

AFRICAN DEVELOPMENT BANK

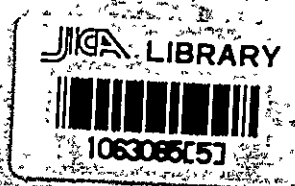
GOVERNMENT OF MAURITIUS

BEAU BASSIN - PORT LOUIS LINK ROAD

REINFORCEMENT SCHEDULE

FOR

SUPERSTRUCTURE OF BRIDGES



SEPTEMBER 1980

Japan International Cooperation Agency



國際協力事業団	
船 584.18.151	45270
登録No. 04539	7684
	RDFE

CONTENTS

page

§§ 1. LINK ROAD Br.

§ 1. PC T-GIRDER ----- .1

 1. G.R.N.W. and St. L.Ri ----- 2

§§ 2 RAMP-WAY Br.

§ 1. RC VOIDED SLAB ----- 6

 1. Mwy Jn B-Rp ----- 7

 2. Mwy Jn G-Rp ----- 14

 3. Cor Int E-Rp ----- 19

 4. Cor Int F-Rp ----- 22

§ 2. RC SOLID SLAB ----- 25

 1. Mwy Jn B-Rp ----- 25

 2. Mwy Jn G-Rp ----- 27

 3. Cor Int E-Rp ----- 28

 4. Cor Int F-Rp ----- 30

§§ 3. OVER Br.

§ 1. PC T-GIRDER ----- 32

 1. PAILLES ----- 33

 2. AI-Rd ----- 37

 3. Cor Int H-Rp ----- 41

 4. Cor ----- 45

§ 2. RC VOIDED SLAB ----- 49

 1. STA 22 ----- 49

	page
§3 R.C. SOLID SLAB -----	52
1. PAILLE'S -----	52
2. A1-Rd -----	57
3. Cor -----	56
4. STA 22 -----	58
§§4. PEDESTRIAN Br.	
§1. RC BOX GIRDER -----	60
1. Hin TEMPLE -----	61
2. B. B -----	67
§§5. AQUE DUCT	
§1. PC U-GIRDER -----	67
1. STA 22 -----	68
2. STA 57. -----	70.
§§6. MOTORWAY. JUNCTION	
§1. PC T-GIRDER -----	72
1. A. B - Le L = 29.2 -----	73
2 " L = 33.2 -----	77
3 " L = 20.5 -----	81
4 " L = 26.8 -----	85
5 E-Rp L = 33.2 -----	89
6 " L = 20.2 -----	93
7 " L = 29.2 -----	97

	page
§2 RC VOIDED SLAB -----	101
1. A - Le 3 Br -----	101
2. B - Le 3 Br -----	105

§§ 1 LINK ROAD Br.

§ 1 PC T-GIRDER

1 G.R.N.W. and S.L.R





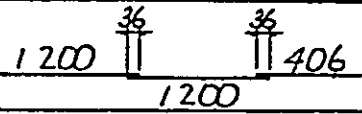
Note: * : inner girder

☆ : edge girder

GIRDER

BAR MARK	TYPE - SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg/m) WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
G 1	φ12	3.59	58	208.22	0.888	185	
2	"	3.82	66	252.12	"	224	
3	"	4.05	10	40.50	"	36	
4	"	2.75	58	159.50	"	142	
5	"	2.65	66	174.90	"	155	
6-1	"	2.38	6	14.28	"	13	
6-2	"	2.64	6	15.84	"	14	
6-3	"	2.50	6	15.00	"	13	
7	"	28.06	28	785.68	"	698	
8	"	3.21	130	417.30	"	371	
9	"	0.82	188 * 376 *	154.16 * 308.32 *	"	137 * 274 *	
10	"	1.00	40	40.00	"	36 *	
11	"	1.45	40	58.00	"	52 *	
12	"	1.07	94	100.58	"	89 *	

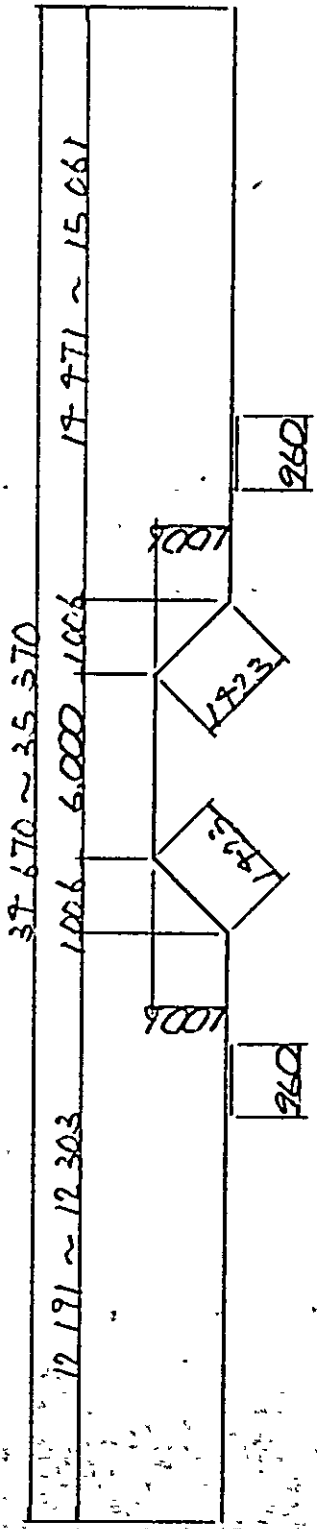
CROSS BEAM and SLAB

BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg) /m	TOTAL (kg) WEIGHT	SHAPE (cm).
C 1	φ12	1.46	160	233.60	0.888	207	<u>146</u>
2	"	3.57	24	85.68	"	76	
3	"	3.07	32	98.24	"	87	
4	"	3.26	24	78.24	"	69	
5	"	2.76	32	88.32	"	78	
S 1	φ12	28.06	24	673.44	0.888	598	
				Total		1115 kg	

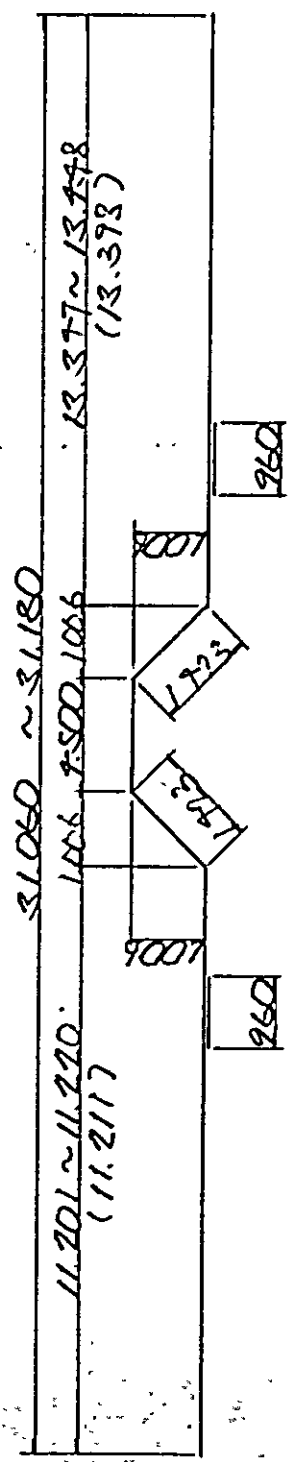
§§ 2 RAMP-WAY Br

§ 1 R C VOIDED Br

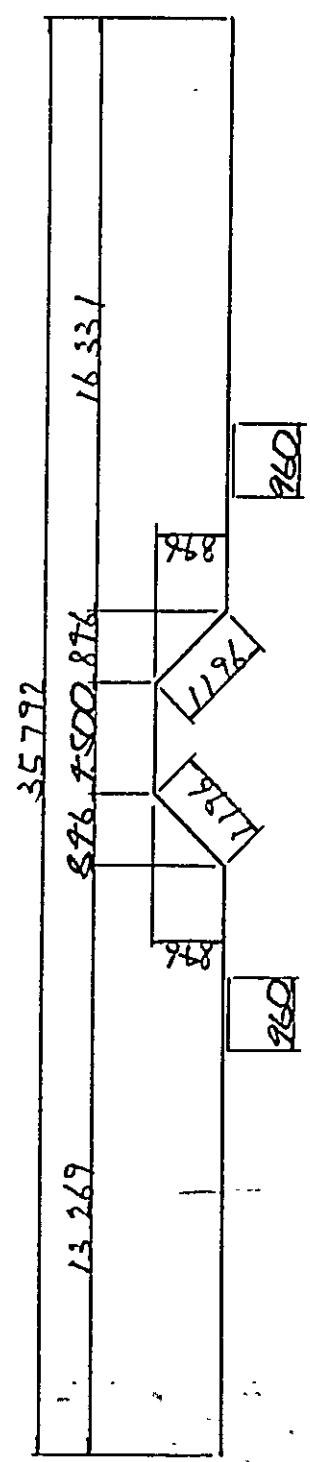
1 Mwy. Jn. B-Rp Br



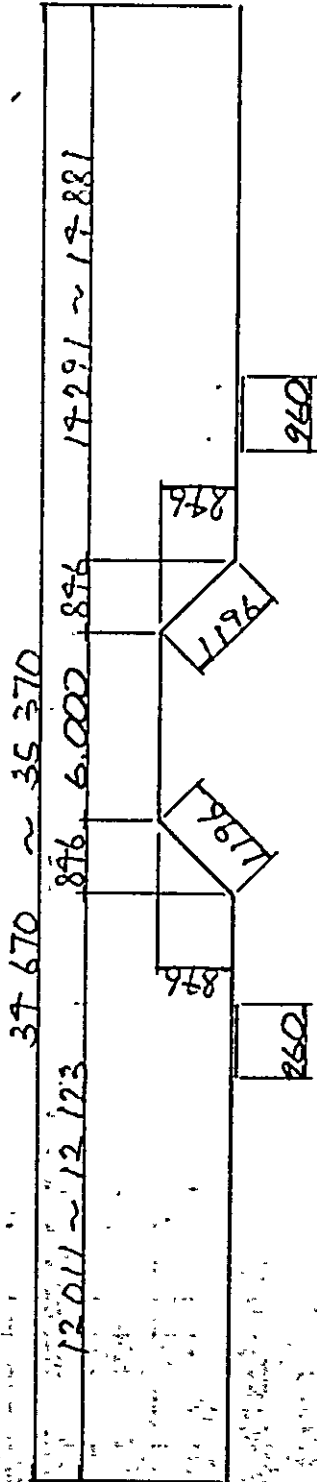
5- $\bar{\phi}$ 32 x 37.770 (MEAN)



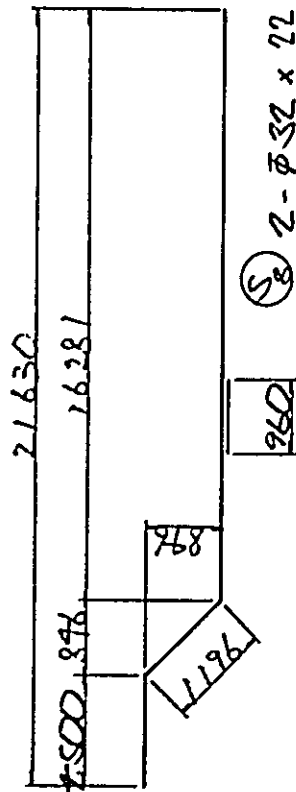
5- $\bar{\phi}$ 32 x 31.950 (MEAN)



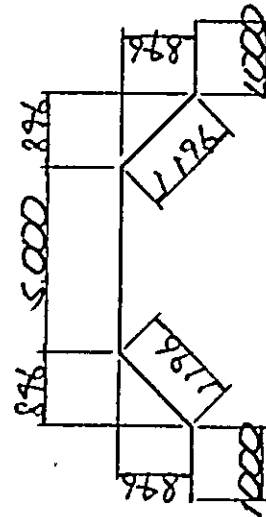
5- $\bar{\phi}$ 32 x 36.790



⑤ 7 - $\bar{\phi} 32 \times 35 720$ (MEAN)



⑤ 2 - $\bar{\phi} 32 \times 22 970$ (MEAN)



⑤ 7 - $\bar{\phi} 32 \times 9 390$

$\$5,910 \sim \$6,140$ ($\$4,170 \sim \$4,390$)	
$15,000 (14,000)$	$7,110 \sim 7,390$ ($7,370 \sim 7,590$)
$15,000 (14,000)$	$15,000 (14,000)$

$(\frac{5}{15}) 20 - \bar{\Phi} 20 \times 15,000$ $(\frac{5}{15}) 10 - \bar{\Phi} 16 \times 7,230$ (MEAN) $(\frac{5}{15}) \bar{\Phi} 20 \times 15,000$
 $(\frac{5}{15}) 20 - \bar{\Phi} 20 \times 14,000$ $(\frac{5}{15}) 10 - \bar{\Phi} 16 \times 7,480$ (MEAN) $(\frac{5}{15}) \bar{\Phi} 20 \times 14,000$

$\$4,170 \sim \$4,360$ ($\$5,950 \sim \$6,140$)	
$11,000 (12,000)$	$13,670 \sim 13,860$ ($13,450 \sim 13,690$)
$11,000 (12,000)$	$11,000 (12,000)$

$(\frac{5}{15}) 18 - \bar{\Phi} 16 \times 11,000$ $(\frac{5}{15}) 9 - \bar{\Phi} 25 \times 13,770$ (MEAN) $(\frac{5}{15}) \bar{\Phi} 16 \times 11,000$
 $(\frac{5}{15}) 18 - \bar{\Phi} 16 \times 12,000$ $(\frac{5}{15}) 9 - \bar{\Phi} 25 \times 13,550$ (MEAN) $(\frac{5}{15}) \bar{\Phi} 16 \times 12,000$

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S1	32	39.09 (MEAN)	20	781.80	6.31	4933	
2	"	37.07 (MEAN)	23	852.61	"	5380	
3	"	37.77 (MEAN)	8	302.16	"	1907	
4	"	31.95 (MEAN)	3	95.85	"	605	
5	"	36.49	1	36.49	"	230	
6	"	37.66 (MEAN)	3	112.98	"	713	
7	"	35.72 (MEAN)	4	142.88	"	902	
8	"	22.94 (MEAN)	2	45.88	"	290	
9	—	—	—	—	—	—	—
10	32	8.50	1	8.50	6.31	54	
11	"	10.00	8	80.00	"	505	
12	"	9.00	7	63.00	"	398	
13	"	9.39	7	65.73	"	415	
14	16	36.20 (MEAN)	24	868.80	1.58	1373	
15-1	20	15.00	20	300.00	2.47	741	

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S15-2	16	7.23 (MEAN)	10	72.30	1.58	114	<u>723</u>
16-1	20	14.00	20	280.00	2.47	692	<u>1400</u>
16-2	16	7.48	10	74.80	1.58	118	<u>748</u>
17-1	"	11.00	18	198.00	"	313	<u>1100</u>
17-2	25	13.77 (MEAN)	9	123.93	3.85	477	<u>1377</u>
18-1	16	12.00	18	216.00	1.58	341	<u>1200</u>
18-2	25	13.55 (MEAN)	9	121.95	3.85	470	<u>1355</u>
19	12	34.94 (MEAN)	4	139.76	0.888	124	$\frac{36 \quad 36}{3417 \sim 3426}$
20	"	36.82 (MEAN)	4	147.28	"	131	$\frac{36 \quad 36}{3605 \sim 3614}$
21	16	9.89	245	2423.05	1.58	3828	$\begin{array}{c} 100 \\ \\ 789 \\ \\ 100 \end{array}$
22	"	10.40	237	2464.80	"	3894	$\begin{array}{c} 10 \\ \\ 1020 \\ \\ 10 \end{array}$
23	12	2.47	273	674.31	0.888	599	$\begin{array}{c} 24 \\ \\ 213 \\ \\ 10 \end{array}$
24	"	1.26	293	369.18	"	328	$\begin{array}{c} 50 \\ \\ 43 \\ \\ 43 \end{array}$
25	16	10.76	21	225.96	1.58	357	$\begin{array}{c} 100 \\ \\ 876 \\ \\ 100 \end{array}$
26	"	11.52	21	241.92	"	387	$\begin{array}{c} 10 \\ \\ 1132 \\ \\ 10 \end{array}$

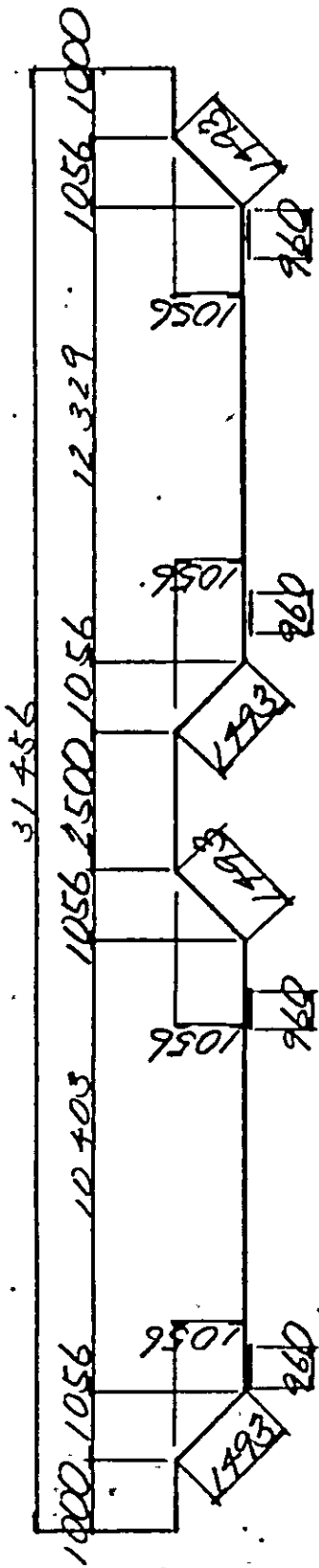
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S 27	16	3.25	165	536.25	1.58	847	
28	"	2.65	165	437.25	"	691	
29	12	3.25	187	591.50	0.888	525	
30	"	2.65	187	482.30	"	428	
31	20	3.25	33	107.25	2.47	265	
32	"	2.65	33	87.95	"	216	
33	12	3.31	694	2297.14	0.888	2040	
34	"	2.95	180	531.00	"	472	
35-1	16	7.20	5	36.00	1.58	57	
35-2	"	7.45	5	37.25	"	59	
36-1	"	7.85	5	39.25	"	62	
36-2	"	8.10	5	40.50	"	64	
37-1	"	6.60	9	59.40	"	94	
37-2	"	6.85	9	61.65	"	97	
38-1	"	5.35	9	48.15	"	76	

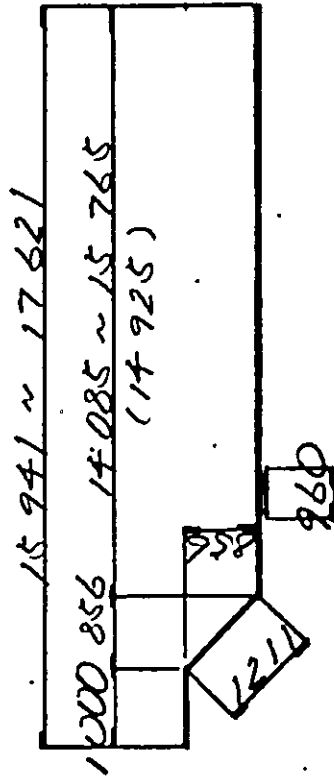
BAR SCHEDULE

Ear mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S38-2	16	5.65	9	50.85	1.58	80	10-550
39-1	"	7.10	9	36.90	"	58	100-310
39-2	"	7.35	9	39.15	"	62	10-425
40-1	"	2.85	10	28.50	"	45	100-185
40-2	"	3.10	10	31.00	"	49	10-300
41-1	"	1.85	10	18.50	"	29	100-85
41-2	"	2.10	10	21.00	"	33	10-200
42	20	10.02	13	130.26	2.47	327	100-302
43	"	10.56	13	137.28	"	339	10-1036
44	12	2.90 (MEAN)	20	58.00	0.888	52	10-216-295
45	20	12.96	13	168.48	2.47	416	100-1096
46	"	14.38	13	186.94	"	462	10-1418
						Φ 12	4 699 18
						Φ 16	13 123 "
						Φ 20	3 463 "
						Φ 25	9 47 "
						Φ 32	16 332 "
						TOTAL	38 569 18

2 Mwy. Jn. G-Rp Br.

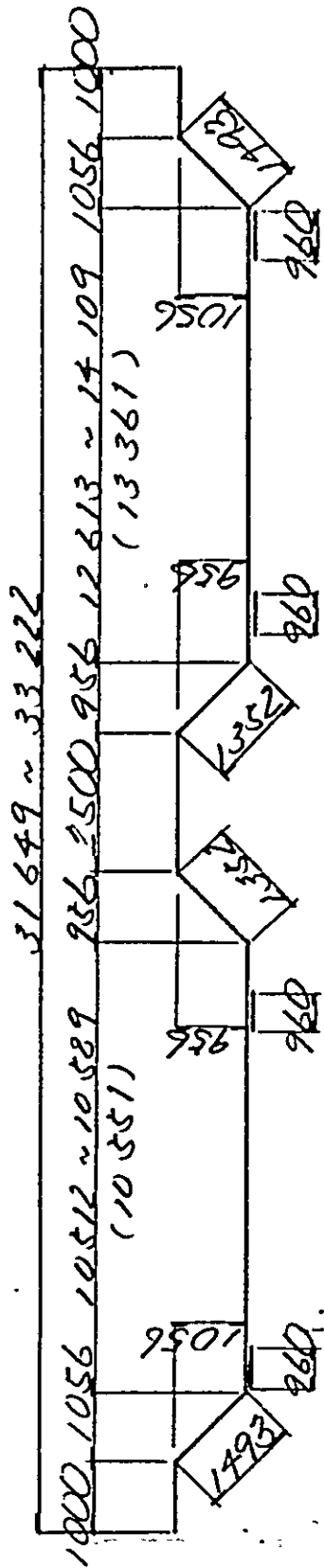


⑤ 1 - 932 * 37040

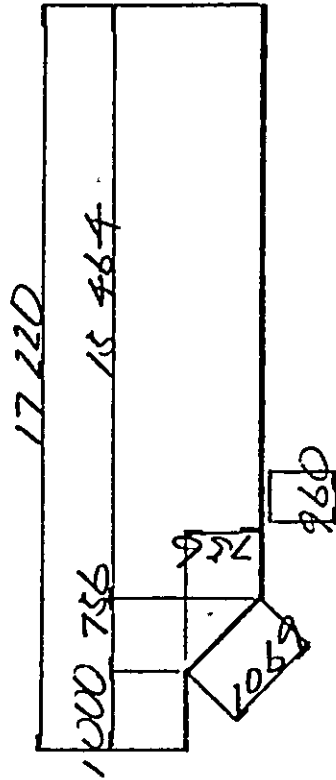


⑥ 8 - 932 * 18100 (MEAN)

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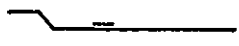
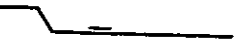




(54) 12 - 932 * 37940 (MEAN)



(53) 1 - 932 * 18490

BAR SCHEDULE

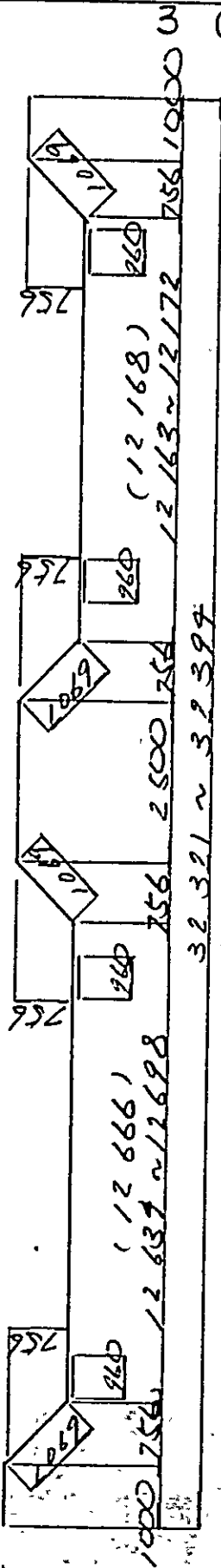
Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S1	32	37.34 (MEAN)	21	784.14	6.31	4948	$\frac{106}{3146} \begin{array}{c} 96 \ 96 \ 96 \\ \sim 3322 \end{array} \frac{106}{}$
S2	32	18.10 (MEAN)	8	144.80	"	914	
S3	32	18.49 (MEAN)	1	18.49	"	117	
S4	32	37.94 (MEAN)	12	455.28	"	2873	
S5	32	37.04	1	37.04	"	234	
S6	32	8.00	26	208.00	"	1312	<u>800</u>
S7	32	34.28 (MEAN)	21	719.88	"	4542	$\frac{96 \ 96}{3149 \sim 3322}$
S8	16	33.40 (MEAN)	52	1736.80	1.58	2744	$\frac{52 \ 52}{3149 \sim 3322}$
S9	12	32.88 (MEAN)	8	263.04	0.888	234	$\frac{35 \ 35}{3143 \sim 3293}$
S10-1	12	9.38	223	2091.74	"	1857	$\frac{2 \ 890 \ 2}{}$
S10-2	12	11.10	223	2475.30	"	2198	$\frac{110 \ 890 \ 110}{}$
S11-1	12	6.84	4	27.36	"	24	$\frac{660}{}$
S11-2	12	7.70	4	30.80	"	27	$\frac{660 \ 110}{}$
S12-1	12	6.94	12	83.28	"	74	$\frac{670 \ 24}{}$
S12-2	12	7.80	12	93.60	"	83	$\frac{670 \ 110}{}$

BAR SCHEDULE

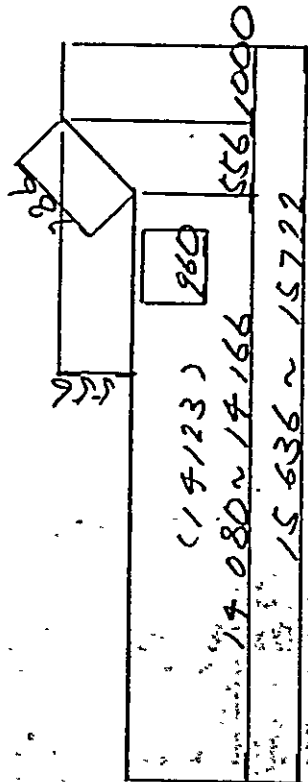
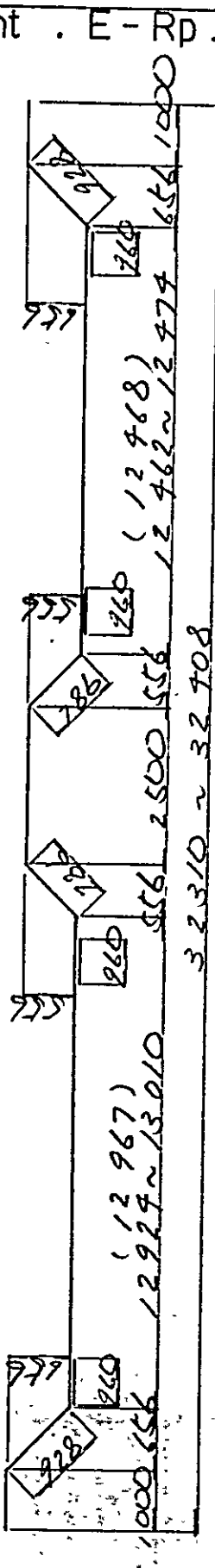
Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S13-1	12	5.34	10	53.40	0.888	47	$\frac{510}{24}$
S13-2	12	6.20	10	62.00	"	55	$\frac{510}{110}$
S14-1	12	3.94	10	39.40	"	35	$\frac{370}{24}$
S14-2	12	4.80	10	48.00	"	43	$\frac{370}{110}$
S15-1	12	3.24	6	19.44	"	17	$\frac{300}{24}$
S15-2	12	4.10	6	24.60	"	22	$\frac{300}{110}$
S16-1	12	2.24	10	22.40	"	20	$\frac{200}{24}$
S16-2	12	3.10	10	31.00	"	28	$\frac{200}{110}$
S17-1	20	9.67	13	125.71	2.77	311	$\frac{919}{24}$
S17-2	"	11.39	13	148.07	"	366	$\frac{919}{110}$
S18-1	12	9.65	21	202.65	"	180	$\frac{917}{24}$
S18-2	12	11.37	21	238.77	"	212	$\frac{917}{110}$
S19-1	20	12.73	13	165.49	2.77	409	$\frac{1180}{24}$
S19-2	"	14.45	13	187.85	"	469	$\frac{1180}{110}$
S 20	12	1.40	260	364.00	"	323	$\frac{78}{24}$

Cor. Int. E-Rp.Br.

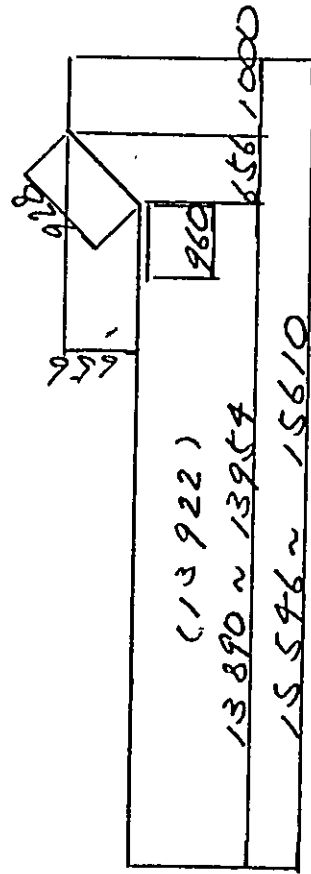
③ 17 - $\bar{\Phi}32 \times 37 \text{ 460 (MEAN)}$



④ 2 - $\bar{\Phi}32 \times 37 \text{ 200 (MEAN)}$

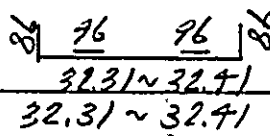

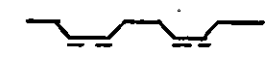
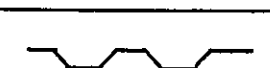
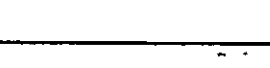
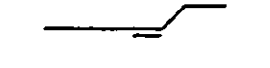
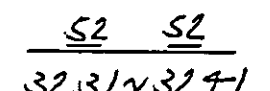
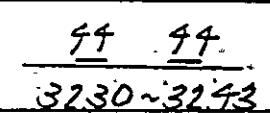
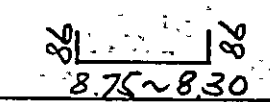
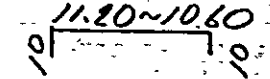


⑤ 2 - $\bar{\Phi}32 \times 16 \text{ 870 (MEAN)}$

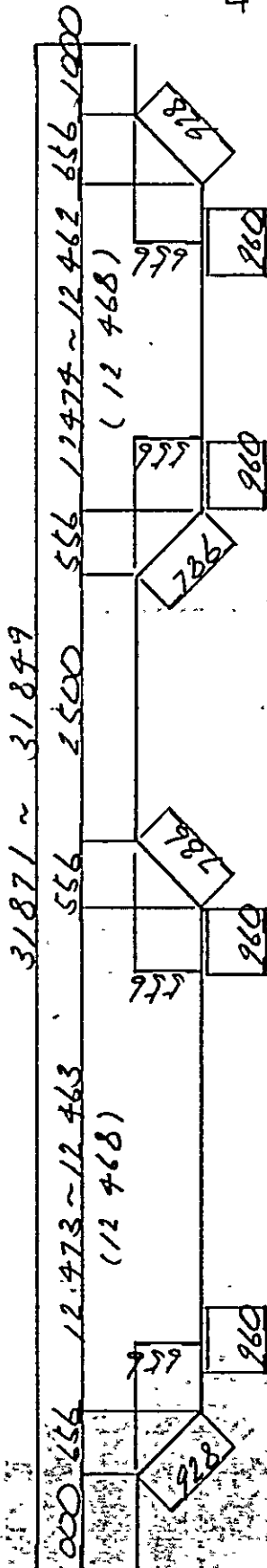


⑥ 7 - $\bar{\Phi}32 \times 16 \text{ 810 (MEAN)}$

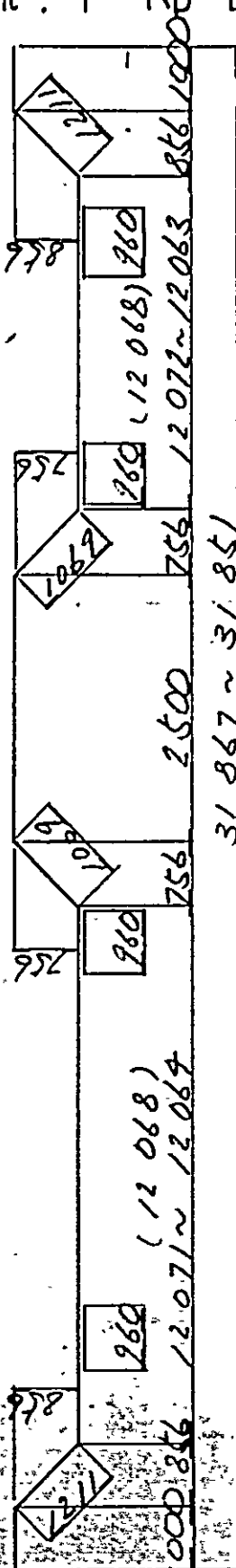
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S 1	32	36.00 (MEAN)	27	972.00	6.31	6133	
S 2	32	34.28 (MEAN)	27	925.56	"	5840	
S 3	32	37.45 (MEAN)	14	524.30	"	3308	
S 4	32	37.20 (MEAN)	2	74.40	"	469	
S 5	32	16.81 (MEAN)	7	117.67	"	742	
S 6	32	16.87 (MEAN)	2	33.74	"	113	
S 7	32	8.00	31	248.00	"	1565	<u>8.00</u>
S 8	16	33.40 (MEAN)	36	1202.40	1.58	1900	
S 9	25	9.00	9	81.00	3.85	312	<u>9.00</u>
S 10	20	4.50	20	90.00	2.47	222	<u>4.50</u>
S 11	16	9.00	10	90.00	1.58	142	<u>9.00</u>
S 12	16	4.50	18	81.00	"	128	<u>4.50</u>
S 13	12	33.25	8	266.00	0.888	236	
S 14	12	10.26 (MEAN)	255	2613.75	"	2321	
S 15	12	11.10 (MEAN)	255	2830.50	"	2513	

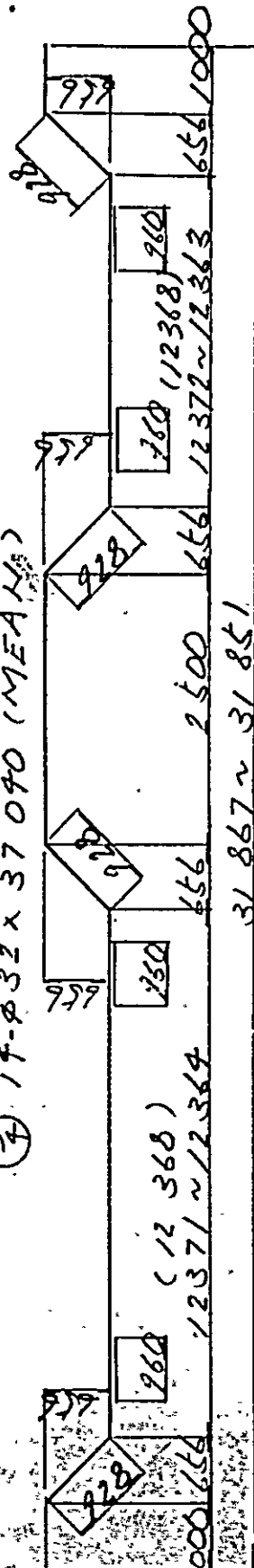
4 Cor. Int. F-R Br.



53 2 - $\bar{\phi}32 \times 36700$ (MEAN)

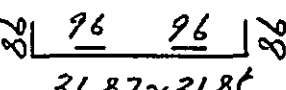
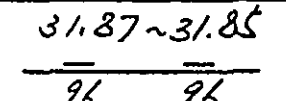
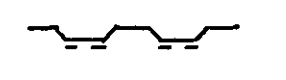
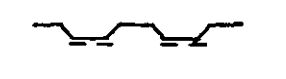
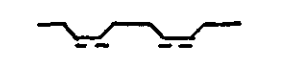
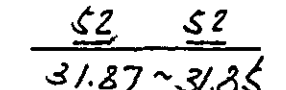
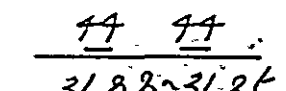
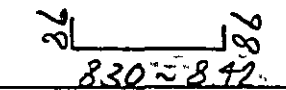
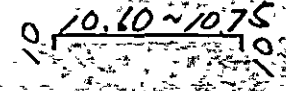
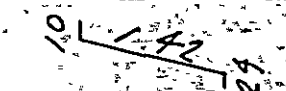


54 1F - $\bar{\phi}32 \times 37040$ (MEAN)



55 1F - $\bar{\phi}32 \times 36900$ (MEAN)

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kr/m)	Total weight (kr)	Shape (cm)
S 1	32	35.50 (MEAN)	27	958.50	6.31	6048	
S 2	32	33.78 (MEAN)	27	912.06	"	5755	
S 3	32	36.70 (MEAN)	2	73.40	"	463	
S 4	32	37.04 (MEAN)	14	518.56	"	3272	
S 5	32	36.90 (MEAN)	7	258.30	"	1630	
S 6	32	8.00	45	360.00	"	2272	<u>8.00</u>
S 7	16	32.90 (MEAN)	36	1184.40	1.58	1871	
S 8	25	9.00	9	81.00	3.85	312	<u>9.00</u>
S 9	20	4.50	20	90.00	2.47	222	<u>4.50</u>
S 10	16	9.00	10	90.00	1.58	142	<u>9.00</u>
S 11	16	4.50	18	81.00	"	128	<u>4.50</u>
S 12	12	32.75	8	262.00	0.888	233	
S 13	12	10.08 (MEAN)	255	2570.40	"	2283	
S 14	12	10.08 (MEAN)	255	2774.40	"	2464	
S 15	12	1.76	258	454.08	"	403	

S2 SOLID SLAB

1 Mwy. Jn. B - Rp. Br


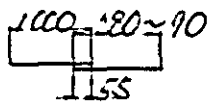
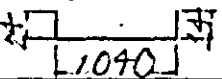
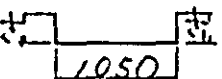
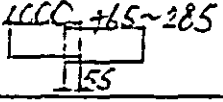
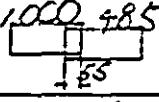

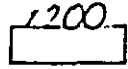
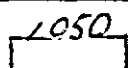
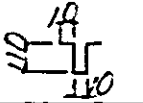
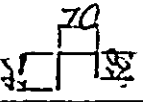
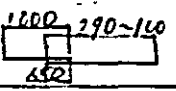

BAR SCHEDULE

①

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S							6.90
1	Φ15	6.90	55	379.5	3.854	1463	
13-1	Φ16	6.90	71	489.9	1.579	774	"
14	Φ12	8.10	47	380.7	0.888	338	
15	"	10.36	47	481.92	"	431	1036
16	"	1.80	48	36.4	"	77	
17	"	6.90	18	124.2	"	110	690
18	"	2.50	48	120.0	"	107	
19	"	1.30	48	62.4	"	55	
13-2	Φ20	6.90	13	129.2	2.466	306	690
S ^o							
2	Φ12	1.38	300	417.0	0.888	368	
				Φ25		1463 ^{kg}	
				Φ20		306 ["]	
				Φ16		774 ["]	
				Φ12		1487 ["]	
				Σ		7030 ^{kg}	

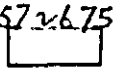
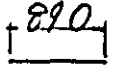
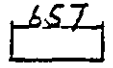
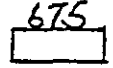

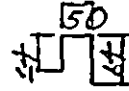
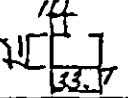
BAR SCHEDULE

②

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S							
1	Φ32	12.40	55	682.0	6.313	4305	
2-1	Φ16	11.85	71	841.35	1.579	1328	
3	"	10.88	63	685.44	"	1082	
4	"	10.98	19	208.62	"	329	
5	"	13.75	63	866.25	"	1368	
6	"	14.85	19	282.15	"	446	
7	Φ12	1.80	78	140.4	0.888	125	
8	"	12.00	5	60.0	"	53	
9	"	10.50	5	52.5	"	47	
10	"	1.50	78	117.0	"	173	
11	"	1.50	78	117.0	"	104	
2-2	Φ20	11.95	12	215.1	2.466	530	
S ^o							
1	Φ12	2.19	512	1121.28	0.888	996	
					Φ32	7305	
					Φ20	530	
					Φ16	4553	
					Φ12	1798	
					Σ	10886.7	

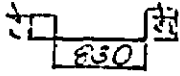



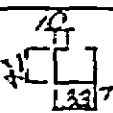
2 Mwy. Jn. G-Rp. Br

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S							657 x 675 
1	Φ25	6.66	61	406.26	3.854	1566	
2	Φ16	6.66	61	406.26	1.579	641	"
3	Φ12	8.90	46	409.40	0.888	364	890 
4	"	8.90	46	409.40	"	364	"
5-1	"	6.57	9	59.13	"	53	657 
5-2	"	6.75	9	60.75	"	54	675 
6	"	2.73	48	131.04	"	116	
7	"	1.38	48	66.24	"	59	
						3217 ^{kg}	
S ^o							
1	Φ12	1.38	304 297	409.86	0.888	364	

BAR SCHEDULE

②

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S							690
1	Φ25	6.90	57	393.3	3.854	1516	
2-1	Φ16	6.90	73	503.7	1.579	795	"
3	Φ12	8.78	47	412.66	0.888	366	
4	"	10.60	47	498.2	"	442	1060
5	"	1.75	48	84.0	"	75	
6	"	6.90	17	96.6	"	86	690
7	"	2.10	48	100.8	"	90	
8	"	1.25	48	60.0	"	53	
2-2	Φ20	6.90	16	110.4	2.466	272	
S ^c							10
1	Φ12	1.38	299	412.63	0.888	366	
						kg	
						4061	

Subtotal 4061 kg

§§ 3 OVER Br

§ 1 P C T - GIRDER

1 PAILLES

Note: * : inner girder
 ☆ : edge girder

BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg/m) WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
G 1	φ16	3.19	48	153.12	1.58	242	
2	'	3.43	64	219.52	'	347	
3	'	3.67	10	36.70	'	58	
4	φ12	2.77	48	132.96	0.888	118	
5	'	2.67	64	170.88	'	152	
6-1	φ16	2.26	6	13.56	1.58	21	
6-2	'	2.52	6	15.12	'	24	
6-3	'	2.46	6	14.76	'	23	
7	φ12	21.30	28	596.30	0.888	530	
8	'	3.32	118	391.76	'	348	
9	'	0.77	144* 288*	110.88* 221.76*	'	98* 197*	
10	'	1.00	32	32.00	'	28*	
11	'	1.45	32	46.40	'	41*	
12	'	1.07	72	77.04	'	68* (R)	

2 A1 - LOAD

Note: * : inner girder
 ☆ : edge girder

BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg/m) WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
G 1	φ16	3.14	48	153.12	1.58	242	
2	'	3.43	64	219.52	'	347	
3	'	3.66	10	36.60	'	58	
4	φ12	2.74	48	131.52	0.8338	117	
5	'	2.65	64	169.60	'	151	
6-1	φ16	2.24	6	13.44	1.38	21	
6-2	'	2.50	6	15.00	'	24	
6-3	'	2.44	6	14.64	'	23	
7	φ12	21.30	28	596.40	0.888	530	
8	'	3.28	118	327.04	'	344	
9	'	0.83	144* 288*	119.52* 239.04*	'	106* 212*	
10	'	1.00	28	32.00	'	28*	
11	'	1.45	32	46.40	'	41*	
12	'	1.07	72	77.04	'	68* (L)	

3 C-H-RAMP









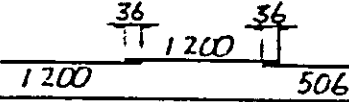
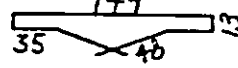
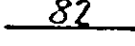
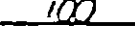
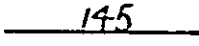

Note: * : inner girder
 ☆ : edge girder

BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg/m) WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
G 1	Φ12	21.30	28	596.40	0.888	530	
2	"	2.99	36	107.64	"	96	
3	"	3.14	64	200.96	"	178	
4	"	3.29	10	32.90	"	29	
5	"	1.99	36	73.63	"	63	
6	"	1.93	64	123.52	"	110	
7-1	"	1.88	6	11.28	"	10	
7-2	"	2.14	6	12.84	"	11	
7-3	"	1.90	6	11.40	"	10	
8	"	3.21	106	340.26	"	302	
9	"	0.52	144* 288*	74.88* 149.76	"	6* 13*	
10	"	0.85	32	27.20	"	24*	
11	"	1.25	32	40.00	"	36*	
12	"	1.10	72	79.20	"	70*	

4 COROMANDEL

Note: * : inner girder

☆ : edge girder

BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg) /m WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
G 1	φ16	3.59	76	272.84	1.58	431	
2	'	3.84	66	253.44	'	400	
3	'	4.09	10	40.90	'	65	
4	φ12	2.79	76	212.04	0.855	188	
5	'	2.69	66	177.54	'	158	
6-1	φ16	2.46	6	14.76	1.58	23	
6-2	'	2.72	6	16.32	'	26	
6-3	'	2.58	6	15.48	'	24	
7	φ12	29.06	28	813.68	0.888	723	
8	'	3.41	148	504.68	'	448	
9	'	0.82	196 * 392 *	160.72 * 321.44 *	'	143 * 285 *	
10	'	1.00	40	40.00	'	36 *	
11	'	1.45	40	58.00	'	52 *	
12	'	1.09	98	106.82	'	95 * (L)	

BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg/m) WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
G 13	φ 12	0.55	98	53.90	0.888	48*	(R) 5 8
		Total		inner girder		2 823 kg	
				edge girder (L)		2 760 kg	
				edge girder (R)		2 713 kg	

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BAR MARK	TYPE SIZE	LENGTH (m) + LAPS	NO	TOTAL (m) LENGTH	UNIT (kg/m) WEIGHT	TOTAL (kg) WEIGHT	SHAPE (cm)
K 1.	Φ 12	29.06	9	261.54	0.888	232	
2		1.20	98	117.60	0.888	104.	
3	'	1.16	98	113.68	0.888	101	
				Total		437 ^{kg}	

Date: _____

S2 RC VOIDED SLAB

STA. 22 Ov..Br

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
1	Φ32	37.21	37	1113.17	6.31	7339	
2	"	12.11	6	72.66	"	459	
3	Φ12	32.48	16	519.68	0.222	761	
4	Φ32	36.60	2	73.20	6.31	462	
5	"	36.60	2	73.20	"	462	
6	"	36.73	6	220.38	"	1391	
7	"	36.66	3	109.98	"	694	
8	Φ16	6.62	210	1390.20	1.58	2197	
9	Φ12	4.99	210	1047.90	0.222	931	
10	"	1.55	210	325.50	"	289	
11	Φ25	10.84	12	130.08	3.85	501	
12	"	9.84	12	118.08	"	455	
13	"	12.00	10	120.00	"	462	

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
S 17	Φ16	10.84	12	130.08	1.58	206	
15	"	9.84	8	78.72	"	124	
16	"	12.00	12	144.00	"	228	
17	Φ12	32.48	6	194.88	0.888	173	
18	Φ16	1.51	32	48.32	1.58	76	
19	"	1.25	20	25.00	"	40	
20	Φ12	1.59	10	33.90	0.888	297	
21	Φ25	4.00	10	40.00	3.85	154	
22	Φ32	4.00	4	16.00	6.31	101	"
			Φ32	10	903		
			Φ25	1	572		
			Φ16	2	871		
			Φ12	2	151		
			total	17	797	188	

§§ 4 PEDESTRIAN Br

§ 1 RC BOX GIRDER

1 Hin. TEMPLE. Ped. Br

Bar mark	Type Size	length -laps (m)	NO	TOTAL length (m)	Unit Weight (kg/m)	TOTAL Weight (kg)	Shape (cm)
1	φ32	5.49	8	43.92	6.31	277	96 $\overline{453}$
2	"	10.00	8	80.00	"	505	$\overline{1000}$
3	"	12.00	4	48.00	"	303	$\overline{1200}$
4	"	6.00	6	36.00	"	227	$\overline{600}$
5	"	5.92	4	23.68	"	149	125 $\overline{126}$ 341
6	"	5.52	4	22.08	"	139	96 $\overline{225}$ $\overline{135}$ 95
7	"	4.95	8	39.60	"	250	90 $\overline{455}$
8	"	5.95	8	47.60	"	300	90 $\overline{555}$
9	"	11.00	20	220.00	"	1388	$\overline{1100}$
10	"	10.60	4	42.40	"	268	$\overline{1060}$
11	"	8.60	4	34.40	"	217	$\overline{860}$
12	"	8.62	2	17.24	"	109	95 $\overline{400}$ $\overline{135}$ 95
13	"	9.34	2	18.68	"	118	95 $\overline{200}$ $\overline{126}$ 241

2 B. B. Ped. Br

Bar Mark	Type Size	length laps (m)	NO	TOTAL length (m)	Unit Weight (Kg)	TOTAL Weight (Kg)	Shape (cm)
1	Ø 32	6.20	8	49.60	6.31	313	
2	"	10.00	4	40.00	"	252	
3	"	6.73	2	13.46	"	85	
4	"	5.73	2	11.46	"	72	
5	"	4.77	2	9.54	"	60	
6	"	5.77	2	11.54	"	73	
7	"	11.00	14	154.00	"	972	
8	"	5.80	5	29.00	"	183	
9	"	4.80	5	24.00	"	151	
1	Ø 12	3.02	89	268.78	0.888	239	
2	"	0.58	154	89.32	"	79	
3	"	3.25	77	250.25	"	222	
4	"	1.33	67	89.11	"	79	

Bar MARK	Type Size	length - laps (m)	NO	TOTAL length (m)	Unit Weight (kg/m)	TOTAL Weight (kg)	Shape (cm)
			Φ32			2161	Φ
			Φ12			1773	
			TOTAL			3934	Φ

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

§§ 5 AQUEDUCT.

§ 1 P C U - GIRDER

1 STA 22 AQUEDUCT
BAR SCHEDULE

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|--------------------------|
| S 1 | 12 | 3.16 | 121 | 382.36 | 0.888 | 340 | 102
112
102 |
| 2 | " | 1.32 | 121 | 159.72 | " | 142 | 10
12
10 |
| 3 | " | 1.22 | 476 | 580.72 | " | 516 | 10
10
10 |
| 4 | " | 1.11 | 221 | 268.62 | " | 239 | 9
12
10
10 |
| 5 | " | 3.36 | 47 | 157.92 | " | 140 | 102
132
102 |
| 6 | " | 1.52 | 47 | 71.94 | " | 63 | 10
12
10 |
| 7 | " | 1.00 | 94 | 94.00 | " | 83 | 9
12
10
10 |
| 8 | " | 3.26 (MEAN) | 70 | 228.20 | " | 203 | 102
112
132
102 |
| 9 | " | 1.42 (MEAN) | 70 | 99.40 | " | 88 | 10
12
10
10 |
| 10 | " | 1.06 (MEAN) | 190 | 198.40 | " | 182 | 9
12
10
10 |
| 11 | " | 52.28 | 38 | 1986.64 | " | 1764 | 36 36 36
5120 |
| 12 | " | 7.25 | 12 | 87.00 | " | 77 | 375 350 |
| 13 | " | 8.00 | 6 | 48.00 | " | 43 | 350 100 350 |
| 14 | " | 1.32 | 112 | 147.84 | " | 131 | 132 |
| 15 | " | 0.22 | 147 | 31.68 | " | 28 | 22 |

BAR SCHEDULE

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|--------------------|------------|
| S 16 | 12 | 0.52 | 6 | 3.12 | 0.888 | 3 | <u>52</u> |
| 17 | " | 0.92 | 6 | 5.52 | " | 5 | <u>92</u> |
| | | | | | | | |
| | | | | TOTAL | | 3997 ^{kg} | |
| | | | | | | | |
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Sd/-

2 STA 57
BAR SCHEDULE

| Ear mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|---------------------------------|
| 5 1 | 12 | 3.96 | 186 | 736.56 | 0.888 | 654 | 112
112
112 |
| 2 | " | 1.32 | 186 | 245.52 | " | 218 | 10
112
10 |
| 3 | " | 1.62 | 602 | 975.24 | " | 866 | 10
10
112 |
| 4 | " | 1.11 | 377 | 417.92 | " | 367 | 9
112
10
10
10 |
| 5 | " | 4.16 | 37 | 153.92 | " | 137 | 112
132
112 |
| 6 | " | 1.52 | 37 | 56.24 | " | 50 | 10
132
10 |
| 7 | " | 1.00 | 74 | 74.00 | " | 66 | 9
112
10
10 |
| 8 | " | 4.06 (MEAN) | 78 | 316.68 | " | 281 | 112
112
112
112
112 |
| 9 | " | 1.42 (MEAN) | 78 | 110.76 | " | 98 | 112
10
112
10 |
| 10 | " | 1.06 (MEAN) | 156 | 165.36 | " | 147 | 9
112
10
10
10 |
| 11 | " | 66.34 | 46 | 3051.64 | " | 2710 | 36 36 36 36
6490 |
| 12 | " | 5.95 | 16 | 95.20 | " | 85 | 295 350 |
| 13 | " | 8.00 | 8 | 64.00 | " | 57 | 350 100 350 |
| 14 | " | 1.32 | 136 | 179.52 | " | 159 | 132 |
| 15 | " | 0.270 | 186 | 50.92 | " | 36 | 22 |

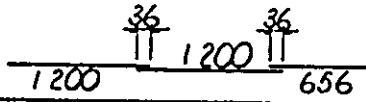

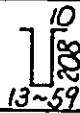

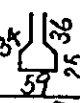




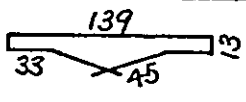
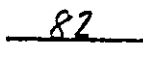
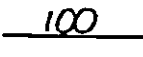
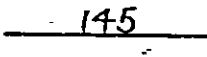
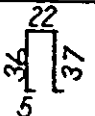
200 500
1000 2000

§§ 6 MOTORWAY JUNCTION

§ 1 PC T-GIRDER

1 A B - LINE L = 29.2

Note: * : inner girder
 ☆ : edge girder

| BAR MARK | TYPE SIZE | LENGTH (m) + LAPS | NO | TOTAL (m) LENGTH | UNIT (kg/m) WEIGHT | TOTAL (kg) WEIGHT | SHAPE (cm) |
|----------|-----------|-------------------|--------------|--------------------|--------------------|-------------------|---|
| G 1 | φ12 | 30.56 | 30 | 916.80 | 0.888 | 814 |  |
| 2 | ∅ | 4.49 | 65 | 219.85 | ∅ | 259 |  |
| 3 | ∅ | 4.72 | 66 | 311.52 | ∅ | 277 |  |
| 4 | ∅ | 4.95 | 10 | 49.50 | ∅ | 44 |  |
| 5 | ∅ | 2.49 | 65 | 161.85 | ∅ | 144 |  |
| 6 | ∅ | 2.40 | 66 | 158.40 | ∅ | 141 |  |
| 7-1 | ∅ | 2.52 | 6 | 15.12 | ∅ | 13 |  |
| 7-2 | ∅ | 3.34 | 6 | 20.04 | ∅ | 18 |  |
| 7-3 | ∅ | 2.54 | 6 | 15.24 | ∅ | 14 |  |
| 8 | ∅ | 3.21 | 137 | 439.77 | ∅ | 391 |  |
| 9 | ∅ | 0.82 | 202*
404* | 165.64*
331.28* | ∅ | 147*
294* |  |
| 10 | ∅ | 1.00 | 48 | 48.00 | ∅ | 43* |  |
| 11 | ∅ | 1.45 | 48 | 69.60 | ∅ | 62* |  |
| 12 | ∅ | 1.05 | 101 | 106.05 | ∅ | 94* |  |

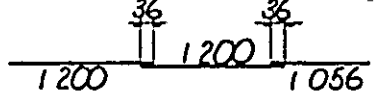
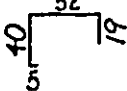
| BAR MARK | TYPE SIZE | LENGTH (m) + LAPS | NO | TOTAL (m) LENGTH | UNIT (kg/m) WEIGHT | TOTAL (kg) WEIGHT | SHAPE (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|--------------------|------------|
| C 1 | Φ12 | 1.31 | 192 | 251.52 | 0.888 | 223. | <u>131</u> |
| 2 | " | 4.47 | 24 | 107.28 | " | 95 | |
| 3 | " | 3.97 | 32 | 127.04 | " | 113 | |
| 4 | " | 4.16 | 24 | 99.84 | " | 89 | |
| 5 | " | 3.66 | 32 | 117.12 | " | 104 | |
| S 1 | Φ12 | 30.56 | 24 | 733.44 | 0.888 | 651. | |
| | | | | Total | | 1275 ^{kg} | |

2 A.B-LINE L=33.2

Note: * : inner girder
 ★ : edge girder

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|--------------|---------------------|---------------------|----------------------|------------|
| G 1 | φ16 | 4.48 | 106 | 474.88 | 1.58 | 747 | |
| 2 | φ | 4.71 | 66 | 310.86 | φ | 491 | |
| 3 | φ | 4.94 | 10 | 49.40 | φ | 78 | |
| 4 | φ12 | 2.72 | 106 | 288.32 | 0.888 | 256 | |
| 5 | φ | 2.63 | 66 | 173.58 | φ | 154 | |
| 6-1 | φ16 | 2.50 | 6 | 15.00 | 1.58 | 24 | |
| 6-2 | φ | 3.34 | 6 | 20.04 | φ | 32 | |
| 6-3 | φ | 2.52 | 6 | 15.12 | φ | 24 | |
| 7 | φ12 | 34.56 | 30 | 1036.80 | 0.888 | 921 | |
| 8 | φ | 3.21 | 178 | 571.38 | φ | 507 | |
| 9 | φ | 0.82* | 232*
464* | 190.24*
380.48* | φ | 169*
338* | |
| 10 | φ | 1.00 | 48 | 48.00 | φ | 43* | |
| 11 | φ | 1.45 | 48 | 69.60 | φ | 62* | |
| 12 | φ | 1.05 | 116 | 121.80 | φ | 108* | |

| BAR MARK | TYPE SIZE | LENGTH (m) + LAPS | NO | TOTAL (m) LENGTH | UNIT (kg/m) WEIGHT | TOTAL (kg) WEIGHT | SHAPE (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|--------------------|------------|
| C 1 | Φ12 | 1.31 | 192 | 251.52 | 0.888 | 223 | <u>131</u> |
| 2 | " | 4.47 | 24 | 107.28 | " | 95 | |
| 3 | " | 3.97 | 32 | 127.04 | " | 113 | |
| 4 | " | 4.16 | 24 | 99.84 | " | 89 | |
| 5 | " | 3.66 | 32 | 117.12 | " | 104 | |
| S 1 | Φ12 | 34.56 | 24 | 829.44 | 0.888 | 737 | |
| | | | | Total | | 1361 ^{kg} | |

| BAR
MARK | TYPE
SIZE | LENGTH
(m)
+ LAPS | NO | TOTAL
(m)
LENGTH | UNIT
(kg/m)
WEIGHT | TOTAL
(kg)
WEIGHT | SHAPE (cm) |
|-------------|--------------|-------------------------|-----|------------------------|--------------------------|-------------------------|---|
| K 1 | Φ 12 | 34.56 | 10 | 345.60 | 0.888 | 307 |  |
| 2 | = | 1.16 | 232 | 269.12 | = | 239. |  |
| | | | | Total | 546 ^{kg} | | |
| | | | | | | | |
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| | | | | | | | |

3 A.B-LINE

L = 20.5

Note: * : inner girder

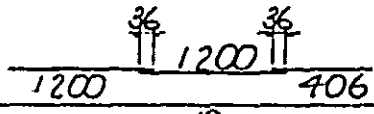
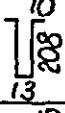
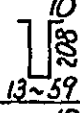
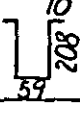
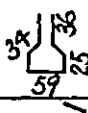
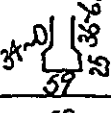



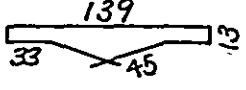
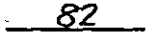

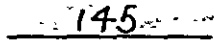

☆ : edge girder




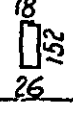
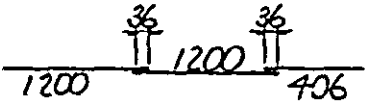
| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg)
/m WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|----------------|----------------------|------------------------|----------------------|------------|
| G 1 | φ16 | 3.18 | 48 | 152.64 | 1.58 | 241 | |
| 2 | φ | 3.41 | 64 | 218.24 | φ | 345 | |
| 3 | φ | 3.64 | 10 | 36.40 | φ | 58 | |
| 4 | φ12 | 2.72 | 48 | 130.56 | 0.888 | 116 | |
| 5 | φ | 2.63 | 64 | 168.32 | φ | 149 | |
| 6-1 | φ16 | 2.20 | 6 | 13.20 | 1.58 | 21 | |
| 6-2 | φ | 2.46 | 6 | 14.76 | φ | 23 | |
| 6-3 | φ | 2.40 | 6 | 14.40 | φ | 23 | |
| 7 | φ12 | 21.30 | 28 | 596.40 | 0.888 | 530 | |
| 8 | φ | 3.21 | 118 | 378.78 | φ | 336 | |
| 9 | φ | 0.82 | 144 ☆
288 * | 118.08 ☆
236.16 * | φ | 105 ☆
210 * | |
| 10 | φ | 1.00 | 32 | 32.00 | φ | 28 ☆ | |
| 11 | φ | 1.45 | 32 | 46.40 | φ | 41 * | |
| 12 | φ | 1.05 | 72 | 75.60 | φ | 67 ☆ | |

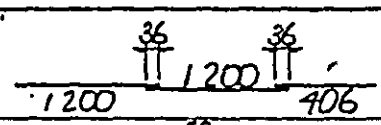
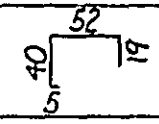
4. A B- LINE L=26.8

Note: * : inner girder

☆ : edge girder

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg/m)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|--------------|---------------------|-----------------------|----------------------|---|
| G 1 | Φ12 | 28.06 | 30 | 841.80 | 0.888 | 748 |  |
| 2 | " | 4.49 | 58 | 260.42 | " | 231 |  |
| 3 | " | 4.72 | 66 | 311.52 | " | 277 |  |
| 4 | " | 4.95 | 10 | 49.50 | " | 44 |  |
| 5 | " | 2.49 | 58 | 144.42 | " | 128 |  |
| 6 | " | 2.40 | 66 | 158.40 | " | 141 |  |
| 7-1 | " | 2.52 | 6 | 15.12 | " | 13 |  |
| 7-2 | " | 3.34 | 6 | 20.04 | " | 18 |  |
| 7-3 | " | 2.54 | 6 | 15.24 | " | 14 |  |
| 8 | " | 3.21 | 130 | 417.30 | " | 371 |  |
| 9 | " | 0.82 | 188*
376* | 154.16*
308.32* | " | 137*
274* |  |
| 10 | " | 1.00 | 48 | 48.00 | " | 43* |  |
| 11 | " | 1.45 | 48 | 67.60 | " | 62* |  |
| 12 | " | 1.05 | 94 | 98.70 | " | 88* |  |

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg/m)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|-----|---------------------|-----------------------|----------------------|---|
| C 1 | φ12 | 1.31 | 192 | 251.52 | 0.888 | 223 | <u>131</u> |
| 2 | " | 4.47 | 24 | 107.28 | " | 95 |  |
| 3 | " | 3.97 | 32 | 127.04 | " | 113 |  |
| 4 | " | 4.16 | 24 | 99.84 | " | 89 |  |
| 5 | " | 3.66 | 32 | 117.12 | " | 104 |  |
| S 1 | φ12 | 28.06 | 24 | 673.44 | 0.888 | 598 |  |
| | | | | Total | | 1 222 ^{kg} | |

| BAR MARK | TYPE SIZE | LENGTH ^(m)
+ LAPS | NO | TOTAL ^(m)
LENGTH | UNIT ^(kg/m)
WEIGHT | TOTAL ^(kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|---------------------------------|-----|--------------------------------|----------------------------------|---------------------------------|---|
| K 1 | φ12 | 28.06 | 10 | 280.60 | 0.888 | 249. |  |
| 2 | , | 1.16 | 188 | 218.08 | : | 194. |  |
| | | | | Total | | 443 ^{kg} | |
| | | | | | | | |
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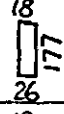
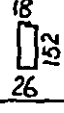
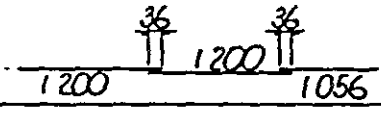
2023/08/28 11:00 AM

5 E - Rp

L = 33.2

Note: * : inner girder
 ☆ : edge girder

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|--------------|---------------------|---------------------|----------------------|------------|
| G.1 | φ16 | 4.48 | 106 | 474.88 | 1.58 | 747 | |
| 2 | " | 4.71 | 66 | 310.86 | " | 491 | |
| 3 | " | 4.94 | 10 | 49.40 | " | 78 | |
| 4 | φ12 | 2.72 | 106 | 288.32 | 0.888 | 256 | |
| 5 | " | 2.63 | 66 | 173.58 | " | 154 | |
| 6-1 | φ16 | 2.50 | 6 | 15.00 | 1.58 | 24 | |
| 6-2 | " | 3.34 | 6 | 20.04 | " | 32 | |
| 6-3 | " | 2.52 | 6 | 15.12 | " | 24 | |
| 7 | φ12 | 34.56 | 30 | 1036.80 | 0.888 | 921 | |
| 8 | " | 3.21 | 178 | 571.38 | " | 507 | |
| 9 | " | 0.67* | 232*
464* | 155.44*
310.88* | " | 138*
276* | |
| 10 | " | 1.00 | 48 | 48.00 | " | 43* | |
| 11 | " | 1.45 | 48 | 69.60 | " | 62* | |
| 12 | " | 1.07 | 116 | 124.12 | " | 110* | |

| BAR MARK | TYPE SIZE | LENGTH (m) + LAPS | NO | TOTAL (m) LENGTH | UNIT (kg/m) WEIGHT | TOTAL (kg) WEIGHT | SHAPE (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|---|
| C 1 | φ12 | 1.11 | 144 | 159.84 | 0.888 | 142 | — 111 — |
| 2 | " | 4.47 | 12 | 53.64 | " | 48 |  |
| 3 | " | 3.97 | 24 | 95.28 | " | 85 |  |
| 4 | " | 4.16 | 12 | 49.92 | " | 44 |  |
| 5 | " | 3.66 | 24 | 87.84 | " | 78 |  |
| S 1 | φ12 | 34.56 | 12 | 414.72 | 0.888 | 368 |  |
| | | | | Total | | 765 ^{kg} | |

6 E - Rp

L = 20.2

Note: * : inner girder
 ☆ : edge girder

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|--------------|---------------------|---------------------|----------------------|------------|
| G-1 | φ12 | 21.00 | 30 | 630.00 | 0.888 | 559 | |
| 2 | ∩ | 4.49 | 35 | 157.15 | ∩ | 140 | |
| 3 | ∩ | 4.72 | 64 | 302.08 | ∩ | 268 | |
| 4 | ∩ | 4.95 | 10 | 49.50 | ∩ | 44 | |
| 5 | ∩ | 2.49 | 35 | 87.15 | ∩ | 77 | |
| 6 | ∩ | 2.40 | 64 | 153.60 | ∩ | 136 | |
| 7-1 | ∩ | 2.52 | 6 | 15.12 | ∩ | 13 | |
| 7-2 | ∩ | 3.34 | 6 | 20.04 | ∩ | 18 | |
| 7-3 | ∩ | 2.54 | 6 | 15.24 | ∩ | 14 | |
| 8 | ∩ | 3.21 | 105 | 337.05 | ∩ | 299 | |
| 9 | ∩ | 0.67 | 142*
284* | 95.14*
190.28* | ∩ | 84*
169* | |
| 10 | ∩ | 1.00 | 48 | 48.00 | ∩ | 43* | |
| 11 | ∩ | 1.45 | 48 | 69.60 | ∩ | 62* | |
| 12 | ∩ | 1.07 | 171 | 75.97 | ∩ | 67* | |

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg/m)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|----|---------------------|-----------------------|----------------------|-----------------|
| | | | | | | | |
| | | Total | | inner girder | | | <u>1 799 kg</u> |
| | | | | edge girder | | | <u>1 762 kg</u> |
| | | | | | | | |
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No. of bars per meter = 1000 / 200 = 5
 Weight of bars = 5 x 1000 x 0.00785 = 39.25 kg/m

7 E - Rp

L = 29.2

Note : * : inner girder

☆ : edge girder

| BAR MARK | TYPE SIZE | LENGTH (m)
+ LAPS | NO | TOTAL (m)
LENGTH | UNIT (kg/m)
WEIGHT | TOTAL (kg)
WEIGHT | SHAPE (cm) |
|----------|-----------|----------------------|--------------|---------------------|-----------------------|----------------------|------------|
| G 1 | φ12 | 30.56 | 30 | 916.80 | 0.888 | 814 | |
| 2 | " | 4.49 | 65 | 291.85 | " | 259 | |
| 3 | " | 4.72 | 66 | 311.52 | " | 277 | |
| 4 | " | 4.95 | 10 | 49.50 | " | 44 | |
| 5 | " | 2.49 | 65 | 161.85 | " | 144 | |
| 6 | " | 2.40 | 66 | 158.40 | " | 141 | |
| 7-1 | " | 2.52 | 6 | 15.12 | " | 13 | |
| 7-2 | " | 3.34 | 6 | 20.04 | " | 18 | |
| 7-3 | " | 2.54 | 6 | 15.24 | " | 14 | |
| 8 | " | 3.21 | 137 | 439.77 | " | 391 | |
| 9 | " | 0.67 | 202*
404* | 135.34*
270.68* | " | 120*
240* | |
| 10 | " | 1.00 | 48 | 48.00 | " | 43* | |
| 11 | " | 1.45 | 48 | 69.60 | " | 62* | |
| 12 | " | 1.07 | 101 | 108.07 | " | 96* | |

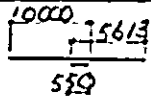








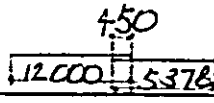
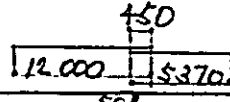
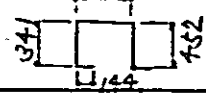
S2 RC VOIDED SLAB

Page 101

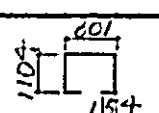
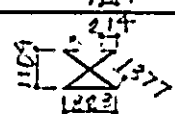
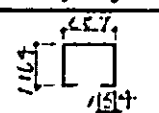
1 Mwy. Jn. A-LINE. 3Br. BAR SCHEDULE

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|------------|
| S 1 | Φ32 | 18.59 | 58 | 1076.22 | 6.31 | 6804 | |
| 2 | Φ12 | 19.13 | 20 | 382.60 | 0.828 | 340 | |
| 3 | " | 17.37 | 62 | 1076.94 | " | 956 | |
| 4 | Φ32 | 21.39 | 4 | 85.56 | 6.31 | 540 | |
| 5 | " | 21.39 | 4 | 85.56 | " | 540 | |
| 6 | " | 21.39 | 20 | 427.80 | " | 2699 | |
| 7 | " | 21.39 | 10 | 213.90 | " | 1350 | |
| 8 | Φ16 | 19.33 | 101 | 1952.33 | 1.58 | 3025 | |
| 9 | Φ12 | 16.84 | 101 | 1700.84 | 0.888 | 1510 | |
| 10 | " | 2.10 | 51 | 107.10 | " | 95 | |
| 11 | " | 2.07 | 51 | 105.57 | " | 94 | |
| 12 | Φ25 | 17.70 | 14 | 247.80 | 3.85 | 954 | |
| 13 | Φ16 | 17.47 | 10 | 174.70 | 1.58 | 276 | |
| 14 | " | 17.48 | 1 | 17.48 | " | 28 | |
| 15 | " | 8.79 | 2 | 17.58 | " | 28 | |

BAR SCHEDULE

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|---|
| S16 | Φ16 | 15.61 | 2 | 31.22 | 1.58 | 49 |  |
| 17 | " | 3.91 | 11 | 43.01 | " | 68 |  |
| 18 | " | 3.64 | 11 | 40.04 | " | 63 |  |
| 19 | " | 2.00 | 8 | 16.00 | " | 25 |  |
| 20 | " | 1.63 | 6 | 9.78 | " | 15 |  |
| 21 | " | 1.90 | 13 | 24.70 | " | 39 |  |
| 22 | " | 1.40 | 6 | 8.40 | " | 13 |  |
| 23 | " | 1.10 | 4 | 4.40 | " | 7 |  |
| 24 | " | 2.25 | 22 | 49.50 | " | 78 |  |
| 25 | Φ12 | 17.38 | 3 | 52.14 | 0.888 | 46 |  |
| 26 | " | 17.37 | 3 | 52.11 | " | 46 |  |
| 27 | " | 1.59 | 102 | 162.18 | " | 144 |  |
| | Φ32 | 11.933 | | | Φ12 | 3.231 | |
| | Φ25 | 9.54 | | | Total 19.892 kg | | |
| | Φ16 | 3.774 | | | | | |

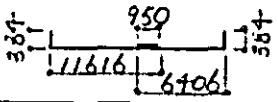
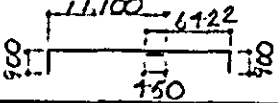
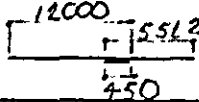
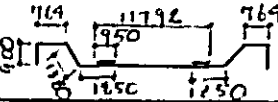
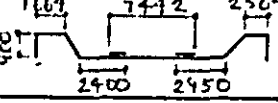
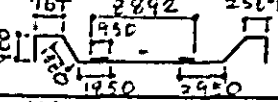
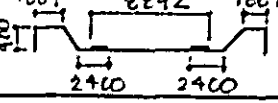
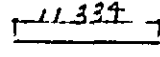
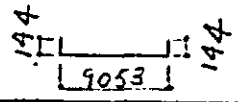
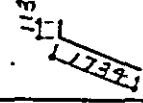
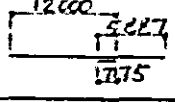
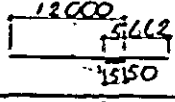



BAR SCHEDULE

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|------------------|-----------|-------------------|-----|------------------|--------------------|-------------------|---|
| S ^o 1 | Φ16 | 3.32 | 202 | 670.64 | 1.58 | 1060 |  |
| 2 | " | 4.01 | 490 | 1964.90 | " | 3105 |  |
| 3 | " | 3.21 | 120 | 385.20 | " | 609 |  |
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Φ 16

4774 kg.

2 Mwy. Jn. B - LINE. 3 Br.
BAR SCHEDULE

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|---|
| S 1 | Φ32 | 18.79 | 33 | 620.07 | 6.31 | 3913 |  |
| 2 | Φ12 | 19.32 | 10 | 193.20 | 0.888 | 172 |  |
| 3 | " | 17.56 | 37 | 649.72 | " | 577 |  |
| 4 | Φ32 | 21.58 | 4 | 86.32 | 6.31 | 545 |  |
| 5 | " | 21.58 | 4 | 86.32 | " | 545 |  |
| 6 | " | 21.58 | 10 | 215.80 | " | 1362 |  |
| 7 | " | 21.58 | 5 | 107.90 | " | 681 |  |
| 8 | Φ16 | 11.33 | 101 | 1144.33 | 1.56 | 1808 |  |
| 9 | Φ12 | 9.34 | 101 | 943.34 | 0.888 | 838 |  |
| 10 | " | 1.85 | 102 | 188.70 | " | 168 |  |
| 11 | Φ25 | 17.89 | 12 | 214.68 | 3.85 | 827 |  |
| 12 | Φ16 | 17.66 | 10 | 176.60 | 1.56 | 279 |  |
| 13 | " | 3.41 | 22 | 75.02 | " | 119 |  |
| 14 | " | 1.71 | 12 | 20.52 | " | 32 |  |
| 15 | " | 1.90 | 10 | 19.00 | " | 30 |  |

BAR SCHEDULE:

| Bar mark | Type size | Length + laps (m) | No. | Total length (m) | Unit weight (kg/m) | Total weight (kg) | Shape (cm) |
|----------|-----------|-------------------|-----|------------------|--------------------|-------------------|------------|
| S16 | Φ16 | 1.10 | 10 | 11.00 | 1.58 | 17 | |
| 17 | " | 2.25 | 22 | 49.50 | " | 78 | |
| 18 | Φ12 | 1.59 | 102 | 162.18 | 0.888 | 144 | |
| 19 | " | 17.56 | 6 | 105.36 | " | 94 | |
| | | | | Φ 32 | | 7046 | |
| | | | | Φ 25 | | 551 | |
| | | | | Φ 16 | | 2363 | |
| | | | | Φ 12 | | 1993 | |
| | | | | total | | 11953 | kg |
| S01 | Φ16 | 3.16 | 124 | 391.84 | 1.58 | 619 | |
| 2 | " | 4.02 | 250 | 1005.00 | " | 1588 | |
| 3 | " | 3.21 | 60 | 192.60 | " | 304 | |
| | | | | Φ 16 | | 2511 | |

