	Common Labor	Local	1*0.7	M/day	0.70	0	0.00	58,671	0.00	41,070	L	103000
4	Truck Crane	4.8 - 4.9t	1*0.7	day	0.70	0	0.00	396,332	0.00	277,432	EL	123010
5	Drainage PVC Pipe	D216	100	m	100.00	2,004	0.00	0	0.00	26,163,333	M	150360
Summary										26,656,541		
per	m									266,565		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Drainage(Draingae Pit Installation Work) — Unit: 100 nos — Sheet #: PC 490041

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*0.9	M/day	0.90	0	0.00	146,392	0.00	131,753	L	101000
2	Skilled Labor	Local	1*2.7	M/day	2.70	0	0.00	118,898	0.00	321,025	L	104000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
4	Drainage Pit		100	nos.	100.00	0	0.00	1,182,480	0.00	118,248,000	M	150211
5	Miscellaneous Fee		1 % of above							1,188,064		
Summary										119,994,450		
per	nos									1,199,944		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Railing Installation — Unit: 100 m

Sheet #: PC 490210

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
	(Anchor Work)											
1	Skilled Labor	Local	1*0.1*100/2	M/day	5.00	0	0.00	118,898	0.00	594,490	L	104000
	Miscellaneous Fee		5 % of above							29,725		
	(Railing)											
1	Foreman	Local		M/day	2.00	0	0.00	146,392	0.00	292,784	L	101000
2	Skilled Labor	Local		M/day	4.00	0	0.00	118,898	0.00	475,592	L	104000
3	Common Labor	Local		M/day	6.00	0	0.00	58,671	0.00	352,026	L	103000
4	Welder	Local		M/day	0.00	0	0.00	96,255	0.00	0	L	111000
5	Railing for Minor Bridge			m	100.00	0	0.00	782,600	0.00	78,260,000	M	113010
Summary										80,004,617		
per	m									800,046		

REMARKS N=8 (days)

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Railing Installation — Unit: 100 m

Sheet #: PC 490210

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
	(Anchor Work)											
1	Skilled Labor	Local	1*0.1*100/2	M/day	5.00	0	0.00	118,898	0.00	594,490	L	104000
	Miscellaneous Fee		5 % of above							29,725		
	(Railing)											
1	Foreman	Local		M/day	2.00	0	0.00	146,392	0.00	292,784	L	101000
2	Skilled Labor	Local		M/day	4.00	0	0.00	118,898	0.00	475,592	L	104000
3	Common Labor	Local		M/day	6.00	0	0.00	58,671	0.00	352,026	L	103000
4	Welder	Local		M/day	0.00	0	0.00	96,255	0.00	0	L	111000
5	Railing for Minor Bridge			m	100.00	0	0.00	782,600	0.00	78,260,000	M	113010
Summary										80,004,617		
per	m									800,046		

REMARKS N=8 (days)

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Rebar Fabrication (PTI-Girder) | (25-30 girders) | Unit: 1 t

Sheet #: PC 511110

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*4.0	M/day	4.00	0	0.00	79,622	0.00	318,488	L	102000
3	Common Labor	Local	1*2.8	M/day	2.80	0	0.00	58,671	0.00	164,279	L	103000
4	Miscellaneous Fee		4 % of above							22,824		
5	Electric Cost		0.3 % of above							1,712		
										0		
6	ReBar	SD390	1*(1+K)	t	1.05	0	0.00	0	250.40	3,707,172	M	124000
Summary										4,302,310		
per	t									4,302,310		

REMARKS K=0.05

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Rebar Fabrication (PTI-Girder) | (25-30 girders) (D10-D14) | Unit: 1 t | Sheet #: PC 511111

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*4.0	M/day	4.00	0	0.00	79,622	0.00	318,488	L	102000
3	Common Labor	Local	1*2.8	M/day	2.80	0	0.00	58,671	0.00	164,279	L	103000
4	Miscellaneous Fee		4 % of above							22,824		
5	Electric Cost		0.3 % of above							1,712		
6	ReBar	D10-D14 SD390	1*(1+K)	t	1.05	0	0.00	0	250.40	3,707,172	M	124001
Summary										4,302,310		
per	t									4,302,310		

REMARKS K=0.05

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Rebar Fabrication (PTI-Girder) | (25-30 girders) (D16-D25) | Unit: 1 t

Sheet #: PC 511112

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*4.0	M/day	4.00	0	0.00	79,622	0.00	318,488	L	102000
3	Common Labor	Local	1*2.8	M/day	2.80	0	0.00	58,671	0.00	164,279	L	103000
4	Miscellaneous Fee		4 % of above							22,824		
5	Electric Cost		0.3 % of above							1,712		
6	ReBar	D16-D25 SD390	1*(1+K)	t	1.05	0	0.00	0	250.40	3,707,172	M	124002
Summary										4,302,310		
per	t									4,302,310		

REMARKS K=0.05

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Rebar Fabrication (PTI-Girder) | (25-30 girders) (D28-D28) | Unit: 1 t

Sheet #: PC 511113

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*4.0	M/day	4.00	0	0.00	79,622	0.00	318,488	L	102000
3	Common Labor	Local	1*2.8	M/day	2.80	0	0.00	58,671	0.00	164,279	L	103000
4	Miscellaneous Fee		4 % of above							22,824		
5	Electric Cost		0.3 % of above							1,712		
6	ReBar	D28-D32 SD390	1*(1+K)	t	1.05	0	0.00	0	250.40	3,707,172	M	124003
Summary										4,302,310		
per	t									4,302,310		

REMARKS K=0.05

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Sheath Installation Work (PTI-girder) | (2200kN)(25-30girders) | Unit: 100 m

Sheet #: PC 511122

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*1.4	M/day	1.40	0	0.00	146,392	0.00	204,949	L	101000
2	Skilled Labor	Local	1*5.6	M/day	5.60	0	0.00	118,898	0.00	665,829	L	104000
3	Common Labor	Local	1*5.2	M/day	5.20	0	0.00	58,671	0.00	305,089	L	103000
4	Miscellaneous Fee		10 % of above							117,587		
5	Election Cost		0.2 % of above							2,352		
7	Sheath for PC Cable	D65	100*(1+0.04)	m	104.00	273	0.00	0	0.00	3,706,733	M	140072
Summary										5,002,539		
per	m									50,025		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Concrete Work (PTI-girder) | (25-30 girders) | Unit: 10 m3 | Sheet #: PC 511130

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*1.0	M/day	1.00	0	0.00	146,392	0.00	146,392	L	101000
2	Skilled Labor	Local	1*1.3	M/day	1.30	0	0.00	118,898	0.00	154,567	L	104000
3	Carpenter	Local	1*2.8	M/day	2.80	0	0.00	96,255	0.00	269,514	L	112000
4	Rigger	Local	1*0.1	M/day	0.10	0	0.00	118,898	0.00	11,890	L	105000
5	Common Labor	Local	1*3.8	M/day	3.80	0	0.00	58,671	0.00	222,950	L	103000
6	Miscellaneous Fee		10 % of above							80,531		
7	Election Cost		0.2 % of above		Electric					1,611		
										0		
8	Concrete Production Class - D	300kgf/cm2	10*(1+0.02)	m3	10.20	565	0.00	355,059	1.82	4,635,690	PC	211300
9	Concrete Transportation	Truck Mixer (1.5km)	10*(1+0.02)	m3	10.20	265	0.00	7,808	0.00	432,534	PC	251400
										0		
10	Insert	M12 Ceramic Insert	34nos/10m3	nos	34.00	376	0.00	0	0.00	1,669,022	M	140111
Summary										7,624,700		
per	m3									762,470		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Transverse Move to Stock Yard (PTI-girder) — Unit: 1 nos

Sheet #: PC 511150

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.5	M/day	0.50	0	0.00	146,392	0.00	73,196	L	101000
2	Skilled Labor	Local	1*3.1	M/day	3.10	0	0.00	118,898	0.00	368,584	L	104000
3	Common Labor	Local	1*1.9	M/day	1.90	0	0.00	58,671	0.00	111,475	L	103000
Summary										553,255		
per	nos									553,255		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(CT)(PTI-girder) | (Girder Production) | Unit: 1 lot | Sheet #: PC 511161

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Tensioning Jack	400t	1*2*(A+C)	day in demand	1,364.00	4,050	0.00	0	0.00	721,215,000	EL	178030
2	Gantry Crane	3t lifting force	1*1*(A+B)	day in demand	675.00	3,038	0.00	0	0.00	267,723,750	EL	145000
3	Electric Hoist	3t lifting force	1*1*(A+B)	day in demand	675.00	549	0.00	0	0.00	48,380,625	EL	146000
4	Track (per100m) for Gantry Crane	30kg/m including Sleeper	1*2*(A+B)	day in demand	675.00	1,070	0.00	0	0.00	94,293,750	EL	147000
5	Wheel Crane	Hydraulic 25t	1*1*B	day in demand	3.00	0	0.00	1,148,366	0.00	3,445,098	EL	123100
6	Hydraulic Jack	196.1kN (20t)	1*4*A	day in demand	2,688.00	367	0.00	0	0.00	128,792,533	EL	148000
7	Hydraulic Pomp	Electric 1.5kW	1*2*A	day in demand	1,344.00	2,044	0.00	0	0.00	358,653,867	EL	149000
8	Hydraulic Jack Extrude Table	75t	1*4*A	day in demand	2,688.00	437	0.00	0	0.00	153,357,867	EL	150000
9	Lever Block	29.4kN (3.0t) * 1.5m	1*2*A	day in demand	1,344.00	85	0.00	0	0.00	14,914,667	EL	151000
10	Tilehole	29.4kN (3.0t)	1*2*A	day in demand	1,344.00	169	0.00	0	0.00	29,653,867	EL	152000
11	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (30t	1*2*A	day in demand	1,344.00	871	0.00	0	0.00	152,831,467	EL	153000
12	Steel Form Work for Post Tension I-Beam	L40m (212.123m2)	1*1*A	day in demand	672.00	0	0.00	0	39.63	375,502,176	EL	154014
13	Mill Table for Post Tension I-Beam	L40m(L41m), w=0.65m	1*1*A	day in demand	672.00	0	0.00	0	8.59	81,391,968	EL	155014
Summary										2,430,156,634		
per	lot									2,430,156,634		

REMARKS

A=(n/s+(s-1)/s)*14 (days) : n= 189 (The number of girder), s=4 (The number of Mill Table)

B=3 (days) : Setting and Removal of Gantry Crane

C=10 (days) : Transportation of Tension Jack

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(VL)(PTI-girder) | (Girder Production) | Unit: 1 lot | Sheet #: PC 511162

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Tensioning Jack	400t	1*2*(A+C)	day in demand	547.33	4,050	0.00	0	0.00	289,400,803	EL	178030
2	Gantry Crane	3t lifting force	1*1*(A+B)	day in demand	266.67	3,038	0.00	0	0.00	105,768,669	EL	145000
3	Electric Hoist	3t lifting force	1*1*(A+B)	day in demand	266.67	549	0.00	0	0.00	19,113,594	EL	146000
4	Track (per100m) for Gantry Crane	30kg/m including Sleeper	1*2*(A+B)	day in demand	266.67	1,070	0.00	0	0.00	37,252,331	EL	147000
5	Wheel Crane	Hydraulic 25t	1*1*B	day in demand	3.00	0	0.00	1,148,366	0.00	3,445,098	EL	123100
6	Hydraulic Jack	196.1kN (20t)	1*4*A	day in demand	1,054.67	367	0.00	0	0.00	50,533,356	EL	148000
7	Hydraulic Pomp	Electric 1.5kW	1*2*A	day in demand	527.33	2,044	0.00	0	0.00	140,721,003	EL	149000
8	Hydraulic Jack Extrude Table	75t	1*4*A	day in demand	1,054.67	437	0.00	0	0.00	60,171,881	EL	150000
9	Lever Block	29.4kN (3.0t) * 1.5m	1*2*A	day in demand	527.33	85	0.00	0	0.00	5,851,892	EL	151000
10	Tilehole	29.4kN (3.0t)	1*2*A	day in demand	527.33	169	0.00	0	0.00	11,634,981	EL	152000
11	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (30t	1*2*A	day in demand	527.33	871	0.00	0	0.00	59,964,689	EL	153000
12	Steel Form Work for Post Tension I-Beam	L40m (212.123m2)	1*1*A	day in demand	263.67	0	0.00	0	39.63	147,334,284	EL	154014
13	Mill Table for Post Tension I-Beam	L40m(L41m), w=0.65m	1*1*A	day in demand	263.67	0	0.00	0	8.59	31,935,513	EL	155014
						0		0		0		
Summary										963,128,092		
per	lot									963,128,092		

REMARKS

A=(n/s+(s-1)/s)*14 (days) : n= 108 (The number of girder), s=6 (The number of Mill Table)

B=3 (days) : Setting and Removal of Gantry Crane

C=10 (days) : Transportation of Tension Jack

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Steel Mill Remove&Installation (PTI-girder) — Unit: 10 m

Sheet #: PC 511170

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.2	M/day	0.20	0	0.00	146,392	0.00	29,278	L	101000
2	Carpenter	Local	1*0.9	M/day	0.90	0	0.00	96,255	0.00	86,630	L	112000
3	Common Labor	Local	1*2.2	M/day	2.20	0	0.00	58,671	0.00	129,076	L	103000
4	Welder	Local	1*0.5	M/day	0.50	0	0.00	96,255	0.00	48,128	L	111000
										0		
5	Concrete Production Class - E	240kgf/cm2	1.0*0.5*10.0*(1+0.0	m3	5.20	565	0.00	334,674	0.83	2,184,789	PC	211400
6	ConcretePlacing(Plain, RC Structure)	Pump(Less than 50m3/day)	1.0*0.5*10.0*(1+0.0	m3	5.20	532	0.00	16,398	0.00	446,387	PC	221100
7	Curing (Plain Concrete Structure)	Normal	1.0*0.5*10.0*(1+0.0	m3	5.20	0	0.00	2,229	0.00	11,591	PC	231100
8	Form Work for Concrete	H<4m	0.5*10.0*2	m2	10.00	0	0.00	32,002	0.00	320,020	PC	241100
9	Concrete Transportation	Truck Mixer (0.3km)	1.0*0.5*10.0*(1+0.0	m3	5.20	159	0.00	4,685	0.00	132,331	PC	251100
						0		0				
						0		0				
Summary										3,388,230		
per	m									338,823		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Trimming Work (PTI-girder) | (40m girder) | Unit: 1 nos | Sheet #: PC 511180

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Carpenter	Local	1*0.02*L	M/day	0.82	0	0.00	96,255	0.00	78,929	L	112000
2	Common Labor	Local	1*0.01*L	M/day	0.41	0	0.00	58,671	0.00	24,055	L	103000
Summary										102,984		
per	nos									102,984		

REMARKS L=Girder length + 1.0m

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | GantryCraneInstallation&Remove(PTIgirder) | (Girder Production) | Unit: 1 nos

Sheet #: PC . 511190

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Skilled Labor	Local	1*3.8	M/day	3.80	0	0.00	118,898	0.00	451,812	L	104000
2	Electrician	Local	1*1.8	M/day	1.80	0	0.00	96,255	0.00	173,259	L	110000
3	Common Labor	Local	1*4.3	M/day	4.30	0	0.00	58,671	0.00	252,285	L	103000
Summary										877,356		
per	nos									877,356		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Railing Installation&Remove(PTIgirder) | (Girder Production) | Unit: 10 m

Sheet #: PC 511200

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.2	M/day	3.80	0	0.00	146,392	0.00	556,290	L	101000
2	Skilled Labor	Local	1*0.9	M/day	1.80	0	0.00	118,898	0.00	214,016	L	104000
3	Common Labor	Local	1*0.9	M/day	4.30	0	0.00	58,671	0.00	252,285	L	103000
Summary										1,022,591		
per	m									102,259		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Girder Erection (PTI-girder) | (40m) | Unit: 100 t

Sheet #: PC 512110

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*100/(70*1.33)*1	M/day	1.07	0	0.00	146,392	0.00	156,639	L	101000
2	Skilled Labor	Local	1*100/(70*1.33)*6	M/day	6.44	0	0.00	118,898	0.00	765,703	L	104000
3	Common Labor	Local	1*100/(70*1.33)*4	M/day	4.30	0	0.00	58,671	0.00	252,285	L	103000
Summary										1,174,627		
per	t									11,746		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Erection Equipment Installation & Removal — (40m)(PTIgirder) — Unit: 1 lot

Sheet #: PC 512120

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*33*1	M/day	33.00	0	0.00	146,392	0.00	4,830,936	L	101000
2	Skilled Labor	Local	1*33*5.5	M/day	181.50	0	0.00	118,898	0.00	21,579,987	L	104000
3	Common Labor	Local	1*33*3.5	M/day	115.50	0	0.00	58,671	0.00	6,776,501	L	103000
4	Truck Crane	40 - 45t	1*19.5	day	19.50	0	0.00	2,819,812	0.00	54,986,334	EL	123030
Summary										88,173,758		
per	lot									88,173,758		

REMARKS

33 days (Installation and Removal Work)

19.5 days (Operating of Crane)

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Erection Equipment Movement (PTI-girder) — Unit: 1 lot

Sheet #: PC 512130

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*5*2	M/day	10.00	0	0.00	146,392	0.00	1,463,920	L	101000
2	Skilled Labor	Local	1*5*16	M/day	80.00	0	0.00	118,898	0.00	9,511,840	L	104000
3	Common Labor	Local	1*5*10	M/day	50.00	0	0.00	58,671	0.00	2,933,550	L	103000
Summary										13,909,310		
per	lot									13,909,310		

REMARKS 5 days (Move Work Erectiong Girder to Next Span)

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Railing Installation and Removal (PTI-girder) | (Girder Erection) | Unit: 10 m

Sheet #: PC 512140

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.2	M/day	0.20	0	0.00	146,392	0.00	29,278	L	101000
2	Skilled Labor	Local	1*0.9	M/day	0.90	0	0.00	118,898	0.00	107,008	L	104000
3	Common Labor	Local	1*0.9	M/day	0.90	0	0.00	58,671	0.00	52,804	L	103000
Summary										189,090		
per	m									18,909		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(Can Tho Side) | Erection (PTI-girder) | Unit: 1 lot

Sheet #: PC 512151

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Erection Girder	97t(40m-84.6t)	1*D	day in demand	128.63	0	0.00	0	186.77	338,741,643	EL	190040
2	Pulling Roller	30tf	1*12 rollers*D	day in demand	1,543.61	301	0.00	0	0.00	60,659,636	EL	191000
3	Steel Bent	Self weight 11.48t	1*D	day in demand	128.63	4,475	0.00	0	0.00	75,150,258	EL	191100
4	Miscellaneous Fee		2.5 % of above							11,863,788		
5	Device for hanging girder	392.3kN(40t)	1*1*2*D	day in demand	257.27	9,803	0.00	0	0.00	329,263,461	EL	200500
6	Sling for PC girder...	588.4kN (40t)	1*1*2*D	day in demand	257.27	184	0.00	0	0.00	6,180,239	EL	200320
7	Wire Rope	d16 per 100m	1*2*2*D	day in demand	514.54	90	0.00	0	0.00	6,045,897	EL	200400
8	Miscellaneous Fee		1.5 % of above							5,122,344		
9	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (40t	1*2*D	day in demand	257.27	951	0.00	0	0.00	31,942,244	EL	153010
10	Hydraulic Jack	50tf Double Acting Type	1*4*D	day in demand	0.00	612	0.00	0	0.00	0	EL	148010
11	Hydraulic Jack Extrude Table	50tf * 150	1*4*D	day in demand	514.54	311	0.00	0	0.00	20,891,761	EL	150010
12	Hydraulic Pomp	Electric 2.2kW	1*2*D	day in demand	257.27	2,705	0.00	0	0.00	90,855,569	EL	149010
13	Tilehole	15.7kN (1.6t)	1*2*D	day in demand	257.27	103	0.00	0	0.00	3,459,592	EL	152010
14	Lever Block	29.4kN (3.0t) * 1.5m	1*2*D	day in demand	257.27	85	0.00	0	0.00	2,854,989	EL	151000
15	Miscellaneous Fee									1,500,042		
16	Winch	Double Drum Type 3t	1*1*D	day in demand	128.63	6,325	0.00	0	0.00	106,218,042	EL	182010
17	Sheave	d400*2	1*2*D	day in demand	257.27	268	0.00	0	0.00	9,001,544	EL	182070
18	Wire Rope	d16 per 100m	1*800/100*D	day in demand	1,029.07	90	0.00	0	0.00	12,091,533	EL	200400
19	Miscellaneous Fee		1 % of above							1,273,111		
20	Erection Tools for Precast Girder		1*1*D	day in demand	128.63	2,785	0.00	0	0.00	46,769,569	EL	168010
21	Track (per100m) for Precast Girder	30kg/m including Sleeper	1*1*(1.23*l+*l*S)/1	day in demand	166.20	1,045	0.00	0	0.00	22,674,758	EL	147010
Summary										1,182,560,023		
per	lot									1,182,560,023		

REMARKS 97t(40m-84.6 girder)

Days in demand = (Girder Erection + Installation and Removal of Erection Equipment + Move of Erection Equipment) * 2.1

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(Cu Lao Lac) | Erection (PTI-girder) | Unit: 1 lot | Sheet #: PC 512152

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Erection Girder	97t(40m-84.6t)	1*D	day in demand	628.76	0	0.00	0	186.77	1,655,812,491	EL	190040
2	Pulling Roller	30tf	1*12 rollers*D	day in demand	7,545.17	301	0.00	0	0.00	296,504,200	EL	191000
3	Steel Bent	Self weight 11.48t	1*D	day in demand	628.76	4,475	0.00	0	0.00	367,344,297	EL	191100
4	Miscellaneous Fee		2.5 % of above							57,991,525		
5	Device for hanging girder	392.3kN(40t)	1*1*2*D	day in demand	1,257.53	9,803	0.00	0	0.00	1,609,432,358	EL	200500
6	Sling for PC girder...	588.4kN (40t)	1*1*2*D	day in demand	1,257.53	184	0.00	0	0.00	30,208,728	EL	200320
7	Wire Rope	d16 per 100m	1*2*2*D	day in demand	2,515.06	90	0.00	0	0.00	29,551,903	EL	200400
8	Miscellaneous Fee		1.5 % of above							25,037,895		
9	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (40t	1*2*D	day in demand	1,257.53	951	0.00	0	0.00	156,132,825	EL	153010
10	Hydraulic Jack	50tf Double Acting Type	1*4*D	day in demand	0.00	612	0.00	0	0.00	0	EL	148010
11	Hydraulic Jack Extrude Table	50tf * 150	1*4*D	day in demand	2,515.06	311	0.00	0	0.00	102,118,467	EL	150010
12	Hydraulic Pomp	Electric 2.2kW	1*2*D	day in demand	1,257.53	2,705	0.00	0	0.00	444,100,258	EL	149010
13	Tilehole	15.7kN (1.6t)	1*2*D	day in demand	1,257.53	103	0.00	0	0.00	16,910,339	EL	152010
14	Lever Block	29.4kN (3.0t) * 1.5m	1*2*D	day in demand	1,257.53	85	0.00	0	0.00	13,955,083	EL	151000
15	Miscellaneous Fee									7,332,170		
16	Winch	Double Drum Type 3t	1*1*D	day in demand	628.76	6,325	0.00	0	0.00	519,207,303	EL	182010
17	Sheave	d400*2	1*2*D	day in demand	1,257.53	268	0.00	0	0.00	43,999,572	EL	182070
18	Wire Rope	d16 per 100m	1*800/100*D	day in demand	5,030.11	90	0.00	0	0.00	59,103,806	EL	200400
19	Miscellaneous Fee		1 % of above							6,223,107		
20	Erection Tools for Precast Girder		1*1*D	day in demand	628.76	2,785	0.00	0	0.00	228,615,442	EL	168010
21	Track (per100m) for Precast Girder	30kg/m including Sleeper	1*1*(1.23*l+*l*S)/1	day in demand	4,584.95	1,045	0.00	0	0.00	625,527,308	EL	147010
22	Heavy Track Carrier for girder	Doubiegage Rotary Type 40t	1*2*D	day in demand	1,257.53	2,869	0.00	0	0.00	471,025,383	EL	198015
Summary										6,766,134,459		
per	lot									6,766,134,459		

REMARKS 97t(40m-84.6 girder)

Days in demand = (Girder Erection + Installation and Removal of Erection Equipment + Move of Erection Equipment) * 2.1

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(Vinh Long Side) | Erection (PTI-girder) | Unit: 1 lot | Sheet #: PC 512153

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Erection Girder	97t(40m-84.6t)	1*D	day in demand	462.05	0	0.00	0	186.77	1,216,788,828	EL	190040
2	Pulling Roller	30tf	1*12 rollers*D	day in demand	5,544.65	301	0.00	0	0.00	217,889,389	EL	191000
3	Steel Bent	Self weight 11.48t	1*D	day in demand	462.05	4,475	0.00	0	0.00	269,946,328	EL	191100
4	Miscellaneous Fee		2.5 % of above							42,615,614		
5	Device for hanging girder	392.3kN(40t)	1*1*2*D	day in demand	924.11	9,803	0.00	0	0.00	1,182,709,306	EL	200500
6	Sling for PC girder...	588.4kN (40t)	1*1*2*D	day in demand	924.11	184	0.00	0	0.00	22,199,144	EL	200320
7	Wire Rope	d16 per 100m	1*2*2*D	day in demand	1,848.22	90	0.00	0	0.00	21,716,611	EL	200400
8	Miscellaneous Fee		1.5 % of above							18,399,376		
9	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (40t	1*2*D	day in demand	924.11	951	0.00	0	0.00	114,736,008	EL	153010
10	Hydraulic Jack	50tf Double Acting Type	1*4*D	day in demand	0.00	612	0.00	0	0.00	0	EL	148010
11	Hydraulic Jack Extrude Table	50tf * 150	1*4*D	day in demand	1,848.22	311	0.00	0	0.00	75,042,811	EL	150010
12	Hydraulic Pomp	Electric 2.2kW	1*2*D	day in demand	924.11	2,705	0.00	0	0.00	326,352,072	EL	149010
13	Tilehole	15.7kN (1.6t)	1*2*D	day in demand	924.11	103	0.00	0	0.00	12,426,669	EL	152010
14	Lever Block	29.4kN (3.0t) * 1.5m	1*2*D	day in demand	924.11	85	0.00	0	0.00	10,255,008	EL	151000
15	Miscellaneous Fee									5,388,126		
16	Winch	Double Drum Type 3t	1*1*D	day in demand	462.05	6,325	0.00	0	0.00	381,544,172	EL	182010
17	Sheave	d400*2	1*2*D	day in demand	924.11	268	0.00	0	0.00	32,333,519	EL	182070
18	Wire Rope	d16 per 100m	1*800/100*D	day in demand	3,696.43	90	0.00	0	0.00	43,433,092	EL	200400
19	Miscellaneous Fee		1 % of above							4,573,108		
20	Erection Tools for Precast Girder		1*1*D	day in demand	462.05	2,785	0.00	0	0.00	168,000,064	EL	168010
21	Track (per100m) for Precast Girder	30kg/m including Sleeper	1*1*(1.23*l+*l*S)/1	day in demand	2,445.19	1,045	0.00	0	0.00	333,598,689	EL	147010
Summary										4,499,947,934		
per	lot									4,499,947,934		

REMARKS

97t(40m-84.6 girder)

Days in demand = (Girder Erection + Installation and Removal of Erection Equipment + Move of Erection Equipment) * 2.1

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | SegmentTransportation (PTI-girder) | (Segment fabrication) | Unit: 10 nos

Sheet #: PC 514110

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Trailer	21t	1*10/Q1	hr	10.64	0	0.00	28,857	0.00	307,038	EL	200700
2	Truck Crane	40 - 45t	1*10/Q2	hr	3.33	0	0.00	493,467	0.00	1,643,245	EL	123030
3	Common Labor	Local		M/day		0	0.00	58,671	0.00	0	L	103000
Summary										1,950,283		
per	nos									195,028		

REMARKS

Q1=(1*60) / (T1+X1+T3) = 0.94nos/hr, Q2=(1*60)/(T1)=3.0nos/hr

X1=L*2/V*60

L=2.0km, V=10km/hr, T1=20min, T3=20min

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Segment Transportation (PTI-girder) | (Including Barge) | Unit: 10 nos

Sheet #: PC 514111

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Trailer	21t	1*10/Q1	hr	10.64	0	0.00	28,857	0.00	307,038	EL	200700
2	Truck Crane	40 - 45t	1*10/Q2	hr	3.33	0	0.00	493,467	0.00	1,643,245	EL	123030
3	Tag Boat	150PS	1*10/Q3	hr	4.50	0	0.00	156,586	0.00	704,637	EL	125010
Summary										2,654,920		
per	nos									265,492		

REMARKS

Q1=(1*60) / (T1+X1+T3+T5+X2+T6) = 0.66nos/hr, Q2=(1*60)/(T1)=3.0nos/hr, Q3=(1*60)/(T5+X2+T6)=2.22nos/hr

X1=L1*2/V1*60=24min , X2=L2*2/V2*60=21min

L1=2.0km, V1=10km/hr, T1=20min, T3=20min L2=1.0km, V2=5.5km/hr, T5=3.0min, T6=3.0min

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | BargeDepression(CuLaoLac)(PTI-girder) | (Transportation) | Unit: 1 lot | Sheet #: PC 514112

No.	Description	Specification	Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)		
1	Barge	300t 1*D	day in demand	0.00	0	0.00	481,123	0.00	0	EL 124030
Summary									0	
per	lot								0	

REMARKS D=Days for Erection of I-girder Erection of approach bridge in Cu Lao Lat

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Segment Fabrication Work — Unit: 1 nos

Sheet #: PC 514120

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.8	M/day	0.80	0	0.00	146,392	0.00	117,114	L	101000
2	Skilled Labor	Local	1*4.7	M/day	4.70	0	0.00	118,898	0.00	558,821	L	104000
3	Common Labor	Local	1*3.4	M/day	3.40	0	0.00	58,671	0.00	199,481	L	103000
4	Epoxy Resin		1.5kg/m2 * A	kg	3.90	0	0.00	0	5.82	320,070	M	150700
Summary										1,195,486		
per	nos									1,195,486		

REMARKS

A=a*(N-1)

a=Area of Bond = 0.65m2

N=Segment Division = 5

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | PCcableInstallation&GroutWork(PTI-girder) | (1300kN type) | Unit: 100 m

Sheet #: PC 514131

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Skilled Labor	Local	1*2.8	M/day	2.80	0	0.00	118,898	0.00	332,914	L	104000
3	Common Labor	Local	1*2.3	M/day	2.30	0	0.00	58,671	0.00	134,943	L	103000
4	Grout		0.21m3*(1820kg/m3	kg	382.20	96	0.00	0	0.00	4,790,214	M	140120
5	PC Cable	1300kN Type (7S12.7, 8S12.4 w*(1+K)		kg	612.00	0	0.77	0	0.00	6,644,484	M	140011
Summary										11,990,390		
per	m									119,904		

REMARKS

Grout : 0.21m3/100m, 1820kg/m3

PC Cable Loss : K=0.04

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | PCcableInstallation&GroutWork(PTI-girder) | (2200kN type) | Unit: 100 m

Sheet #: PC 514132

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.8	M/day	0.80	0	0.00	146,392	0.00	117,114	L	101000
2	Skilled Labor	Local	1*3.3	M/day	3.30	0	0.00	118,898	0.00	392,363	L	104000
3	Common Labor	Local	1*2.8	M/day	2.80	0	0.00	58,671	0.00	164,279	L	103000
4	Grout		0.27m3*(1820kg/m3	kg	491.40	96	0.00	0	0.00	6,158,828	M	140120
5	PC Cable	2200kN Type (12S12.7B)	w*(1+K)	kg	975.00	0	0.77	0	0.00	10,585,575	M	140012
Summary										17,418,159		
per	m									174,182		

REMARKS

Grout : 0.27m3/100m, 1820kg/m3

PC Cable Loss : K=0.04

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | PCcableInstallation&GroutWork(PTI-girder) | (3100kN type) | Unit: 100 m | Sheet #: PC 514133

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*1.0	M/day	0.80	0	0.00	146,392	0.00	117,114	L	101000
2	Skilled Labor	Local	1*4.1	M/day	3.30	0	0.00	118,898	0.00	392,363	L	104000
3	Common Labor	Local	1*3.5	M/day	2.80	0	0.00	58,671	0.00	164,279	L	103000
4	Grout		0.35m3*(1820kg/m3	kg	637.00	96	0.00	0	0.00	7,983,733	M	140120
5	PC Cable	3100kN Type (12S15.2B)	w*(1+K)	kg	1,387.00	0	0.77	0	0.00	15,058,659	M	140013
Summary										23,716,148		
per	m									237,161		

REMARKS

Grout : 0.35m3/100m, 1820kg/m3

PC Cable Loss : K=0.04

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Tension Work(PTI-girder) | (1300kN type) | Unit: 10 cable

Sheet #: PC 514141

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*1.0	M/day	1.00	0	0.00	146,392	0.00	146,392	L	101000
2	Skilled Labor	Local	1*4.4	M/day	4.40	0	0.00	118,898	0.00	523,151	L	104000
3	Common Labor	Local	1*3.2	M/day	3.00	0	0.00	58,671	0.00	176,013	L	103000
						0		0		0		
	Anchorage of PC Cable (Fixed Side)	D7T13E		nos	10.00	12,240	0.00	0	0.00	15,980,000	M	140031
	Anchorage of PC Cable (Tensioning Side)	7T13M130		nos	10.00	8,400	0.00	0	0.00	10,966,667	M	140051
Summary										27,792,223		
per	cable									2,779,222		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Tension Work(PTI-girder) | (2200kN type) | Unit: 10 cable | Sheet #: PC 514142

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*1.0	M/day	1.00	0	0.00	146,392	0.00	146,392	L	101000
2	Skilled Labor	Local	1*5.0	M/day	5.00	0	0.00	118,898	0.00	594,490	L	104000
3	Common Labor	Local	1*3.5	M/day	3.50	0	0.00	58,671	0.00	205,349	L	103000
	Anchorage of PC Cable (Fixed Side)	D12T13E 195,225		nos	10.00	17,760	0.00	0	0.00	23,186,667	M	140032
	Anchorage of PC Cable (Tensioning Side)	12T13M220		nos	10.00	13,440	0.00	0	0.00	17,546,667	M	140052
Summary										41,679,564		
per	cable									4,167,956		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Tension Work(PTI-girder) | (3100kN type) | Unit: 10 cable

Sheet #: PC 514143

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*1.3	M/day	1.30	0	0.00	146,392	0.00	190,310	L	101000
2	Skilled Labor	Local	1*5.9	M/day	5.90	0	0.00	118,898	0.00	701,498	L	104000
3	Common Labor	Local	1*4.2	M/day	4.20	0	0.00	58,671	0.00	246,418	L	103000
	Anchorage of PC Cable (Fixed Side)	D12T15E		nos	10.00	0	269.41	0	0.00	37,986,810	M	140033
	Anchorage of PC Cable (Tensioning Side)	12T15M319		nos	10.00	21,040	0.00	0	0.00	27,468,889	M	140053
Summary										66,593,925		
per	cable									6,659,392		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Concrete Work for Edge of girder (PTI-girder) — Unit: 1 nos

Sheet #: PC 514150

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.2	M/day	0.20	0	0.00	146,392	0.00	29,278	L	101000
2	Skilled Labor	Local	1*0.1	M/day	0.10	0	0.00	118,898	0.00	11,890	L	104000
3	Common Labor	Local	1*0.6	M/day	0.60	0	0.00	58,671	0.00	35,203	L	103000
			18 % of above			0		0		13,747		
Summary										90,118		
per	nos									90,118		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(CanThoSide) | Segment Fabric(PTI-girder) | Unit: 1 lot

Sheet #: PC 514161

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Truck Crane	40 - 45t	1*1*D'	day in demand	18.00	0	0.00	2,077,756	0.00	37,399,608	EL	123030
2	Heavy Track Carrier for girder	Doublegage Rotary Type 40t	1*2*D1	day in demand	93.60	2,869	0.00	0	0.00	35,059,128	EL	198015
3	Heavy Track Carrier for girder	Doublegage 15t	1*2*(n-1)*D1	day in demand	374.40	1,793	0.00	0	0.00	87,641,814	EL	198017
4	Hydraulic Jack	50tf with Inner Pump type	1*4*D1	day in demand	187.20	406	0.00	0	0.00	9,922,614	EL	148050
5	Track (per100m) for Precast Girder	30kg/m including Sleeper	1*1.23*L/100*D1	day in demand	23.03	1,045	0.00	0	0.00	3,141,950	EL	147010
6	Tensioning Jack	400t	1*2*(D1+G)	day in demand	93.60	4,050	0.00	0	0.00	49,491,000	EL	178030
6	Tensioning Jack Pump	3.7kW	1*2*(D1+G)	day in demand	93.60	2,290	0.00	0	0.00	27,983,800	EL	179000
6	Lever Block	29.4kN (3.0t) * 1.5m	1*4*D1	day in demand	187.20	85	0.00	0	0.00	2,077,400	EL	151000
9	Gas Regulator	Oxygen	1*1*D1	day in demand	46.80	15	0.00	0	0.00	91,650	EL	198020
10	Gas Regulator	Acetylene	1*1*D1	day in demand	46.80	16	0.00	0	0.00	97,786	EL	198030
11	Gas Cutting Apparatus	Acetylene	1*1*D1	day in demand	46.80	15	0.00	0	0.00	91,650	EL	174000
12	Grouting Pump	(15-30 l/min)	1*1*D2	day in demand	18.10	868	0.00	0	0.00	2,051,158	EL	181000
13	Grout Mixer	(100 //min)	1*1*D2	day in demand	18.10	341	0.00	0	0.00	805,789	EL	180000
										0		
Summary										255,855,347		
per	lot									255,855,347		

REMARKS

D1=0.52*nos of segmen of one girdert*nos of girder)/nos of table

n=nos of segment for one girder

D2=0.6*nos of girder + 7.3

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(Cu Lao Lat) | Segment Fabric(PTI-girder) | Unit: 1 lot | Sheet #: PC 514162

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Truck Crane	40 - 45t	1*1*D'	day in demand	153.00	0	0.00	2,077,756	0.00	317,896,668	EL	123030
2	Heavy Track Carrier for girder	Doublegage Rotary Type 40t	1*2*D1	day in demand	795.60	2,869	0.00	0	0.00	298,002,978	EL	198015
3	Heavy Track Carrier for girder	Doublegage 15t	1*2*(n-1)*D1	day in demand	3,182.40	1,793	0.00	0	0.00	744,955,614	EL	198017
4	Hydraulic Jack	50tf with Inner Pump type	1*4*D1	day in demand	1,591.20	406	0.00	0	0.00	84,342,414	EL	148050
5	Track (per100m) for Precast Girder	30kg/m including Sleeper	1*1.23*L/100*D1	day in demand	195.72	1,045	0.00	0	0.00	26,702,136	EL	147010
6	Tensioning Jack	400t	1*2*(D1+G)	day in demand	795.60	4,050	0.00	0	0.00	420,673,500	EL	178030
6	Tensioning Jack Pump	3.7kW	1*2*(D1+G)	day in demand	795.60	2,290	0.00	0	0.00	237,862,300	EL	179000
6	Lever Block	29.4kN (3.0t) * 1.5m	1*4*D1	day in demand	1,591.20	85	0.00	0	0.00	17,657,900	EL	151000
9	Gas Regulator	Oxygen	1*1*D1	day in demand	397.80	15	0.00	0	0.00	779,025	EL	198020
10	Gas Regulator	Acetylene	1*1*D1	day in demand	397.80	16	0.00	0	0.00	830,986	EL	198030
11	Gas Cutting Apparatus	Acetylene	1*1*D1	day in demand	397.80	15	0.00	0	0.00	779,025	EL	174000
12	Grouting Pump	(15-30 l/min)	1*1*D2	day in demand	99.10	868	0.00	0	0.00	11,230,258	EL	181000
13	Grout Mixer	(100 //min)	1*1*D2	day in demand	99.10	341	0.00	0	0.00	4,411,864	EL	180000
										0		
Summary										2,166,124,668		
per	lot									2,166,124,668		

REMARKS

D1=0.52*nos of segmen of one girdert*nos of girder)/nos of table

n=nos of segment for one girder

D2=0.6*nos of girder + 7.3

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | EquipmentDepression(Vinh Long Side) | Segment Fabric(PTI-girder) | Unit: 1 lot

Sheet #: PC 514163

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Truck Crane	40 - 45t	1*1*D'	day in demand	108.00	0	0.00	2,077,756	0.00	224,397,648	EL	123030
2	Heavy Track Carrier for girder	Doublegage Rotary Type 40t	1*2*D1	day in demand	561.60	2,869	0.00	0	0.00	210,355,028	EL	198015
3	Heavy Track Carrier for girder	Doublegage 15t	1*2*(n-1)*D1	day in demand	2,246.40	1,793	0.00	0	0.00	525,851,014	EL	198017
4	Hydraulic Jack	50tf with Inner Pump type	1*4*D1	day in demand	1,123.20	406	0.00	0	0.00	59,535,814	EL	148050
5	Track (per100m) for Precast Girder	30kg/m including Sleeper	1*1.23*L/100*D1	day in demand	138.15	1,045	0.00	0	0.00	18,847,914	EL	147010
6	Tensioning Jack	400t	1*2*(D1+G)	day in demand	561.60	4,050	0.00	0	0.00	296,946,000	EL	178030
6	Tensioning Jack Pump	3.7kW	1*2*(D1+G)	day in demand	561.60	2,290	0.00	0	0.00	167,902,800	EL	179000
6	Lever Block	29.4kN (3.0t) * 1.5m	1*4*D1	day in demand	1,123.20	85	0.00	0	0.00	12,464,400	EL	151000
9	Gas Regulator	Oxygen	1*1*D1	day in demand	280.80	15	0.00	0	0.00	549,900	EL	198020
10	Gas Regulator	Acetylene	1*1*D1	day in demand	280.80	16	0.00	0	0.00	586,586	EL	198030
11	Gas Cutting Apparatus	Acetylene	1*1*D1	day in demand	280.80	15	0.00	0	0.00	549,900	EL	174000
12	Grouting Pump	(15-30 l/min)	1*1*D2	day in demand	72.10	868	0.00	0	0.00	8,170,558	EL	181000
13	Grout Mixer	(100 //min)	1*1*D2	day in demand	72.10	341	0.00	0	0.00	3,209,839	EL	180000
										0		
Summary										1,529,367,401		
per	lot									1,529,367,401		

REMARKS

D1=0.52*nos of segmen of one girdert*nos of girder)/nos of table

n=nos of segment for one girder

D2=0.6*nos of girder + 7.3

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Form Work of Cross Beam (PTI-girder) — Unit: 10 m2

Sheet #: PC 515110

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*0.5	M/day	0.50	0	0.00	146,392	0.00	73,196	L	101000
2	Carpenter	Local	1*2.6	M/day	2.60	0	0.00	96,255	0.00	250,263	L	112000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
	Miscellaneous Fee		11 % of above							47,197		
Summary										476,264		
per	m2									47,626		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Rebar Fabrication of Cross Beam (PTI-girder) — Unit: 1 t

Sheet #: PC 515120

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*3.5	M/day	3.50	0	0.00	79,622	0.00	278,677	L	102000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
4	Miscellaneous Fee		1 % of above							4,721		
5	ReBar	SD390	1*(1+K)	t	1.06	0	0.00	0	250.40	3,742,422	M	124000
Summary										4,219,263		
per	t									4,219,263		

REMARKS K=0.06

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Rebar Fabrication of Cross Beam (PTI-girder) | (D10-D14) | Unit: 1 t

Sheet #: PC 515121

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*3.5	M/day	3.50	0	0.00	79,622	0.00	278,677	L	102000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
4	Miscellaneous Fee		1 % of above							4,721		
5	ReBar	D10-D14 SD390	1*(1+K)	t	1.06	0	0.00	0	250.40	3,742,422	M	124001
Summary										4,219,263		
per	t									4,219,263		

REMARKS K=0.06

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Rebar Fabrication of Cross Beam (PTI-girder) — (D16-D25) — Unit: 1 t

Sheet #: PC 515122

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*3.5	M/day	3.50	0	0.00	79,622	0.00	278,677	L	102000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
4	Miscellaneous Fee		1 % of above							4,721		
5	ReBar	D16-D25 SD390	1*(1+K)	t	1.06	0	0.00	0	250.40	3,742,422	M	124002
Summary										4,219,263		
per	t									4,219,263		

REMARKS K=0.06

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Rebar Fabrication of Cross Beam (PTI-girder) | (D28-D32) | Unit: 1 t

Sheet #: PC 515123

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.6	M/day	0.60	0	0.00	146,392	0.00	87,835	L	101000
2	Steel Worker	Local	1*3.5	M/day	3.50	0	0.00	79,622	0.00	278,677	L	102000
3	Common Labor	Local	1*1.8	M/day	1.80	0	0.00	58,671	0.00	105,608	L	103000
4	Miscellaneous Fee		1 % of above							4,721		
5	ReBar	D28-D32 SD390	1*(1+K)	t	1.06	0	0.00	0	250.40	3,742,422	M	124003
Summary										4,219,263		
per	t									4,219,263		

REMARKS K=0.06

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Concrete Work of Cross Beam (PTI-girder) — Unit: 10 m3

Sheet #: PC 515130

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.3	M/day	0.30	0	0.00	146,392	0.00	43,918	L	101000
2	Skilled Labor	Local	1*1.5	M/day	1.50	0	0.00	118,898	0.00	178,347	L	104000
3	Common Labor	Local	1*3.9	M/day	3.90	0	0.00	58,671	0.00	228,817	L	103000
4	Concrete Pump Vehicle	90 - 110m3/hr	1*1.5	hr	1.50	5,724	0.00	57,513	0.00	1,207,220	EL	117000
5	Miscellaneous Fee		11 % of above							182,413		
										0		
6	Concrete Production Class - E	240kgf/cm2	10*(1*K)	m3	10.40	565	0.00	334,674	0.83	4,369,437	PC	211400
7	Concrete Transportation	Truck Mixer (3.5km)	10*(1*K)	m3	10.40	441	0.00	13,013	0.00	734,063	PC	251800
Summary										6,944,215		
per	m3									694,422		

REMARKS K=0.04

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Transverse PC Cable Installation (PTI-girder) | (390kN, 1S17.8) | Unit: 100 m

Sheet #: PC 515141

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.8	M/day	0.80	0	0.00	146,392	0.00	117,114	L	101000
2	Skilled Labor	Local	1*3.3	M/day	3.30	0	0.00	118,898	0.00	392,363	L	104000
3	Common Labor	Local	1*2.0	M/day	2.20	0	0.00	58,671	0.00	129,076	L	103000
4	Miscellaneous Fee		0.9 % of above							5,747		
										0		
5	PC Cable	390kN Type (1S17.8)	100*(1+0.06)*1.652	kg	175.11	0	0.77	0	0.00	1,901,103	M	140014
6	Sheath for PC Cable	D30	100*(1+0.06)	m	106.00	118	0.00	0	0.00	1,632,989	M	140074
7	Grout			kg		96	0.00	0	0.00	0	M	140120
Summary										4,178,392		
per	m									41,784		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Transverse PC Cable Installation (PTI-girder) | (450kN, 1S19.3) | Unit: 100 m

Sheet #: PC 515142

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.8	M/day	0.80	0	0.00	146,392	0.00	117,114	L	101000
2	Skilled Labor	Local	1*3.3	M/day	3.30	0	0.00	118,898	0.00	392,363	L	104000
3	Common Labor	Local	1*2.0	M/day	2.20	0	0.00	58,671	0.00	129,076	L	103000
4	Miscellaneous Fee		0.9 % of above							5,747		
										0		
5	PC Cable	450kN Type (1S19.3)	100*(1+0.06)*1.652	kg	175.11	0	0.77	0	0.00	1,901,103	M	140015
6	Sheath for PC Cable	D32	100*(1+0.06)	m	106.00	118	0.00	0	0.00	1,632,989	M	140075
7	Grout			kg		96	0.00	0	0.00	0	M	140120
Summary										4,178,392		
per	m									41,784		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Transverse PC Cable Installation (PTI-girder) | (570kN, 1S21.8) | Unit: 100 m

Sheet #: PC 515143

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.8	M/day	0.80	0	0.00	146,392	0.00	117,114	L	101000
2	Skilled Labor	Local	1*3.3	M/day	3.30	0	0.00	118,898	0.00	392,363	L	104000
3	Common Labor	Local	1*2.0	M/day	2.20	0	0.00	58,671	0.00	129,076	L	103000
4	Miscellaneous Fee		0.9 % of above							5,747		
										0		
5	PC Cable	570kN Type (1S21.8)	100*(1+0.06)*1.652	kg	175.11	0	0.77	0	0.00	1,901,103	M	140016
6	Sheath for PC Cable	D35	100*(1+0.06)	m	106.00	125	0.00	0	0.00	1,729,861	M	140076
7	Grout			kg		96	0.00	0	0.00	0	M	140120
Summary										4,275,264		
per	m									42,753		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Transverse Prestressing Work (PTI-girder) — (390kN, 1S17.8) — Unit: 10 cable

Sheet #: PC 515151

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*0.4	M/day	0.40	0	0.00	146,392	0.00	58,557	L	101000
2	Skilled Labor	Local	1*1.3	M/day	1.30	0	0.00	118,898	0.00	154,567	L	104000
3	Common Labor	Local	1*0.8	M/day	0.80	0	0.00	58,671	0.00	46,937	L	103000
										0		
4	Anchorage of PC Cable (Fixed Side)	1T17.8		nos	10.00	2,440	0.00	0	0.00	3,185,556	M	140034
5	Anchorage of PC Cable (Tensioning Side)	1T17.8		nos	10.00	2,032	0.00	0	0.00	2,652,889	M	140054
Summary										6,098,505		
per	cable									609,851		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Transverse Prestressing Work (PT1-girder) | (450kN, 1S19.3) | Unit: 10 cable

Sheet #: PC 515152

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.4	M/day	0.40	0	0.00	146,392	0.00	58,557	L	101000
2	Skilled Labor	Local	1*1.3	M/day	1.30	0	0.00	118,898	0.00	154,567	L	104000
3	Common Labor	Local	1*0.8	M/day	0.80	0	0.00	58,671	0.00	46,937	L	103000
										0		
4	Anchorage of PC Cable (Fixed Side)	1T19.3		nos	10.00	2,728	0.00	0	0.00	3,561,556	M	140035
5	Anchorage of PC Cable (Tensioning Side)	1T19.3		nos	10.00	2,320	0.00	0	0.00	3,028,889	M	140055
Summary										6,850,505		
per	cable									685,051		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost | Transverse Prestressing Work (PTI-girder) | (570kN, 1S21.8) | Unit: 10 cable | Sheet #: PC 515153

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*0.4	M/day	0.40	0	0.00	146,392	0.00	58,557	L	101000
2	Skilled Labor	Local	1*1.3	M/day	1.30	0	0.00	118,898	0.00	154,567	L	104000
3	Common Labor	Local	1*0.8	M/day	0.80	0	0.00	58,671	0.00	46,937	L	103000
										0		
4	Anchorage of PC Cable (Fixed Side)	1T19.3		nos	10.00	2,728	0.00	0	0.00	3,561,556	M	140035
5	Anchorage of PC Cable (Tensioning Side)	1T19.3		nos	10.00	2,320	0.00	0	0.00	3,028,889	M	140055
Summary										6,850,505		
per	cable									685,051		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Scaffolding Work (PTI-girder) — Unit: 100 m2

Sheet #: PC 515160

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Skilled Labor	Local	1*0.11*100	M/day	11.00	0	0.00	118,898	0.00	1,307,878	L	104000
2	Scaffolding for Election Post Tension I-girder	1.5<H	1*2.0*100	day in demand	200.00	6	0.00	0	0.00	156,667	EL	156000
Summary										1,464,545		
per	m2									14,645		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Precast Panel Production (PTI-girder) — (t=80mm) — Unit: 100 m2

Sheet #: PC 515310

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Concrete Production Class - D	300kgf/cm2	V*(1+K)	m3	8.16	565	0.00	355,059	1.82	3,708,527	PC	211300
2	ConcretePlacing(Plain, RC Structure)	Man Power	V*(1+K)	m3	8.16	0	0.00	23,392	0.00	190,879	PC	223100
3	Curing (Small Structure)	Normal	V	m3	8.00	0	0.00	5,036	0.00	40,288	PC	231300
4	Form Work for Concrete	Small Structure I	A	m2	132.00	0	0.00	26,805	0.00	3,538,260	PC	241210
5	Concrete Transportation	Truck Mixer (0.3km)	V*(1+K)	m3	8.16	159	0.00	4,685	0.00	207,561	PC	251100
6	Rebar Fabrication	D10 - D14		t	13.20	0	0.00	456,771	257.91	54,031,558	PC	201100
Summary										61,717,073		
per	m2									617,171		

REMARKS K=0.02

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Precast Panel Installation (PTI-girder) — Unit: 100 m2

Sheet #: PC 515320

No.	Description	Specification		Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US$)	Local Currency (VND)	Local Currency (US$)			
1	Foreman	Local	1*3.2	M/day	3.20	0	0.00	146,392	0.00	468,454	L	101000
2	Carpenter	Local	1*18.2	M/day	18.20	0	0.00	96,255	0.00	1,751,841	L	112000
3	Common Labor	Local	1*8.6	M/day	8.60	0	0.00	58,671	0.00	504,571	L	103000
4	Miscellaneous Fee		10 % of above							272,487		
5	Truck Crane	20 - 22t	1*1.6	day	1.60	0	0.00	1,558,497	0.00	2,493,595	EL	123000
6	Precast Panel Production	(t=80mm)		m2	100.00	59	0.00	127,343	34.19	61,712,478	PC	413700
Summary										67,203,425		
per	m2									672,034		

REMARKS

1US$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost — Bearing Installation (Fix Side)(PTI-girder) — Unit: 10 nos

Sheet #: PC 516110

No.	Description	Specification		Unit	Quantity	Unit Price: Foreign Currency (JP Yen)	Unit Price: Foreign Currency (US$)	Unit Price: Local Currency (VND)	Unit Price: Local Currency (US$)	COMBINED TOTAL COST (VND)	Remarks	
1	Foreman	Local	1*10/N*1	M/day	1.25	0	0.00	146,392	0.00	182,990	L	101000
2	Skilled Labor	Local	1*10/N*2	M/day	2.50	0	0.00	118,898	0.00	297,245	L	104000
3	Common Labor	Local	1*10/N*2	M/day	2.50	0	0.00	58,671	0.00	146,678	L	103000
	Miscellaneous Fee		1 % of above							6,269		
4	Rubber Shoe (Fix Side)	16*2 (I-Girder)		nos	10.00	0	0.00	0	0.00	0	M	140210
5	Anchor Bolt	SD295		kg		192	0.00	0	0.00	0	M	140310
6	Anchor Cap (Fix Side)	D***		m		0	0.00	0	0.00	0	M	140410
7	Grid Rebar around Shoe			t		0	0.00	3,492,000	0.00	0	M	140511
8	Spiral Hoop	D10*f300-f500		t		0	0.00	3,492,000	0.00	0	M	140521
Summary										633,182		
per	nos									63,318		

REMARKS N=8 (days)