

AFRICAN DEVELOPMENT BANK

GOVERNMENT OF MAURITIUS

BEAU BASSIN - PORT LOUIS LINK ROAD

REINFORCEMENT SCHEDULE

FOR

SUBSTRUCTURE OF BRIDGES

JICA LIBRARY



1063066[4]

SEPTEMBER 1980

Japan International Cooperation Agency

S D F



80-100

国際協力事業団	
受入 月日 584226	1410
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	SDF

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1. Motorway Junction
2. Rampway Bridge
3. Over Bridge
4. G.R.N.W. Bridge and St. Louis River Bridge
5. Pedestrian Bridge and Aquaduct (STA. 57)

1. Motorway Junction

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§§ 1. A-LINE - I B.R

A1 - ABUTMENT

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (K/m)	Total weight (K)	Shape (cm)
P 1	Φ 16	2.86	42	120.12	1.58	190	$\begin{array}{l} 16 \\ \hline 270 \end{array}$
2	"	2.86	77	220.22	"	348	$\begin{array}{l} 16 \\ \hline 270 \end{array}$
3	"	2.50	16	40.00	"	63	$\begin{array}{l} 19 \\ \hline 200 \end{array}$
4	Φ 12	9.96	18	179.28	0.888	159	$\begin{array}{l} 996 \end{array}$
5	"	1.06	4	4.24	"	4	$\begin{array}{l} 46 \\ 8 \square \end{array}$
A 1	Φ 16	9.96	33	328.68	1.58	519	$\begin{array}{l} 996 \end{array}$
2	"	9.96	31	308.76	"	488	$\begin{array}{l} 996 \end{array}$
3	"	8.85	42	371.70	"	587	$\begin{array}{l} 835 \\ \hline 50 \end{array}$
4	"	7.60	38	288.80	"	456	$\begin{array}{l} 710 \\ \hline 50 \end{array}$
5	"	2.54	42	106.68	"	169	$\begin{array}{l} 75 \\ \hline 104 \end{array}$
6	"	2.75	40	110.00	"	174	$\begin{array}{l} 130 \\ \hline 125 \end{array}$
7	"	2.72	30	81.60	"	129	$\begin{array}{l} 131 \\ \hline 212 \end{array}$

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (Kg/m)	Total weight (kg)	Shape (cm)
B 1	Φ25	10.00	15	150.00	3.85	578	
2	"	9.70	9	87.30	"	336	
3	"	7.20	6	43.20	"	166	
4	"	5.30	6	31.80	"	122	
5	Φ16	3.90	150	510.00	1.58	806	115 ~ 965 18
6	"	5.13	132	677.16	"	1070	125 ~ 800 50
7	"	2.25	120	270.00	"	427	
8	"	2.76	80	220.80	"	349	
9	"	1.44	75	108.00	"	171	
10	Φ12	0.64	60	38.40	0.888	34	
E 1	Φ16	1.51	36	54.36	1.58	86	16 9 ~ 18 50
2	Φ12	9.96	2	19.92	0.888	18	996

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
WL 1	Φ 16	5.79	4	23.16	1.58	37	45 983 18
2	"	4.76	5	23.80	"	38	45 955~305 18
3	"	3.49	12	41.88	"	66	45 355 150 18
4	"	3.00	9	27.00	"	43	250 18
5	"	5.79	4	23.16	"	37	45 983 18
6	"	4.76	5	23.80	"	38	45 955~305 18
7	"	3.49	6	20.94	"	33	45 355~150 18
8	"	3.23	5	11.15	"	18	30 263 30
9	"	1.95	6	11.70	"	18	30 135 30
10	"	2.55	36	91.80	"	145	30 105~205
11	"	7.30	2	14.60	"	23	30 670
12	"	1.03	19	19.57	"	31	30 43
13	Φ 12	4.83	2	9.66	0.888	9	483

Bar mark	Type size	length laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (mm)
WR 1	Φ20	10.65	5	53.25	247	132	
2	Φ25	5.33	30	159.90	3.85	616	
3	"	4.43	9	39.87	"	153	
4	Φ20	5.33	30	159.90	247	395	
5	"	4.43	9	39.87	"	98	
6	Φ16	3.50	18	63.00	1.58	100	
7	"	2.60	10	26.00	"	41	
8	"	3.14	4	12.56	"	20	
9	"	2.14	5	10.70	"	17	
10	"	2.91	4	11.64	"	18	
11	"	1.91	5	9.55	"	15	
12	"	11.66	28	326.48	"	516	
13	"	8.85	6	53.10	"	84	
14	"	5.80	9	52.20	"	82	
15	"	1.60	14	22.40	"	35	
16	"	2.25	23	51.75	"	82	

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial reporting and auditing. The text notes that incomplete or inaccurate records can lead to significant errors and potential legal consequences.

2. The second part of the document outlines the various methods and tools used for data collection and analysis. It mentions the use of surveys, interviews, and focus groups to gather qualitative data, as well as the application of statistical software for quantitative analysis. The document stresses the need for careful selection of methods and tools to ensure the reliability and validity of the data collected.

3. The third part of the document addresses the challenges associated with data management and storage. It highlights the importance of implementing robust security measures to protect sensitive information from unauthorized access and data breaches. Additionally, it discusses the need for regular backups and the use of secure storage solutions to ensure the long-term integrity and availability of the data.

4. The fourth part of the document focuses on the ethical considerations surrounding data collection and analysis. It emphasizes the importance of obtaining informed consent from participants and ensuring that their data is used only for the purposes specified in the research protocol. The document also discusses the potential for bias and the need for transparency in the analysis and reporting of results.

5. The fifth part of the document discusses the importance of clear communication and reporting of research findings. It emphasizes the need for concise and accurate summaries of the data and the use of appropriate visual aids to enhance the clarity of the results. The document also discusses the importance of providing context and interpretation of the findings to ensure that the research is understood and used appropriately.

6. The sixth part of the document discusses the importance of ongoing evaluation and improvement of the research process. It emphasizes the need for regular monitoring and assessment of the data collection and analysis procedures to identify any potential issues or areas for improvement. The document also discusses the importance of seeking feedback from participants and other stakeholders to ensure that the research is meeting their needs and expectations.

7. The seventh part of the document discusses the importance of maintaining the confidentiality and privacy of the data. It emphasizes the need for strict adherence to data protection regulations and the implementation of appropriate safeguards to prevent unauthorized access and disclosure of the data. The document also discusses the importance of providing clear instructions to participants regarding their rights and the confidentiality of their data.

8. The eighth part of the document discusses the importance of ensuring the accuracy and reliability of the data. It emphasizes the need for careful attention to detail in the data collection and analysis process, including the use of standardized procedures and the implementation of quality control measures. The document also discusses the importance of documenting all steps of the process to ensure that the data can be verified and audited.

9. The ninth part of the document discusses the importance of providing clear and concise instructions to participants. It emphasizes the need for using simple and easy-to-understand language and providing clear examples of the data collection process. The document also discusses the importance of ensuring that participants understand their rights and the confidentiality of their data.

10. The tenth part of the document discusses the importance of providing clear and concise instructions to the research team. It emphasizes the need for using consistent terminology and procedures and providing clear roles and responsibilities for each team member. The document also discusses the importance of ensuring that all team members are trained and qualified to perform their tasks.

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (K/m)	Total weight (K)	Shape (cm)
WR17	Φ 16	3.23	4	12.92	1.58	20	
18	"	1.95	6	11.70	"	18	
19	"	2.76	16	44.16	"	70	
20	"	4.10	2	8.20	"	13	
21	"	5.20	23	119.60	"	189	
22	"	1.44	130	13.20	"	68	
23	Φ 12	5.83	2	11.66	0.888	10	583
F 1	Φ 20	2.75	83	228.25	2.47	564	
2	Φ 16	2.59	42	108.78	1.58	172	
3	"	9.96	37	368.52	"	582	996
4	"	9.96	37	368.52	"	582	996
5	"	5.60	38	212.80	"	336	
6	"	5.60	42	235.20	"	372	
7	"	2.10	33	63.90	"	109	210
8	"	11.36	7	79.52	"	126	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cm)
F 9	Φ16	7.30	2	14.60	1.58	23	81 — 18 130
10	"	10.96	2	21.92	"	35	81 — 18 996
11	Φ12	11.36	7	79.52	0.888	71	201 — 12 996
13	Φ16	2.19	75	164.25	1.58	260	72 □ 53 1010
12	"	2.70	24	64.80	"	102	33 □ 54 1010
			Φ25			1,971	kg
			Φ20			1,189	"
			Φ16			10,646	"
			Φ12			305	"
GRAND TOTAL						14,111	kg

A₂ - ABUTMENT

Bar mark	Type size	length flaps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
P1	Φ16	3.06	42	128.52	1.58	203	16 067 190
2	'	3.06	77	235.62	"	372	16 067
3	'	2.50	16	40.00	"	63	100
4	Φ12	9.96	18	179.28	0.888	159	996
5	'	1.06	4	4.24	"	4	16 97
A 1	Φ16	9.96	38	378.48	1.58	598	996
2	'	9.96	36	358.56	"	567	996
3	'	10.79	41	442.39	"	699	150 377 (477) 150 377 (477) 150 377 (477)
4	'	9.77	37	361.79	"	571	150 377 (477) 150 377 (477)
5	'	2.54	41	104.14	"	165	104 75
6	'	2.55	39	99.45	"	157	145 110
7	'	3.04	29	88.16	"	139	144 110
E 1	Φ16	1.51	35	52.85	1.58	84	16 13 20
2	Φ12	9.96	2	19.92	0.888	18	996

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (Kg/m)	Total weight (Kg)	Shape (cm)
B 1	Φ 32	12.86	15	192.90	6.31	1217	
2	"	10.46	3	31.38	"	198	
3	"	7.80	6	46.80	"	295	
4	"	6.10	6	36.60	"	231	
5	Φ 16	3.95	186	739.70	1.58	1161	
6	"	7.16	48	437.76	"	692	
7	"	4.55	114	518.70	"	820	
8	"	2.25	145	326.25	"	515	
9	"	2.76	95	262.10	"	414	
10	"	1.45	93	134.85	"	213	
11	Φ 10	0.89	42	26.88	0.616	17	
WL 1	Φ 25	13.57	5	67.85	3.65	261	
2	"	6.33	36	227.88	"	877	
3	"	5.43	10	54.30	"	209	
4	"	4.10	13	52.00	"	200	

[The page contains extremely faint and illegible text, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]

Bar Mark	Type Size	Length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	SHAPE (mm)
5	Φ10	6.33	36	227.88	2.47	563	50 583
6	"	5.43	10	54.30	"	134	50 193
7	Φ16	4.00	8	32.00	1.58	51	50 350
8	"	12.70	36	457.20	"	722	50 570 (CS)/570 (CS)/570
9	"	10.79	6	64.74	"	102	(CS) (HT) 50 570 570 50 570
10	"	6.50	11	71.50	"	113	50 500
11	"	2.53	29	73.37	"	116	50 20 193 50
12	"	3.50	4	14.00	"	22	50 20 200 50
13	"	2.24	6	13.44	"	21	50 20 114 50
14	"	3.14	10	62.80	"	99	50 20 200 50
15	"	2.82	19	53.58	"	85	50 110 62
16	"	1.46	19	27.74	"	44	50 46
17	"	1.14	44	72.16	"	114	50 50 67
18	Φ16	1.44	2	2.88	"	5	50 44
19	Φ12	4.93	2	9.86	0.888	9	493

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	SHAPE (mm)
WR1	Φ 16	5.59	3	16.77	1.58	26	Φ 163 76
2	"	4.31	7	30.17	"	48	Φ 150~220 76
3	"	2.96	5	14.80	"	23	Φ 115~125 76
4	"	5.59	3	16.77	"	26	Φ 163 76
5	"	4.31	7	30.17	"	48	Φ 150~220 76
6	"	2.96	5	14.80	"	23	Φ 115~125 76
7	"	1.30	34	78.20	"	124	Φ 25~105
8	"	7.20	2	14.40	"	23	Φ 25~90
9	"	1.95	6	11.70	"	18	Φ 25~90
10	"	3.23	3	9.69	"	15	Φ 25~90
11	"	1.03	18	18.54	"	29	Φ 25~90
12	Φ 12	1.63	2	3.26	0.882	8	Φ 163

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (mm)
F 1	Φ 20	3.35	81	271.35	2.97	670	
2	Φ 16	3.20	41	131.20	1.58	107	
3	"	9.96	45	448.10	"	708	
4	"	9.96	45	448.10	"	708	
5	"	6.70	37	247.90	"	392	
6	"	6.70	41	274.70	"	434	
7	"	2.30	32	73.60	"	116	
8	"	11.56	9	104.04	"	164	
9	"	8.80	4	35.20	"	56	
10	"	10.96	4	43.84	"	69	
11	Φ 12	11.56	9	104.04	0.888	92	
12	Φ 20	2.74	39	114.66	2.47	283	
13	Φ 16	2.39	92	219.88	1.58	347	

