

JAPAN INTERNATIONAL COOPERATION AGENCY
ROAD DEVELOPMENT AUTHORITY
MINISTRY OF HEALTH, HIGHWAYS
AND SOCIAL SERVICES

MASTER PLAN STUDY
ON
BRIDGE DEVELOPMENT
IN
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

FINAL REPORT

VOLUME IV

DRAWINGS



JULY 1996

JAPAN BRIDGE & STRUCTURE INSTITUTE, INC., TOKYO
PACIFIC CONSULTANTS INTERNATIONAL, TOKYO

SSF
JR
96-087

1. DETAILED SURVEY DRAWINGS

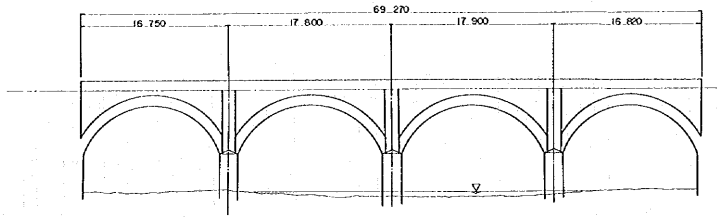


LIST OF DRAWINGS

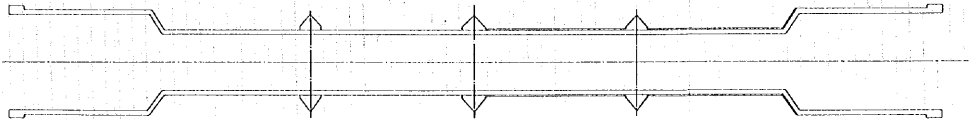
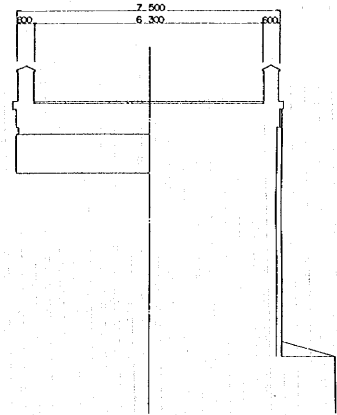
BRIDGE NO	TITLE OF DRAWING	DRAWING NO.	
85 (ARCH/BR)	GENERAL VIEW	DSS - 1	
	CRACK DIAGRAM	DSS - 2	
77 (ST.TR/T/RCS+RSJ/COR)	GENERAL VIEW	DSS - 3	
	CORROSION DIAGRAM (1/2)	DSS - 4	
	CORROSION DIAGRAM (2/2)	DSS - 5	
	GENERAL VIEW	DSS - 6	
53 (ST.TR/T/RCS)	CORROSION AND CRACK DIAGRAM	DSS - 7	
	GENERAL VIEW	DSS - 8	
33 (ST.TR/T/RCS+RSJ/RCS)	CORROSION AND CRACK DIAGRAM	DSS - 9	
	CORROSION DIAGRAM	DSS - 10	
	GENERAL VIEW	DSS - 11	
59 (RSJ/BUC)	CORROSION DIAGRAM	DSS - 12	
	GENERAL VIEW	DSS - 13	
20 (RSJ/COR)	CORROSION AND CRACK DIAGRAM	DSS - 14	
	CORROSION DIAGRAM	DSS - 15	
	GENERAL VIEW	DSS - 16	
70 (RSJ/COR)	CORROSION DIAGRAM (1/3)	DSS - 17	
	CORROSION DIAGRAM (2/3)	DSS - 18	
	CORROSION DIAGRAM (3/3)	DSS - 19	
	GENERAL VIEW (1)	DSS - 20	
7 (PSC/PRE-RCB)	GENERAL VIEW (2)	DSS - 21	
	CRACK DIAGRAM OF SUPERSTRUCTURE (1)	DSS - 22	
	CRACK DIAGRAM OF SUPERSTRUCTURE (2)	DSS - 23	
	CRACK DIAGRAM OF SUPERSTRUCTURE (3)	DSS - 24	
	CRACK DIAGRAM OF SUPERSTRUCTURE (4)	DSS - 25	
	CRACK DIAGRAM OF SUPERSTRUCTURE (5)	DSS - 26	
	CRACK DIAGRAM OF SUPERSTRUCTURE (6)	DSS - 27	
	CRACK DIAGRAM OF SUPERSTRUCTURE (7)	DSS - 28	
	CRACK DIAGRAM OF SUBSTRUCTURE (1)	DSS - 29	
	CRACK DIAGRAM OF SUBSTRUCTURE (2)	DSS - 30	
	CRACK DIAGRAM OF SUBSTRUCTURE (3)	DSS - 31	
	CRACK DIAGRAM OF SUBSTRUCTURE (4)	DSS - 32	
	211 (RSJ/RCS)	GENERAL VIEW	DSS - 33
		CORROSION AND CRACK DIAGRAM	DSS - 34
212 (PSC/PRE)	GENERAL VIEW	DSS - 35	
	CRACK DIAGRAM	DSS - 36	

GENERAL VIEW

ELEVATION 1:200



CROSS SECTION 1:50



BRIDGE DATA :

SER NO. & RD/IE	NO. 85 (AKK1)
PROVINCE	SARAWAGA MWNA
DISTRIC	SEKELLA
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE: SUBSTRUCTURE :
TYPE OF SUPERSTRUCTURE	ARCH / BR
TYPE OF SUBSTRUCTURE	ABUTMENT PIER
YEAR BUILT	1984

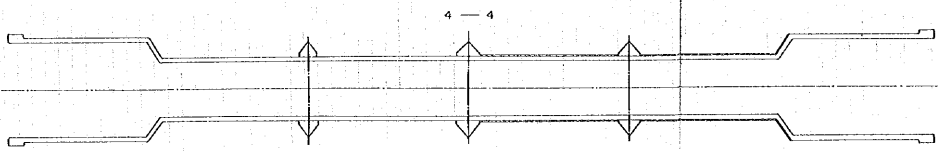
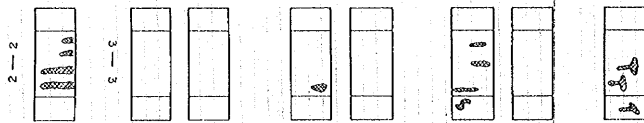
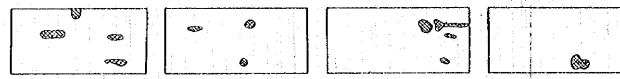
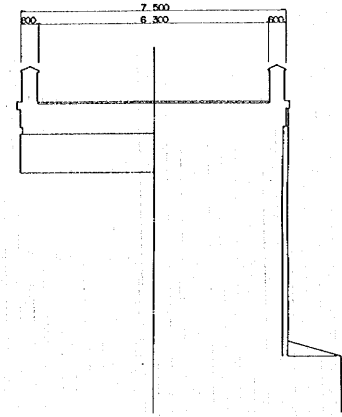
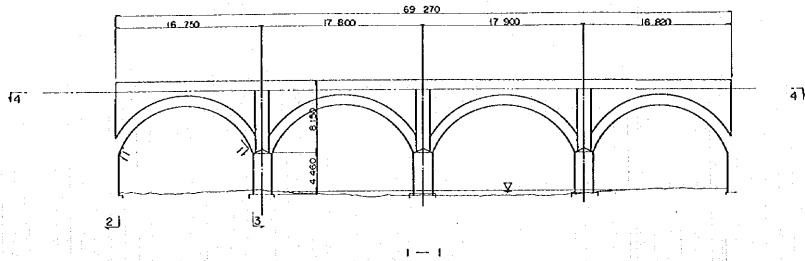


MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
TITLE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO
GENERAL VIEW	SER NO.85	AS SHOWN	DSC - 1

CRACK DIAGRAM

ELEVATION 1: 200

CROSS SECTION 1: 50



LEGEND OF DAMAGE (CONCRETE)

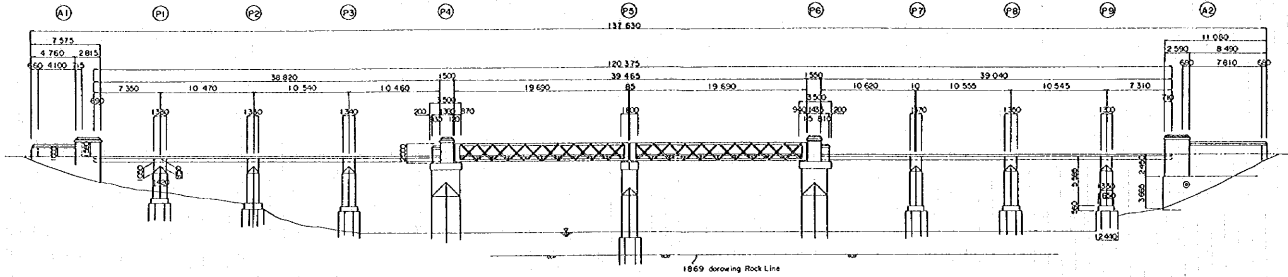
TYPE OF DAMAGES	INDICATION
CRACK*	○-○
FLAKING	○
REBAR EXPOSURE	○
FREE LIME	○
HONEY COMB	○
WEAR/EROSION	○
WATER STAIN	○
OTHERS	○

* ○ THE LENGTH OF CRACK
 ○ MAXIMUM CRACK WIDTH

JKCA MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

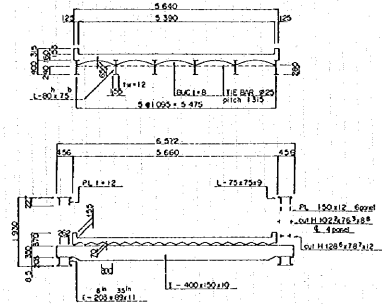
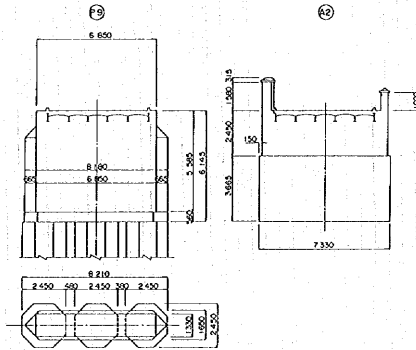
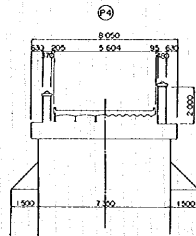
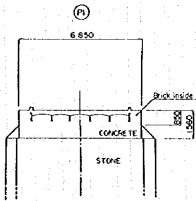
TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE	DRAWING NO.
CRACK DIAGRAM	SER NO. 85	AS SHOWN	DCS-?

GENERAL VIEW
ELEVATION 1:200

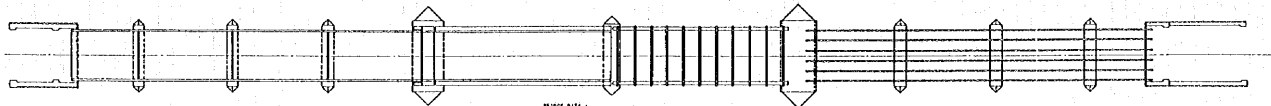


CROSS SECTION 1:100

CROSS SECTION 1:50



PLAN 1:200



REMARKS:

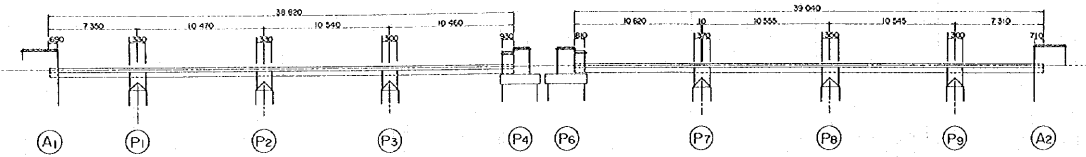
NO. OF TUBES	NO. OF BENTS
PIERCING	PIERCING
REINFORCE	REINFORCE
BRIER LINE LONG	CONCRETE
MATERIAL FIELD STRENGTH	CONCRETE
TYPE OF SUPERSTRUCTURE	CONCRETE
TYPE OF SUBSTRUCTURE	CONCRETE
DETAILED	CONCRETE



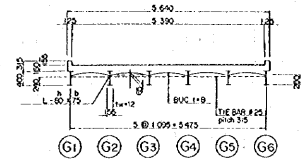
MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
 TITLE OF DRAWING: GENERAL VIEW
 BRIDGE NAME / NO: SER NO. 77
 SCALE: AS SHOWN
 DRAWING NO.: CS-3

CORROSION DIAGRAM (1/2)

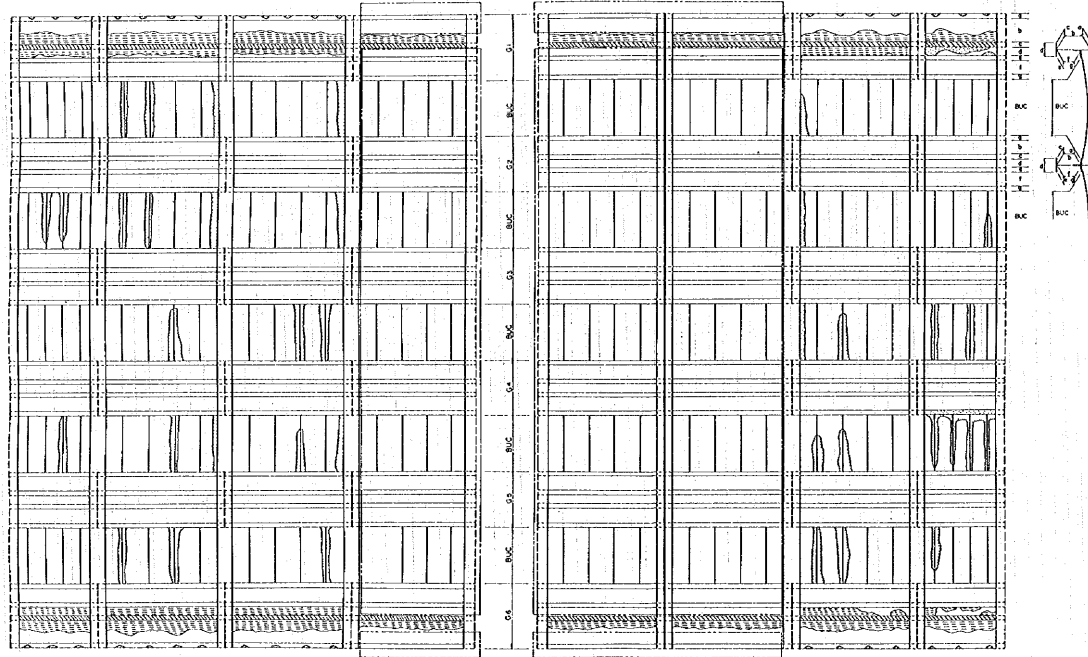
ELEVATION 1:150



CROSS SECTION 1:50



GIRDER & BUCKLE PLATE UNDERFACE V=1:30 H=1:150



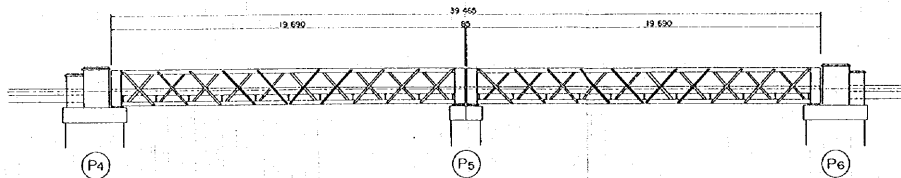
▭ : NOT INVESTIGATED

LEGEND OF DAMAGE (STEEL)

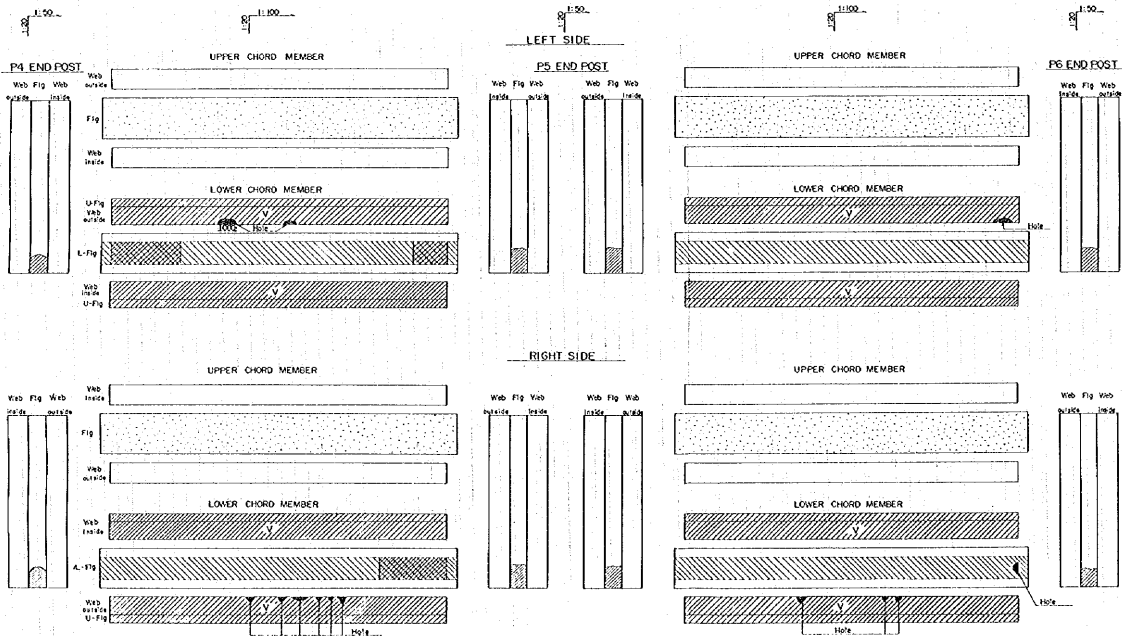
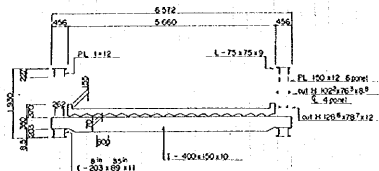
TYPE OF DAMAGES	INDICATION
FREE LIME	
VERY CORROSION	
CORRODED PARTLY	
RUSTED	
NON-PAINTING	
LAMINATION	
PAINT DEGENERATION	
SEDIMENT	
WATER STAGNATION	
WATER STAIN BY STAIN	

CORROSION DIAGRAM (2/2)

ELEVATION 1:100



CROSS SECTION 1:50



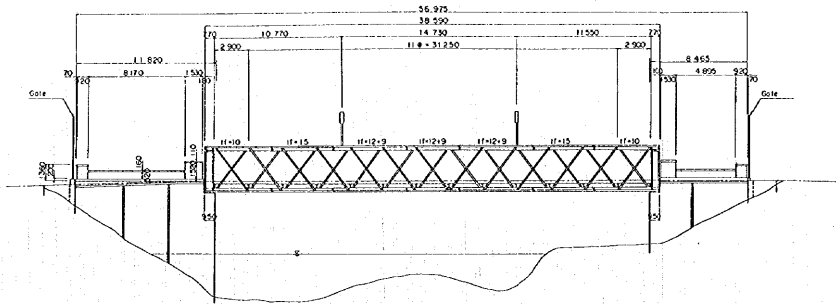
LEGEND OF DAMAGE (STEEL)

TYPE OF DAMAGES	INDICATION
FREE LIME	
VERY CORROSION	
CORRODED PARTLY	
RUSTED	
NON-PAINING	
LAMINATION	
PAINT DETEGRATION	
SEDIMENT	
WATER STAGNATION	
WATER SEEP or SEAK	

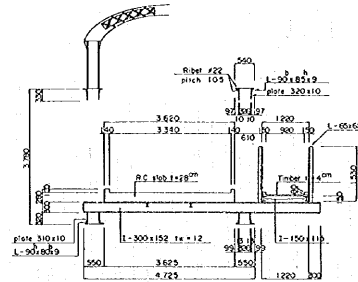


GENERAL VIEW

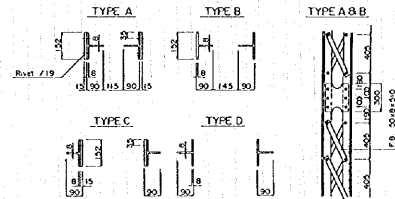
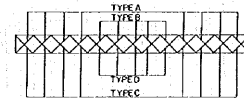
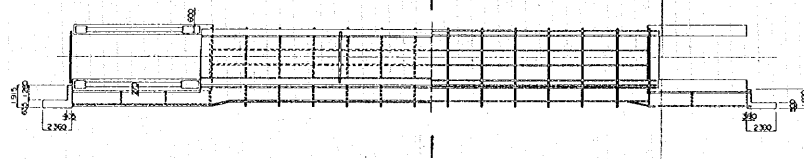
ELEVATION 1:150



CROSS SECTION 1:150



PLAN 1:150



BRIDGE DATA :

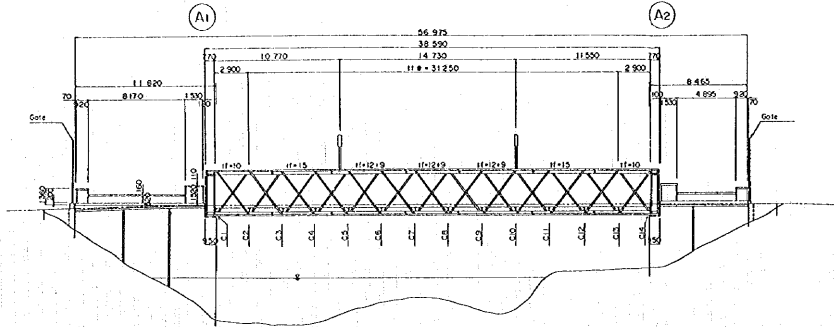
SER NO. & ROUTE	NO. 53 (A111)
PROVINCE	SABARAGAMUWA
DISTRICT	KEDIRIA
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE: STEEL SUBSTRUCTURE :
TYPE OF SUPERSTRUCTURE	ST. TR / TAD
TYPE OF SUBSTRUCTURE	ABUTMENT DRESSED STONE / SPREAD
YEAR BUILT	1953



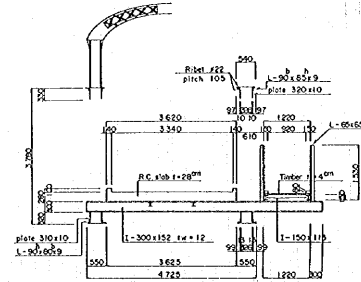
MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
FILE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO.
GENERAL VIEW	SER NO. 53	AS SHOWN	DS... F

CORROSION DIAGRAM

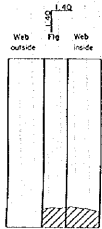
ELEVATION 1:150



CROSS SECTION 1:50



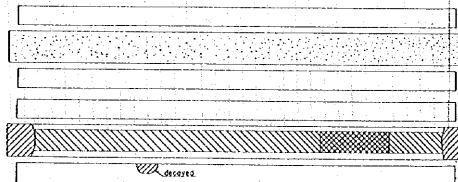
A1 END POST



UPPER BLOWER CHORD MEMBER

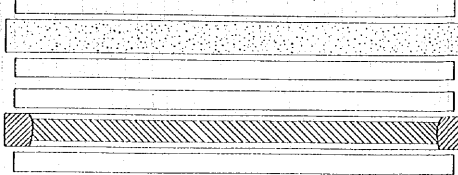
1:150
LEFT SIDE

- U-Web outside
- U-Flg
- U-Web inside
- L-Web inside
- L-Flg
- L-Web outside

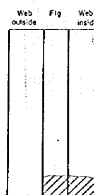
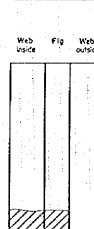


RIGHT SIDE

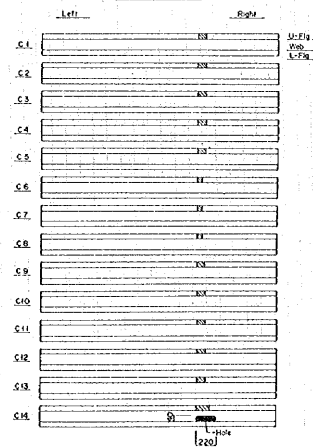
- U-Web outside
- U-Flg
- U-Web inside
- L-Web inside
- L-Flg
- L-Web outside



A2 END POST



CROSS BEAM

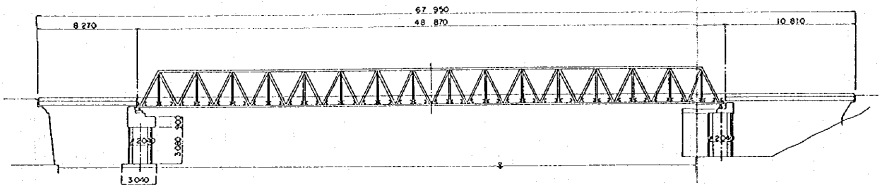


LEGEND OF DAMAGE (STEEL)

TYPE OF DAMAGES	INDICATION
FREE LIFE	
VERY CORROSION	
CORRODED PARTLY	
RUSTED	
NON-PAINTING	
LAMINATION	
PAINT DEGRADATION	
SEDIMENT	
WATER STAGNATION	
WATER STAIN BY STEEL	

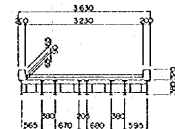
GENERAL VIEW

ELEVATION 1:150

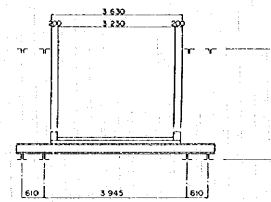


CROSS SECTION

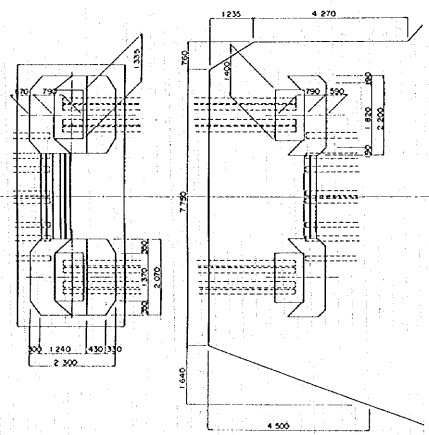
A1~P1, P2~A2 1:50



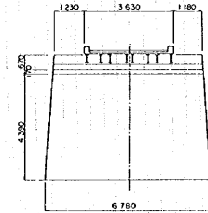
P1~P2 1:50



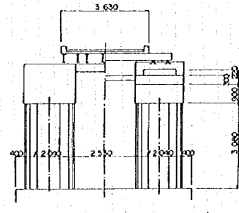
PLAN 1:50



A1 1:75



P1 1:75



PLAN 1:150

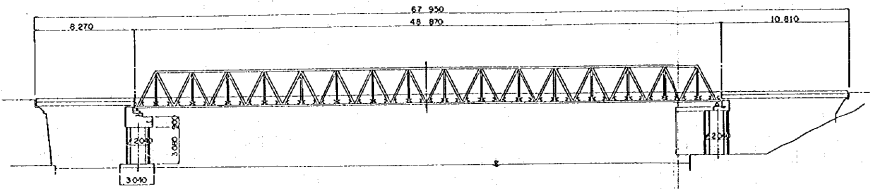


BRIDGE DATA :

SER NO & ROUTE	NO. 33 (B15)
PROVINCE	SOUTHERN
DISTRICT	KARUTARA
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE :
TYPE OF SUPERSTRUCTURE	STEEL SUBSTRUCTURE :
TYPE OF SUBSTRUCTURE	ST. TR/1/MS, AS/RS
TYPE OF SUBSTRUCTURE	ABUTMENT
TYPE OF SUBSTRUCTURE	PIER
TYPE BUILT	1945

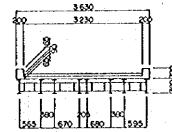
CORROSION & CRACK DIAGRAM

ELEVATION 1:150

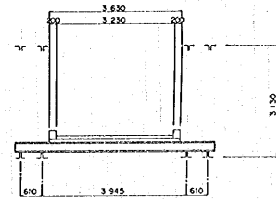


CROSS SECTION

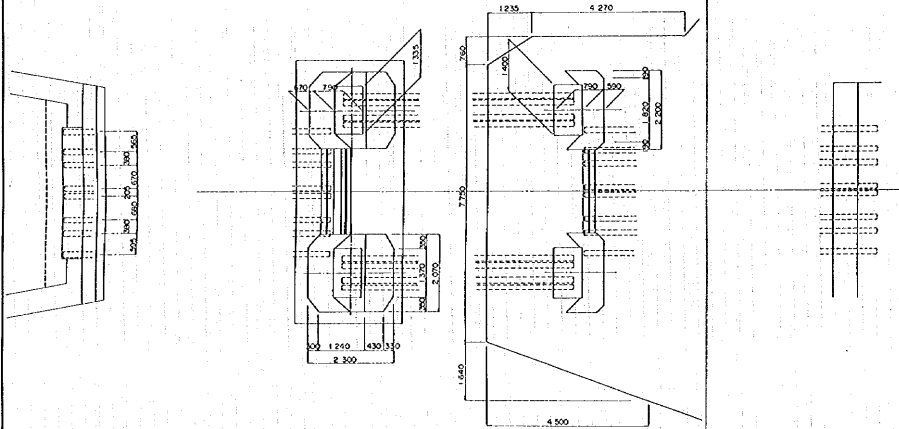
A1~P1, P2~A2 1:50



P1 ~ P2 1:50



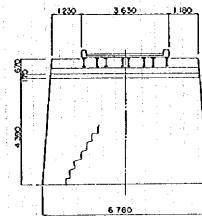
PLAN 1:50



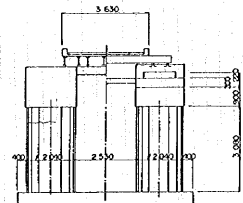
PLAN 1:150



A1 1:75



P1 1:75



LEGEND OF REHABILITATION WORK

CONCRETE	EPOXY INJECTION	↑
	PATCHING	▨
	PREFERENTIAL REPAIR WITH	▧
	ADDITIONAL REBAR	▩
STEEL	REPAINTING	←→

LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	—o—
FLAKING	○
REBAR EXPOSURE	⊗
FREE LIME	⊙
HONEY COMB	⊘
WEAR/EROSION	⊖
WATER STAIN	⊗
OTHERS	⊙

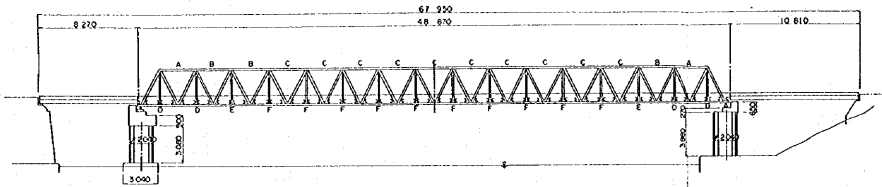
* O THE LENGTH OF CRACK
D MAXIMUM CRACK WIDTH



MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE	DRAWING NO.
CORROSION & CRACK DIAGRAM	SER NO. 33	AS SHOWN	LS - 6

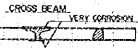
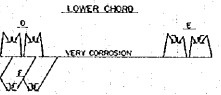
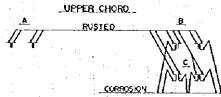
CORROSION DIAGRAM

ELEVATION 1:150



UPPER & LOWER CHORD

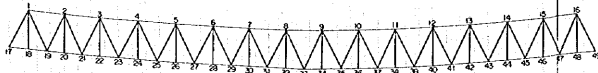
L - 155 #155 x 9 A - 4xL D - 4xL+4xPL
 PL - 155 x 9 B - 6xL E - 6xL+4xPL
 C - 8xL F - 8xL+4xPL



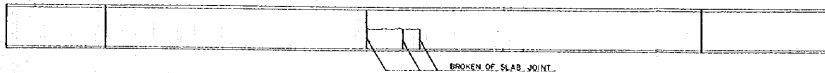
DEFLECTION OF TRUSS MEMBERS

UPPER CHORD		LOWER CHORD	
POINT	DEFLECTION	POINT	DEFLECTION
1	-0.818	27	-0.827
2	-0.818	28	-0.818
3	-0.818	29	-0.818
4	-0.818	30	-0.827
5	-0.818	31	-0.856
6	-0.818	32	-0.874
7	-0.818	33	-0.882
8	-0.818	34	-0.818
9	-0.818	35	-0.818
10	-0.818	36	-0.818
11	-0.818	37	-0.818
12	-0.818	38	-0.818
13	-0.818	39	-0.818
14	-0.818	40	-0.818
15	-0.818	41	-0.818
16	-0.818	42	-0.818
17	-0.818	43	-0.818
18	-0.818	44	-0.818
19	-0.818	45	-0.818
20	-0.818	46	-0.818
21	-0.818	47	-0.818
22	-0.818	48	-0.818
23	-0.818	49	-0.818
24	-0.818	50	-0.818
25	-0.818	51	-0.818
26	-0.818	52	-0.818
27	-0.818	53	-0.818
28	-0.818	54	-0.818
29	-0.818	55	-0.818
30	-0.818	56	-0.818
31	-0.818	57	-0.818
32	-0.818	58	-0.818
33	-0.818	59	-0.818
34	-0.818	60	-0.818
35	-0.818	61	-0.818
36	-0.818	62	-0.818
37	-0.818	63	-0.818
38	-0.818	64	-0.818
39	-0.818	65	-0.818
40	-0.818	66	-0.818
41	-0.818	67	-0.818
42	-0.818	68	-0.818
43	-0.818	69	-0.818
44	-0.818	70	-0.818
45	-0.818	71	-0.818
46	-0.818	72	-0.818
47	-0.818	73	-0.818
48	-0.818	74	-0.818
49	-0.818	75	-0.818
50	-0.818	76	-0.818
51	-0.818	77	-0.818
52	-0.818	78	-0.818
53	-0.818	79	-0.818
54	-0.818	80	-0.818
55	-0.818	81	-0.818
56	-0.818	82	-0.818
57	-0.818	83	-0.818
58	-0.818	84	-0.818
59	-0.818	85	-0.818
60	-0.818	86	-0.818
61	-0.818	87	-0.818
62	-0.818	88	-0.818
63	-0.818	89	-0.818
64	-0.818	90	-0.818
65	-0.818	91	-0.818
66	-0.818	92	-0.818
67	-0.818	93	-0.818
68	-0.818	94	-0.818
69	-0.818	95	-0.818
70	-0.818	96	-0.818
71	-0.818	97	-0.818
72	-0.818	98	-0.818
73	-0.818	99	-0.818
74	-0.818	100	-0.818

DEFLECTION OF TRUSS MEMBERS DIAGRAM
UP STREAM SIDE

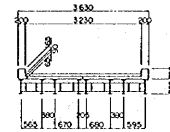


PLAN 1:150



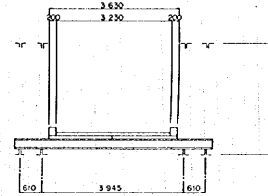
CROSS SECTION

A1~P1, P2~A2, 1:50

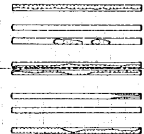


PRECAST CONCRETE SLAB 1-65TH
 (CONSTRUCTED 1975.1.7)

P1~P2, 1:50



P2~A2 RSJ UNDERFACE

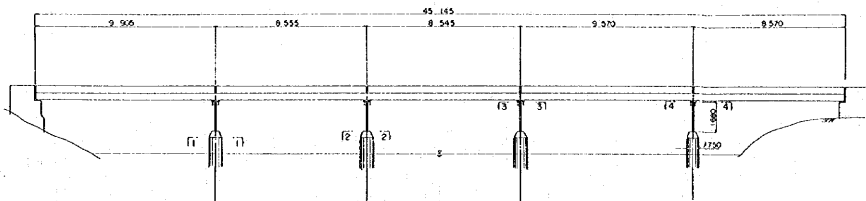


LEGEND OF DAMAGE (STEEL)

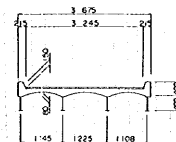
TYPE OF DAMAGES	INDICATION
FREE LIME	
VERY CORROSION	
CORRODED PARTIC	
RUSTED	
NON-PAINTING	
LAMINATION	
PAINT DEGRADATION	
SEDIMENT	
WATER STAGNATION	
WATER STAIN or STAIN	

GENERAL VIEW

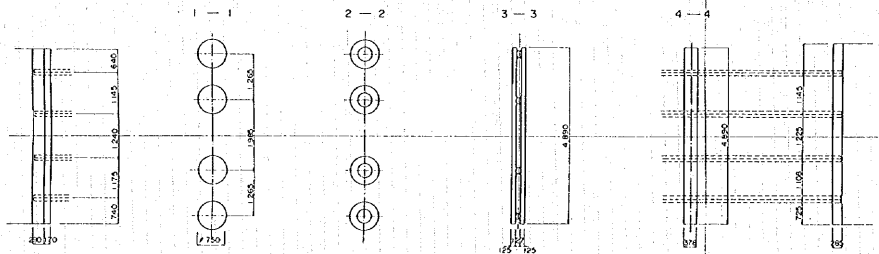
ELEVATION 1:100



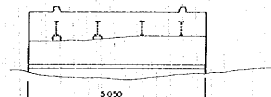
CROSS SECTION 1:50



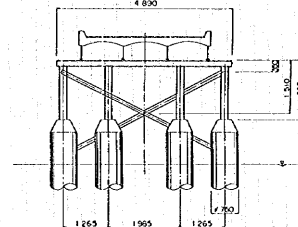
PLAN 1:50



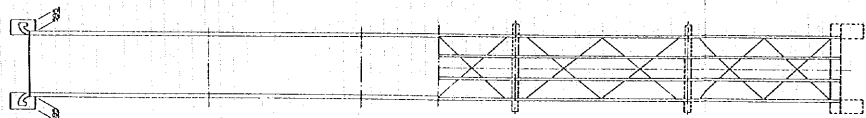
A2



P4



PLAN 1:100



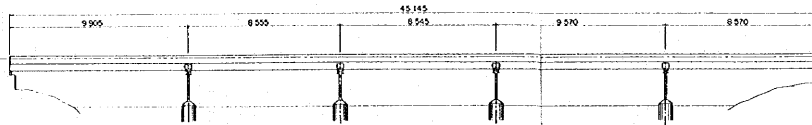
BRIDGE DATA :

SER NO & ROUTE	NO. 59 (B193)
PROVINCE	SOUTHERN
DISTRICT	GALLE
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE
TYPE OF SUPERSTRUCTURE	STEEL
TYPE OF SUBSTRUCTURE	PIERCING
TYPE OF SUBSTRUCTURE	CONCRETE WALL / PIER
TYPE OF SUBSTRUCTURE	STEEL FRAME/CYLINDER
TECH UNIT	

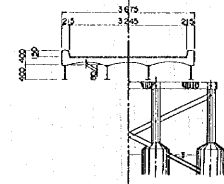
JICA	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO.
	GENERAL VIEW	SER NO 59	AS SHOWN	C - 11

CORROSION DIAGRAM

ELEVATION 1:100

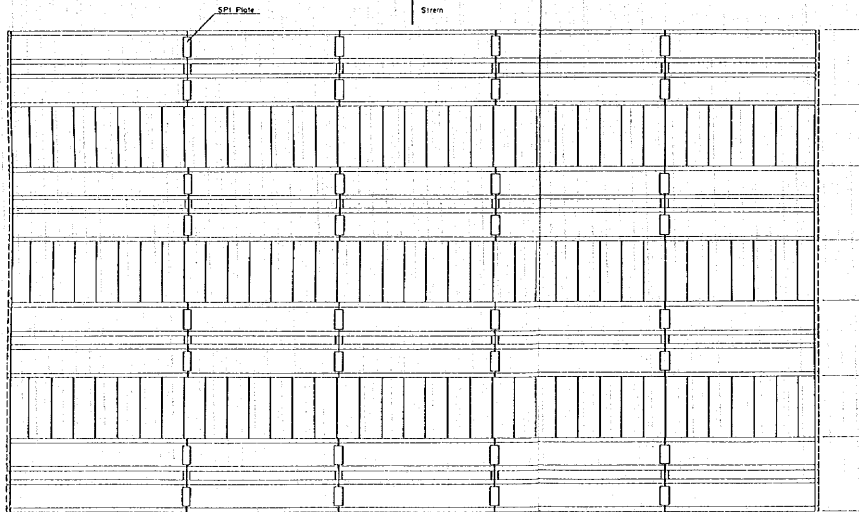


CROSS SECTION 1:50

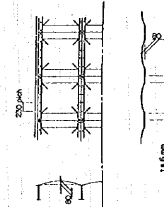


GIRDER & SLAB UNDERFACE H:1:100 V:1:30

DECK
 W.B. OUT SIDE
 L-Flg. UPPER
 W.B. INSIDE
 U-Flg.
 SLAB UNDERFACE
 (BUCKLE)



BUCKLE PLATE



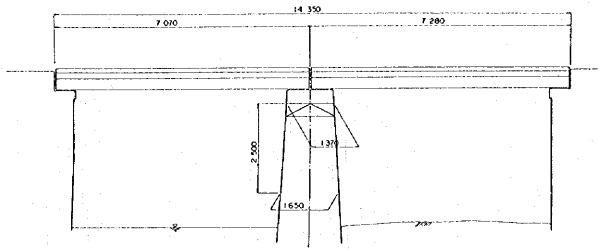
LEGEND OF DAMAGE (STEEL)

TYPE OF DAMAGES	INDICATION
FREE LIME	(Symbol)
VERY CORROSION	(Symbol)
CORRODED PARTLY	(Symbol)
RUSTED	(Symbol)
NON-PAINTING	(Symbol)
LAMINATION	(Symbol)
PAINT DEGRADATION	(Symbol)
SEDIMENT	(Symbol)
ENTER STAGNATION	(Symbol)
FREE STATE OF STATE	(Symbol)

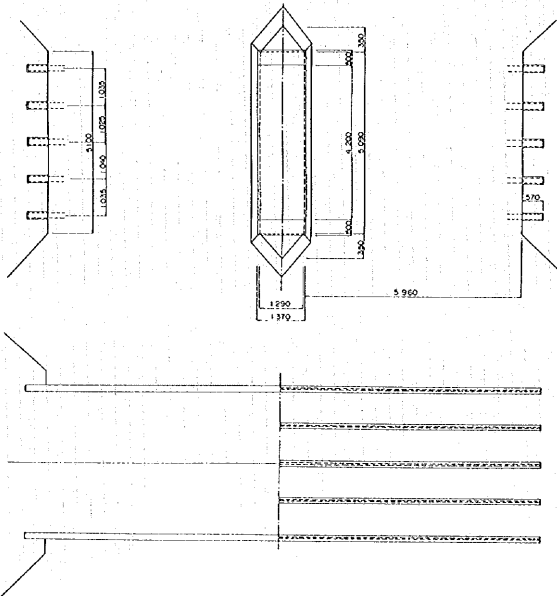
Stream

GENERAL VIEW

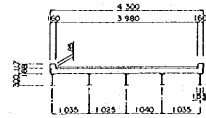
ELEVATION



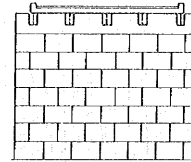
PLAN



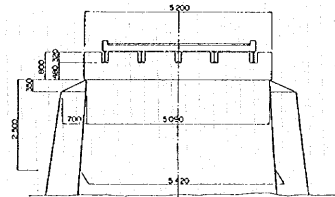
CROSS SECTION



A1



P1

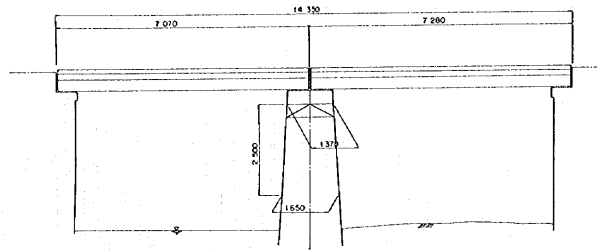


BRIDGE DATA :

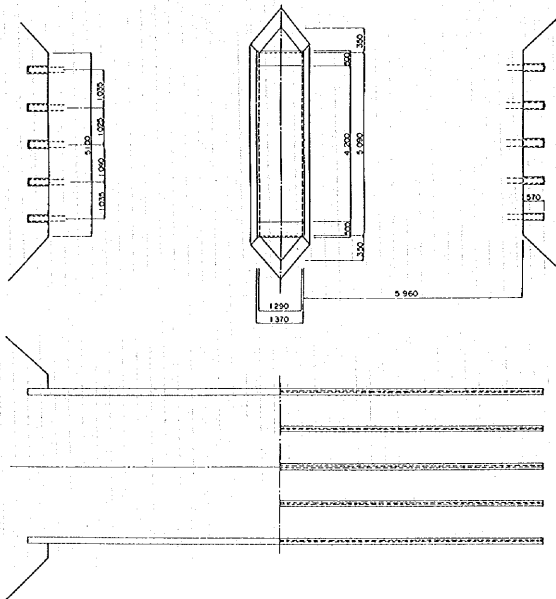
SER NO. & ROUTE	NO. 20 (2014)
PROVINCE	NORTH WESTERN
DISTRICT	KUADNEGALA
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE : STEEL SUBSTRUCTURE :
TYPE OF SUPERSTRUCTURE	AS/DOB
TYPE OF SUBSTRUCTURE	ABUTMENT / BRIDGE BENCH / PIER
TEMP BUILT	PRECAST STONE

CORROSION & CRACK DIAGRAM SER No 20

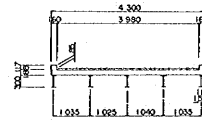
ELEVATION



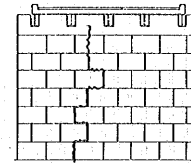
PLAN



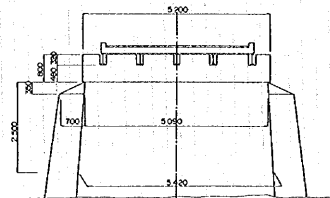
CROSS SECTION



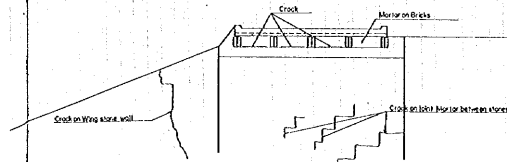
A1



P1



A2



LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	—○—
FLAKING	○
REBAR EXPOSURE	○
FREE LIME	○
HONEY COMB	○
WEAR/EROSION	○
WATER STAIN	○
OTHERS	○

* ○ THE LENGTH OF CRACK
○ MAXIMUM CRACK WIDTH

LEGEND OF DAMAGE (STEEL)

TYPE OF DAMAGES	INDICATION
CORROSION	○
LAMINATION	○
PAINT DETERIORATION	○
WATER STAIN	○

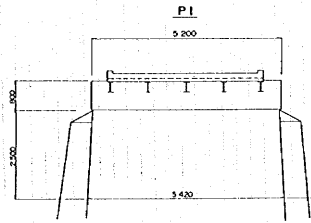
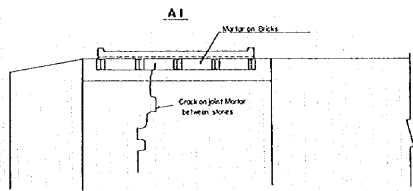
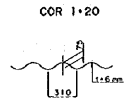
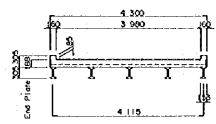
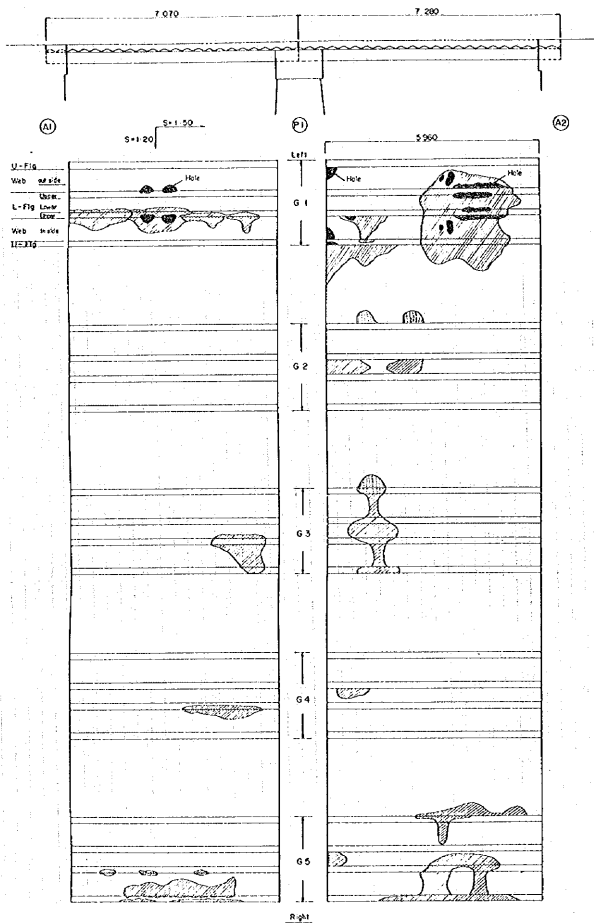


MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

TITLE OF DRAWING BRIDGE NAME / NO. SCALE DRAWING NO.

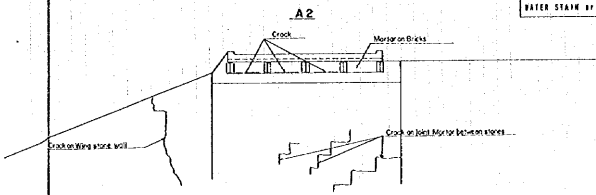
CORROSION & CRACK DIAGRAM SER No 20 SER NO.20 AS SHOWN DSS - 14

CORROSION DIAGRAM



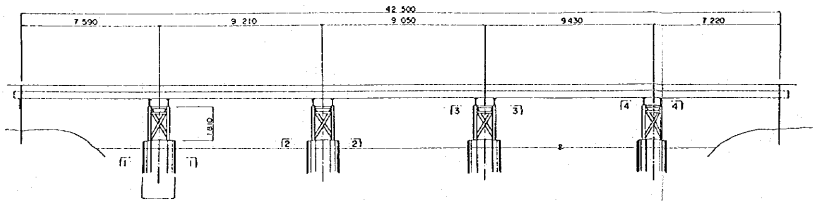
LEGEND OF DAMAGES (STEEL)

TYPE OF DAMAGES	INDICATION
FREE LIME	
VERY CORROSION	
CORRODED PARTLY	
RUSTED	
NON-PAINTING	
LAMINATION	
PAINT DETEGRICATION	
SEDIMENT	
WATER STAGNATION	
WATER STAIN BY STAIN	

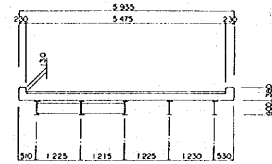


GENERAL VIEW

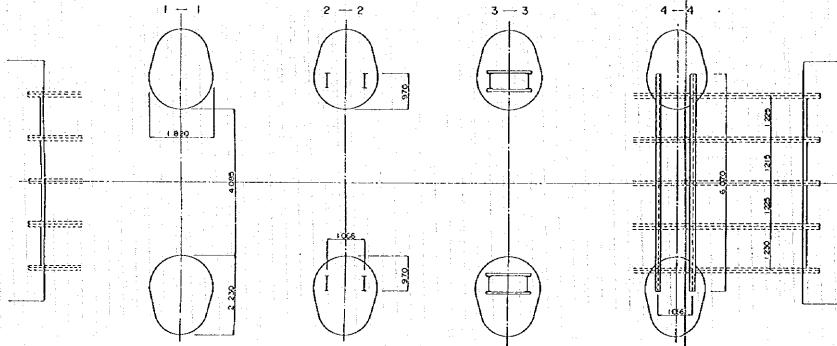
ELEVATION 1:100



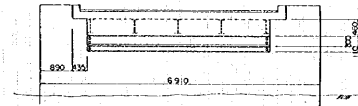
CROSS SECTION 1:50



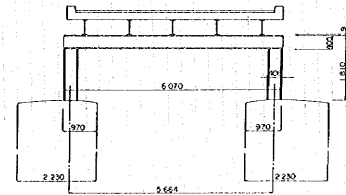
PLAN 1:50



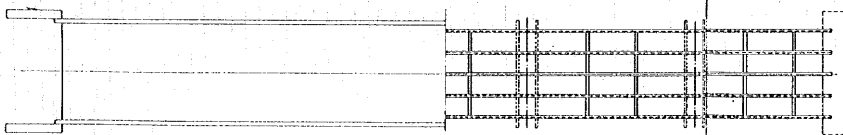
A1



P1



PLAN 1:100



BRIDGE DATA :

SER NO. & ROUTE	NO. 11 (0195)
PROVINCE	WESTERN
DISTRICT	COLOMBO
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE: STEEL SUBSTRUCTURE:
TYPE OF SUPERSTRUCTURE	STEEL BRACED
TYPE OF SUBSTRUCTURE	ABUTMENT CONCRETE WALL/ PIER STEEL FRAME / CAISSON
YEAR BUILT	1988

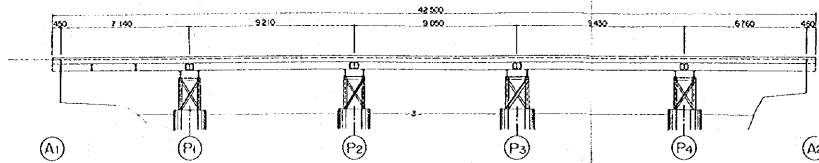


MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

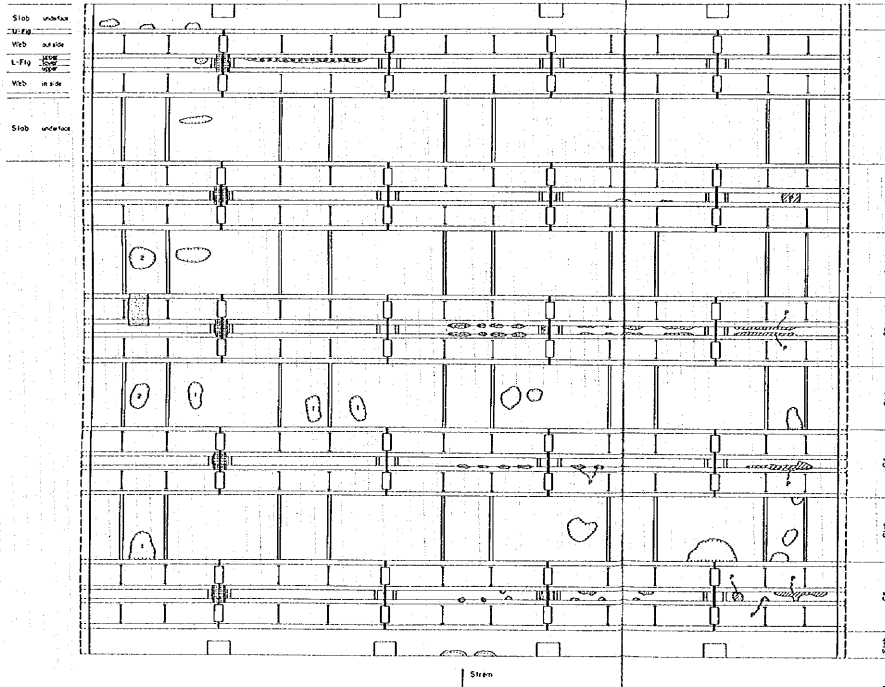
TITLE OF DRAWING	BRIDGE, NAME / NO.	SCALE	DRAWING NO.
GENERAL VIEW	SER NO. 70	AS SHOWN	1888-12

CORROSION DIAGRAM (1/3)

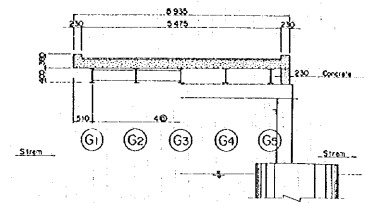
ELEVATION 1:100



GIRDER & SLAB UNDERFACE V=1:30 H=1:100



CROSS SECTION 1:50



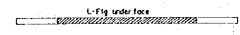
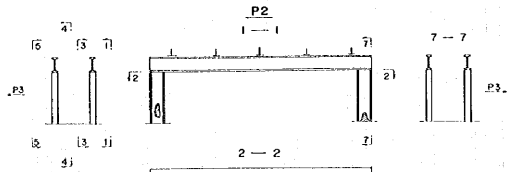
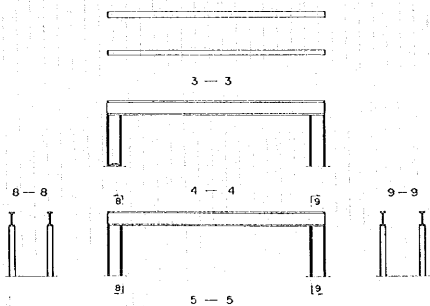
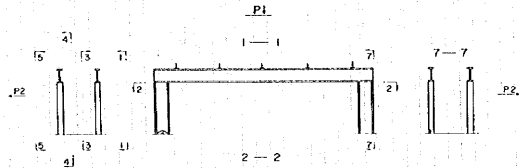
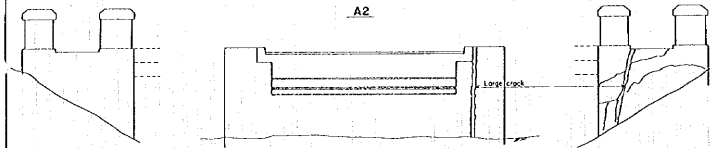
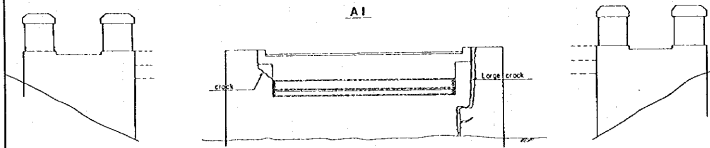
LEGEND OF DAMAGE

TYPE OF DAMAGES		INDICATION
SLAB	FLAKING	
	FREE LIME	
	FREE LIME (2 directions)	
	FREE LIME (3 directions)	
STEEL	VERY CORROSION	
	CORRODED PARTLY	
	RUSTED	
	NON-PAINTING	
	LAMINATION	
	PAINT DETERIORATION	
	SEDIMENT	
WATER STAGNATION		
WATER STAIN OR STAIN		



MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA		
TITLE OF DRAWING	BRIDGE NAME / NO	SCALE
CORROSION DIAGRAM (1/3)	SER NO. 70	AS SHOWN
		DRAWING NO
		DSS - 17

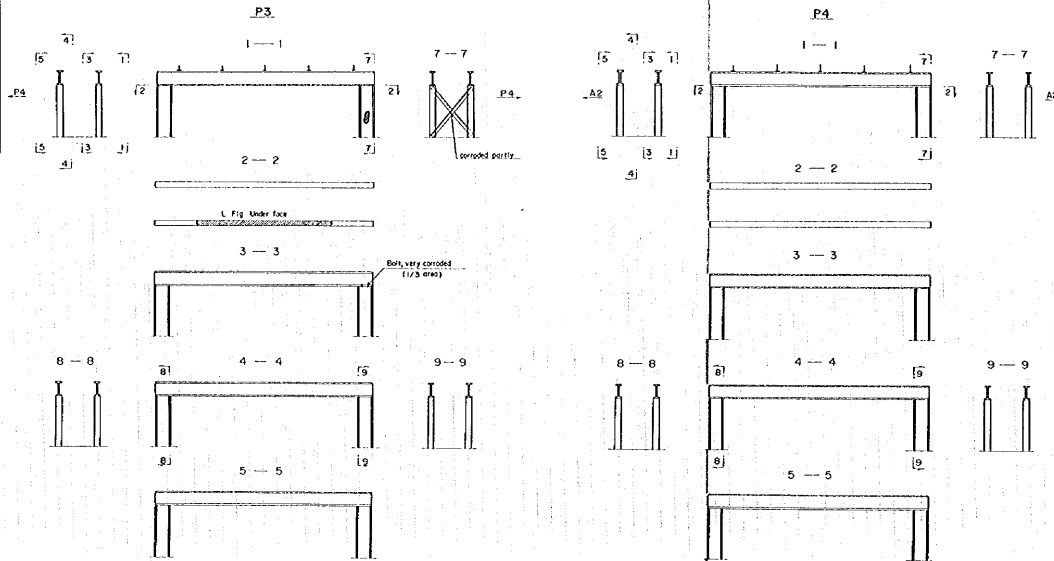
CORROSION DIAGRAM (2 / 3)



LEGEND OF DAMAGE (STEEL)

TYPE OF DAMAGES	INDICATION
FREE LIME	
VERY CORROSION	
CORRODED PARTLY	
RUSTED	
NON-PAINTING	
LAMINATION	
PAINT DEGRADATION	
SEDIMENT	
WATER STAGNATION	
WATER STAIN BY STAIN	

CORROSION DIAGRAM (3 / 3)

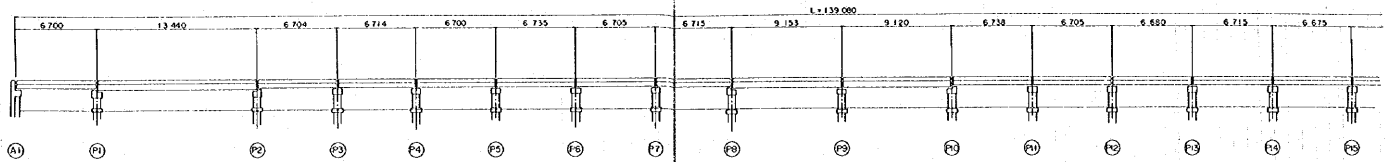


LEGEND OF DAMAGE (STEEL)

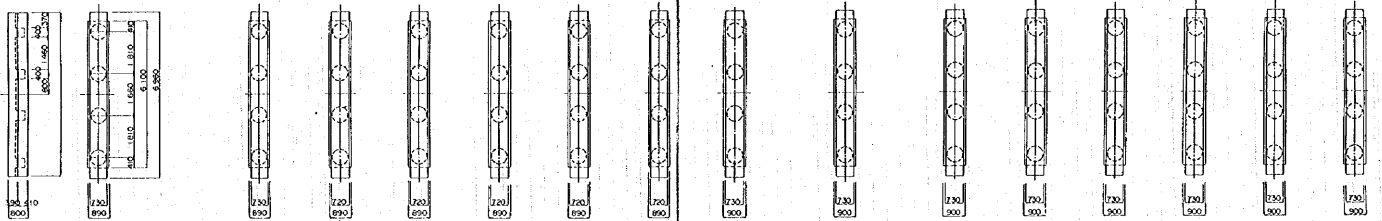
TYPE OF DAMAGES	INDICATION
FREE LIME	
VERY CORROSION	
CORRODED PARTLY	
RUSTED	
NON-PAINING	
LAMINATION	
PAINT DETERIORATION	
SEDIMENT	
WATER STAGNATION	
WATER STAIN BY STAIN	

GENERAL VIEW (I)

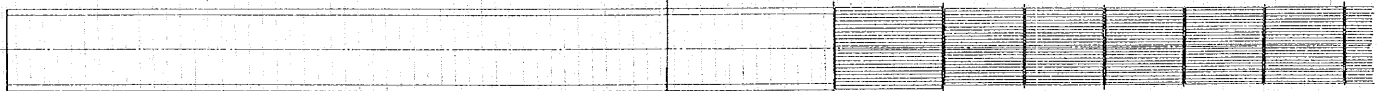
ELEVATION 1:150



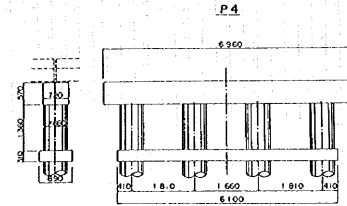
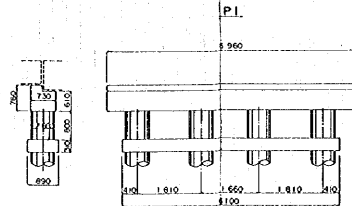
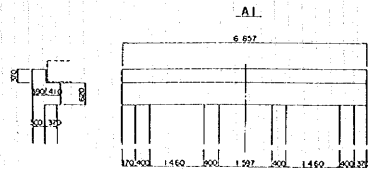
PLAN 1:50



PLAN 1:150



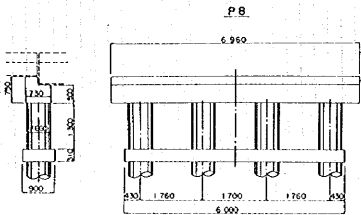
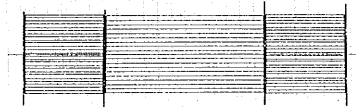
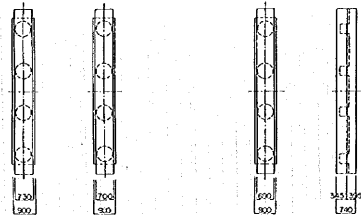
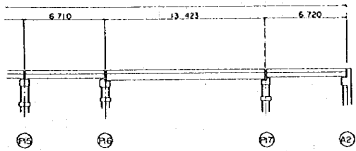
CROSS SECTION 1:50



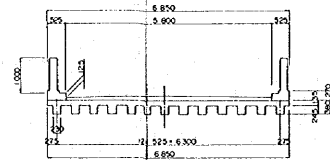
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE	DRAWING NO.
	GENERAL VIEW (I)	SER NO. 7	AS SHOWN	DC - 70

GENERAL VIEW (2)

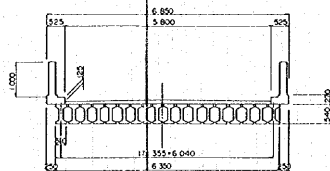
CROSS SECTION 1:50



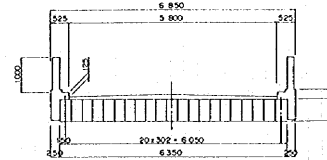
A1-P1, P2-P8, P10~P16, P17~A2



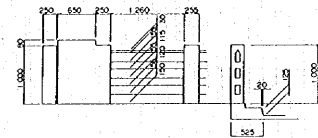
P1~P2, P16~P17



P8~P10



HAND RAIL 1:30



BRIDGE DATA :

SER NO. & ROUTE	NO. 7 (B115)
PROVINCE	WESTERN
DISTRICT	GAMPAHA
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE :
	STEEL SUBSTRUCTURE :
TYPE OF SUPERSTRUCTURE	PSC/PRE. RCB
TYPE OF SUBSTRUCTURE	ABUTMENT PILE BENT
	PIER PILE BENT
YEAR BUILT	

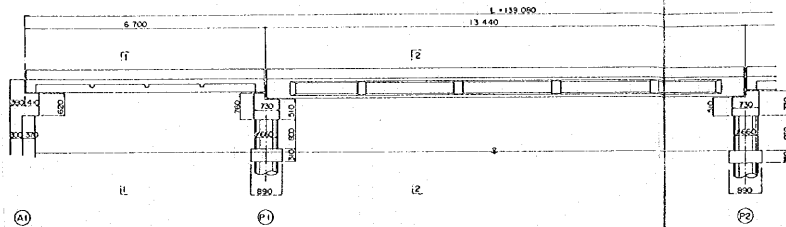


MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

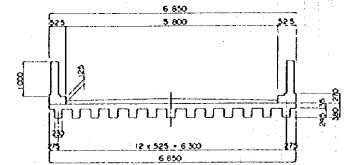
TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE	DRAWING NO.
GENERAL VIEW (2)	SER NO. 7	AS SHOWN	DCX-21

CRACK DIAGRAM OF SUPERSTRUCTURE (1)

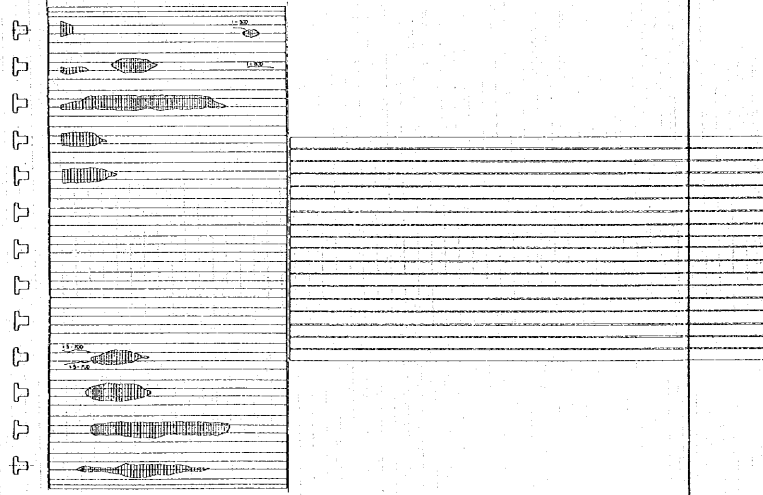
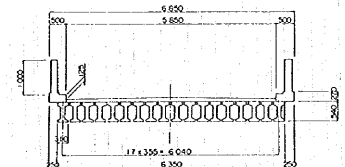
ELEVATION 1:50



CROSS SECTION 1:50



2 - 2



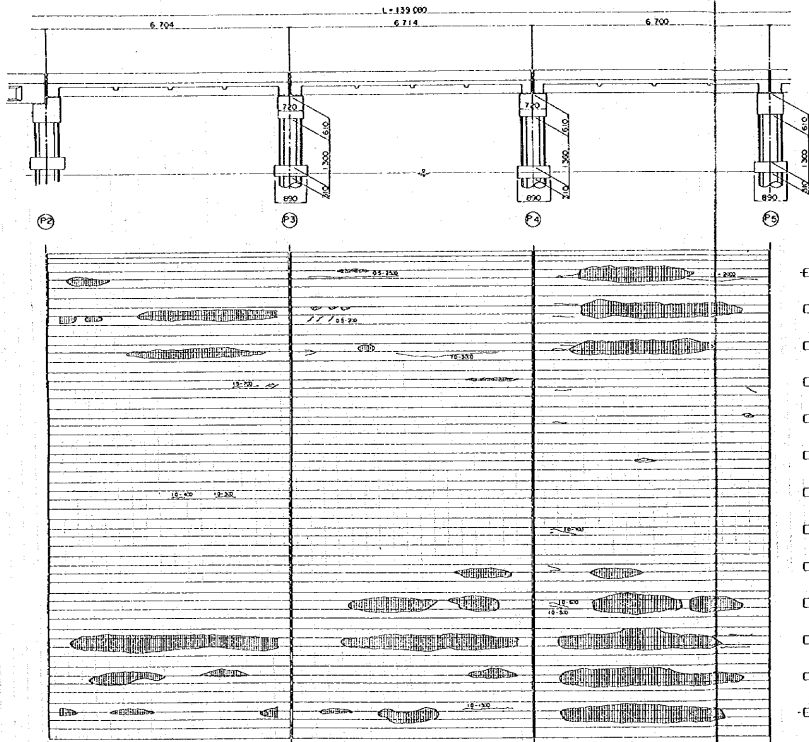
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

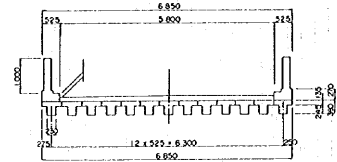
* O THE LENGTH OF CRACK
O MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUPERSTRUCTURE (2)

ELEVATION 1:50



CROSS SECTION 1:50



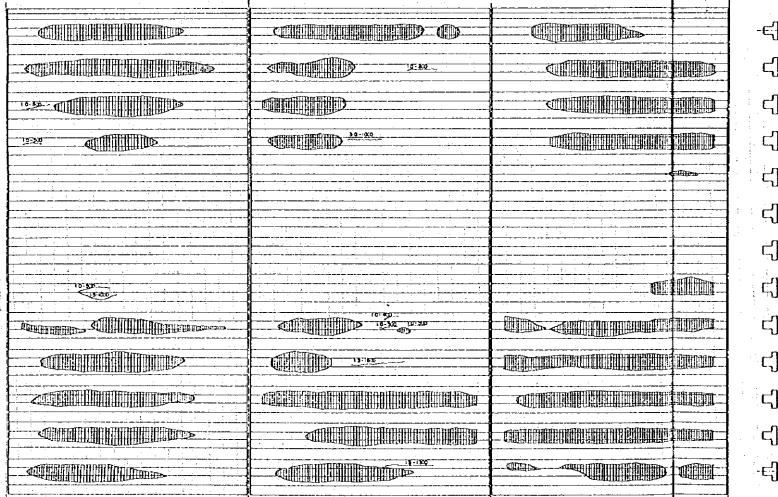
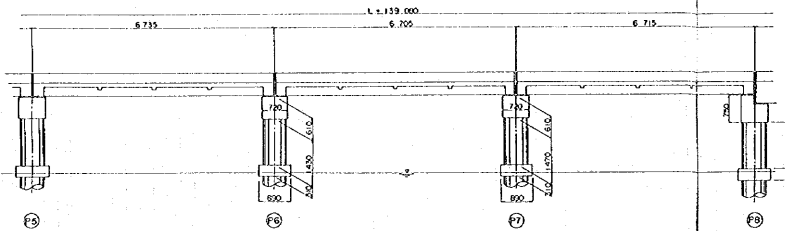
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	D-O
FLAKING	[Symbol]
REBAR EXPOSURE	[Symbol]
FREE LIME	[Symbol]
HONEY COMB	[Symbol]
WEAR/EROSION	[Symbol]
WATER STAIN	[Symbol]
OTHERS	[Symbol]

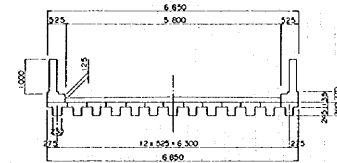
* TO THE LENGTH OF CRACK
 O MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUPERSTRUCTURE (3)

ELEVATION 1:50



CROSS SECTION 1:50



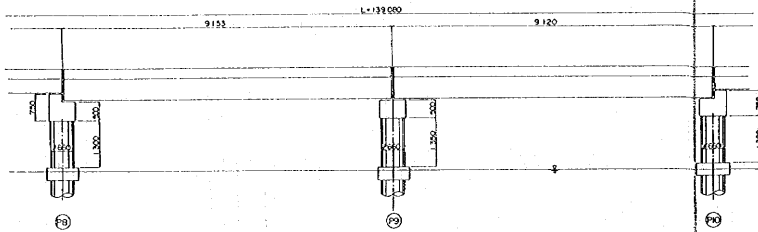
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	D-O
FLACKING	[Symbol]
REBAR EXPOSURE	[Symbol]
FREE LIME	[Symbol]
HONEY COMB	[Symbol]
WEAR/EROSION	[Symbol]
WATER STAIN	[Symbol]
OTHERS	[Symbol]

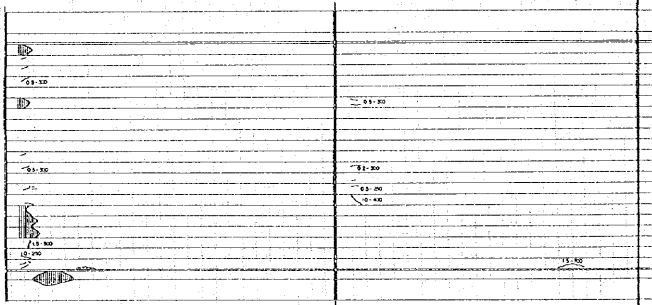
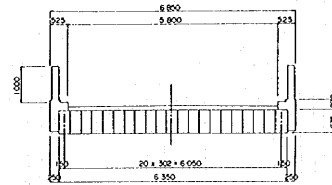
* O - THE LENGTH OF CRACK
 □ - MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUPERSTRUCTURE (4)

ELEVATION 1:50



CROSS SECTION 1:50



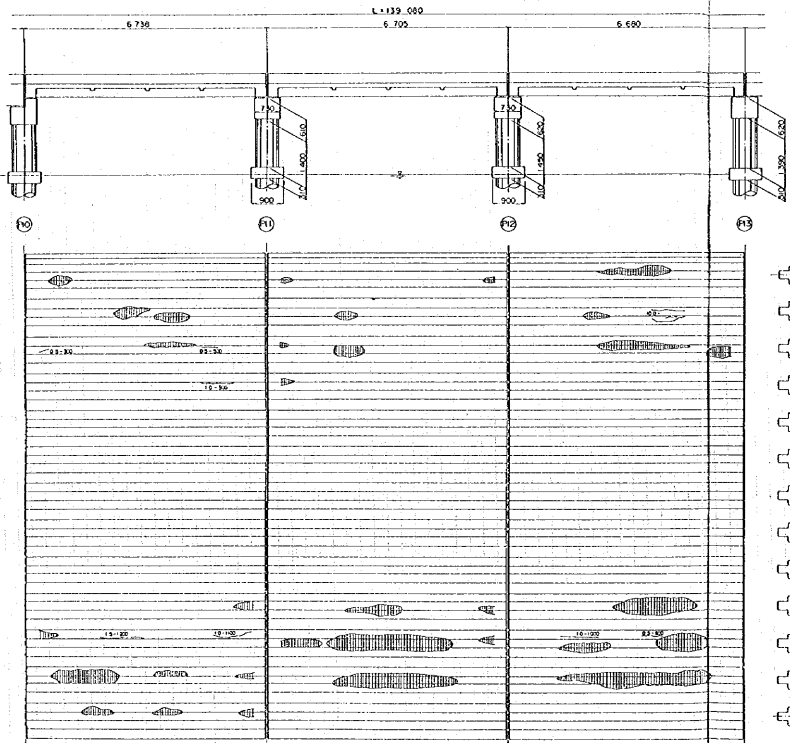
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

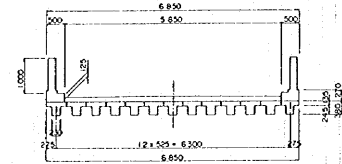
* O THE LENGTH OF CRACK
 □ MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUPERSTRUCTURE (5)

ELEVATION 1:50



CROSS SECTION 1:50



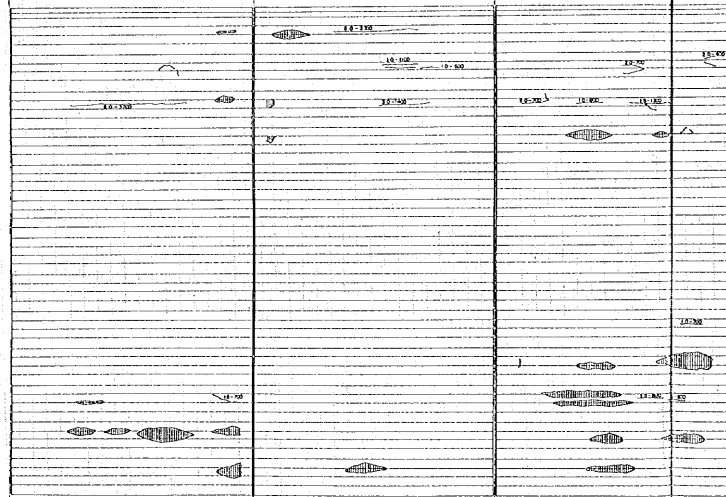
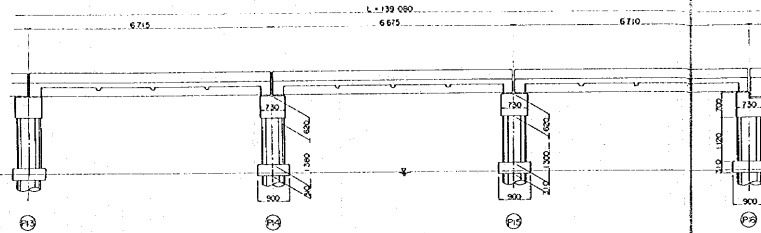
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

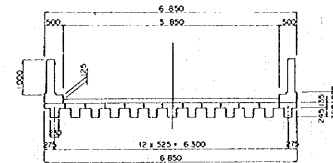
* G THE LENGTH OF CRACK
Q MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUPERSTRUCTURE (6)

ELEVATION 1:50



CROSS SECTION 1:50



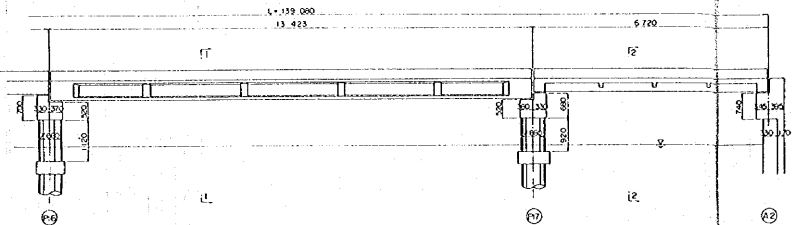
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	— 0 —
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

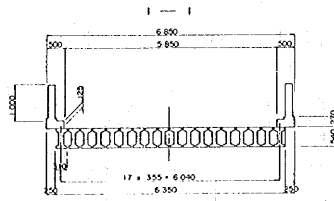
* 0 THE LENGTH OF CRACK
 0 MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUPERSTRUCTURE (7)

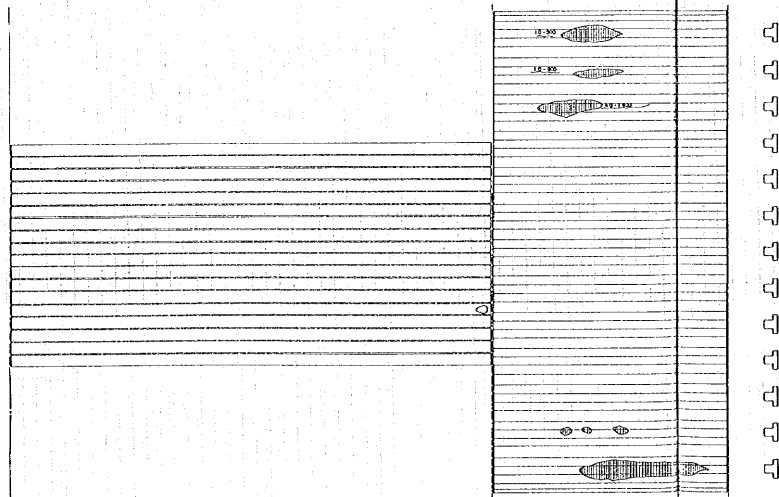
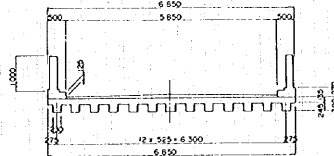
ELEVATION 1:50



CROSS SECTION 1:50



2-2



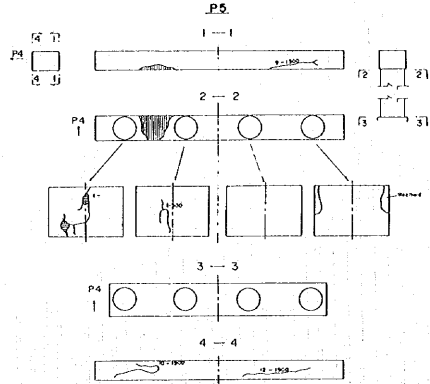
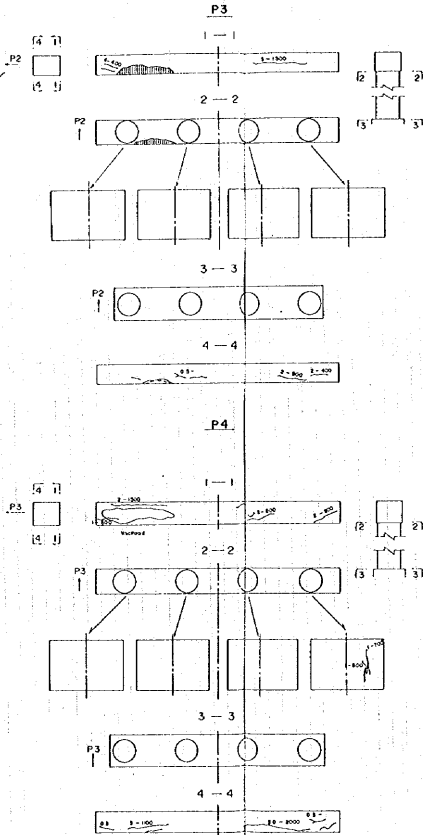
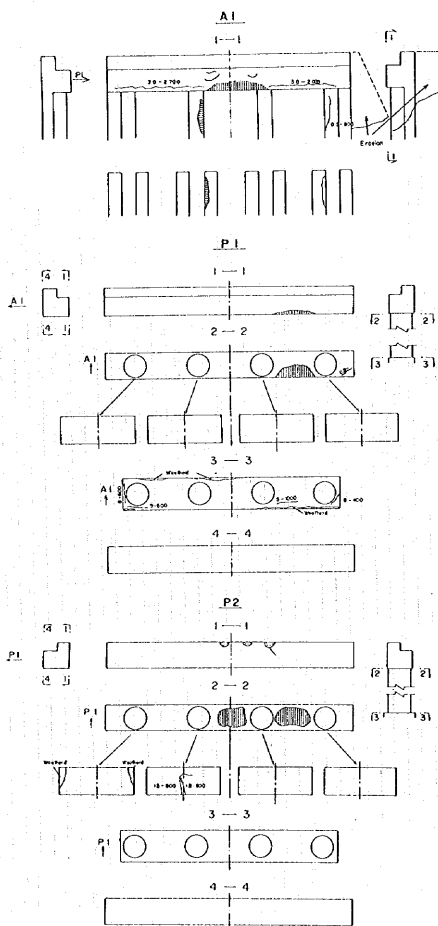
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLACKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

* O - LENGTH OF CRACK
 □ - MAXIMUM CRACK WIDTH

	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA	BRIDGE NAME / NO	SCALE	DRAWING NO.
	CRACK DIAGRAM OF SUPERSTRUCTURE(7)	SER NO. 7	AS SHOWN	AS PC

CRACK DIAGRAM OF SUBSTRUCTURE (I)

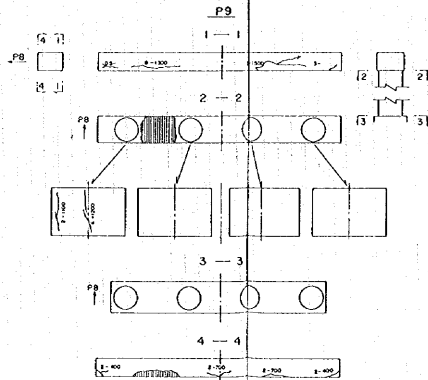
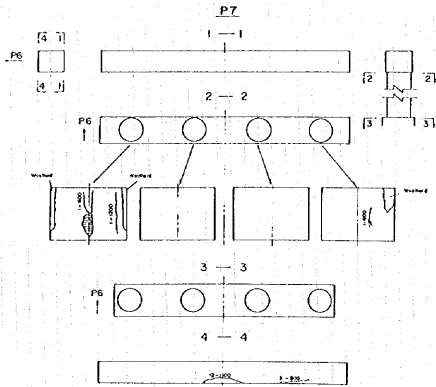
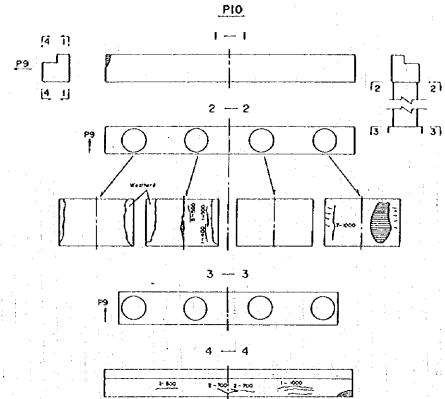
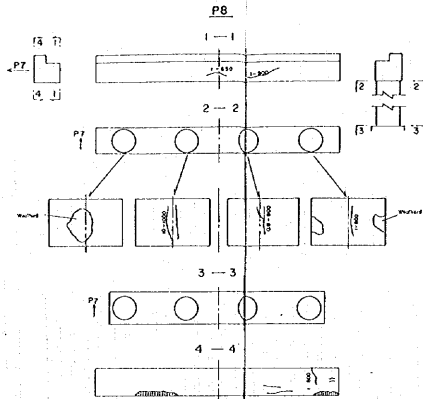
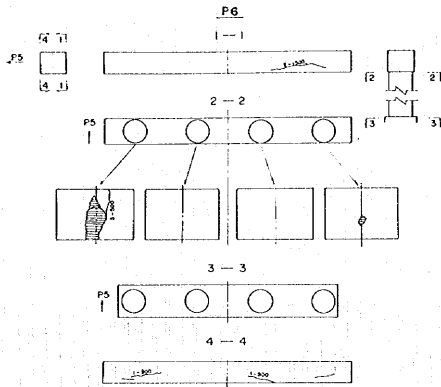


LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

* O' THE LENGTH OF CRACK
 □ MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUBSTRUCTURE (2)

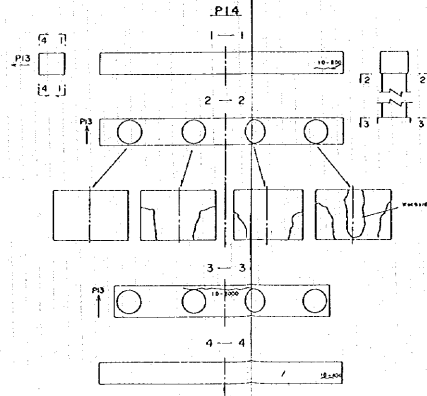
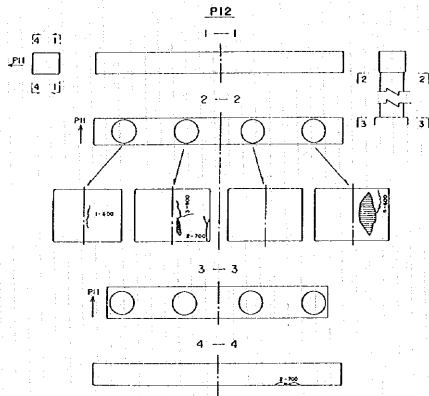
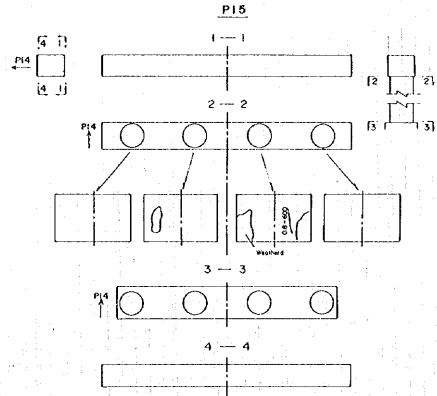
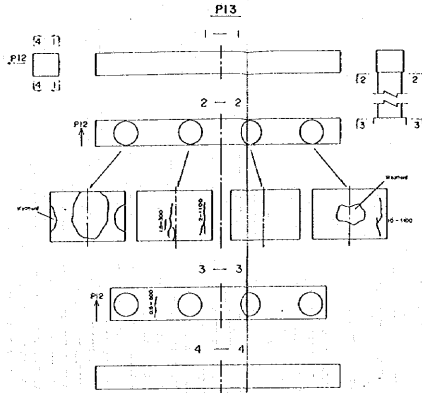
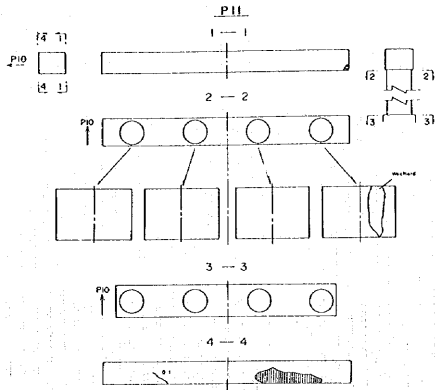


LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

* TO THE LENGTH OF CRACK
O MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUBSTRUCTURE (3)

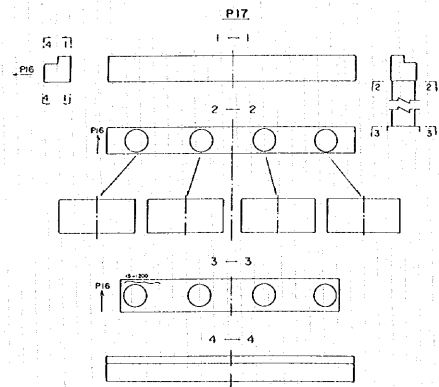
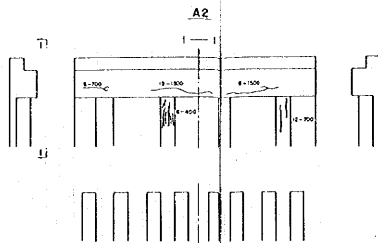
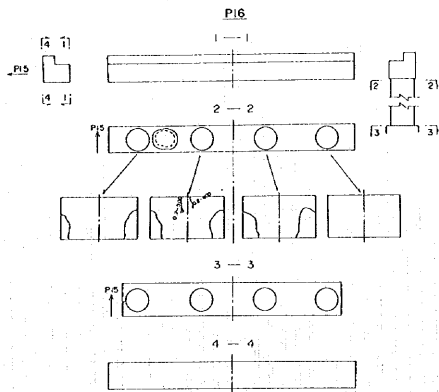


LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLAKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

* ϕ THE LENGTH OF CRACK
 \square MAXIMUM CRACK WIDTH

CRACK DIAGRAM OF SUBSTRUCTURE (4)



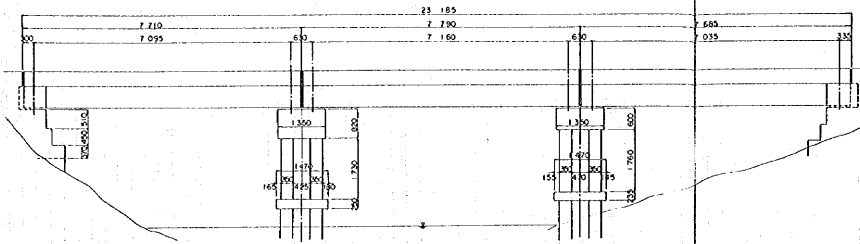
LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	
FLACKING	
REBAR EXPOSURE	
FREE LIME	
HONEY COMB	
WEAR/EROSION	
WATER STAIN	
OTHERS	

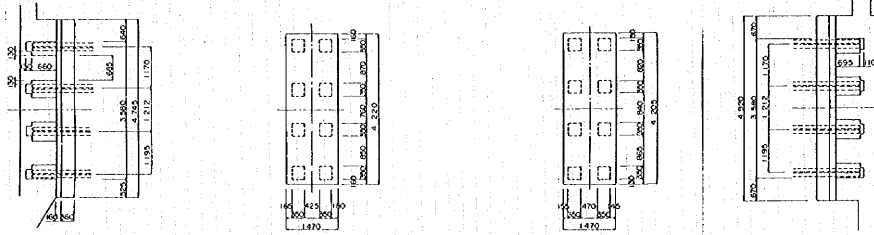
* Ø THE LENGTH OF CRACK
 Q MAXIMUM CRACK WIDTH

GENERAL VIEW

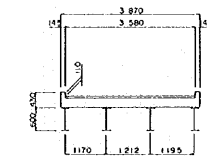
ELEVATION



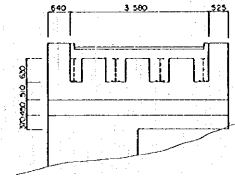
PLAN



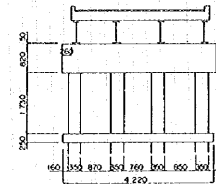
CROSS SECTION



A-1



P-1



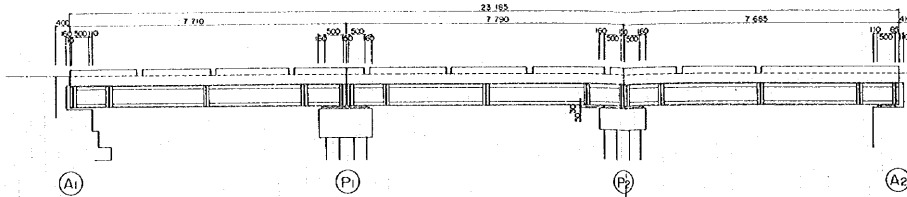
BRIDGE DATA :

SEC NO. & ROUTE	NO. 211 (RHS)
PROVINCE	WESTERN
DISTRICT	GAMPaha
DESIGN LIVE LOAD	
MATERIAL YIELD STRENGTH	CONCRETE SUPERSTRUCTURE: STEEL SUBSTRUCTURE :
TYPE OF SUPERSTRUCTURE	RSJ/RCS
TYPE OF SUBSTRUCTURE	ABUTMENT CONCRETE/SPREAD PIER PILE BENT
YEAR BUILT	1971

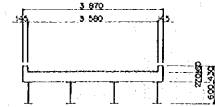
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO.
	GENERAL VIEW	SER NO. 211	A5 SHOAN	DS-33

CORROSION & CRACK DIAGRAM

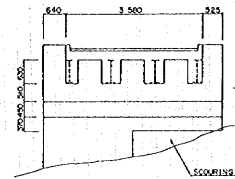
ELEVATION



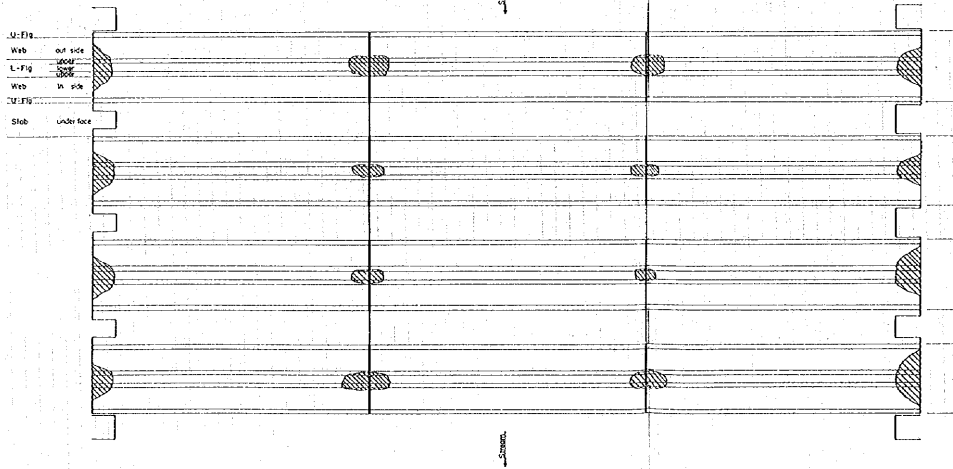
CROSS SECTION



A1



GIRDER & SLAB UNDERFACE

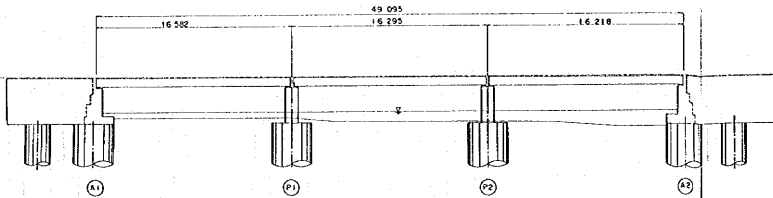


LEGEND OF DAMAGE

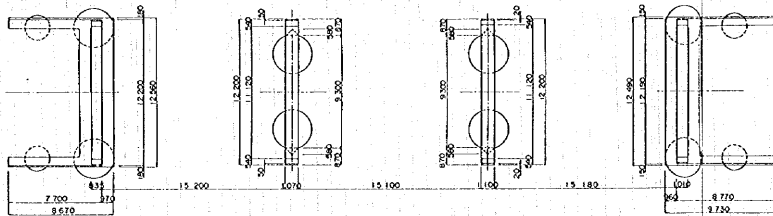
	TYPE OF DAMAGES	INDICATION
SLAB	FLACKING	
	FREE LINE	
	CONCRETE	
	FREE LINE (2 @ 100mm)	
STEEL	VERY CORROSION	
	CORRODED PARTLY	
	RUSTED	
	NON-PAINTING	
	LAMINATION	
	PAINT DEGRADATION	
	SEDIMENT	
	WATER STAGNATION	
	WATER STAIN or STAIN	

GENERAL VIEW

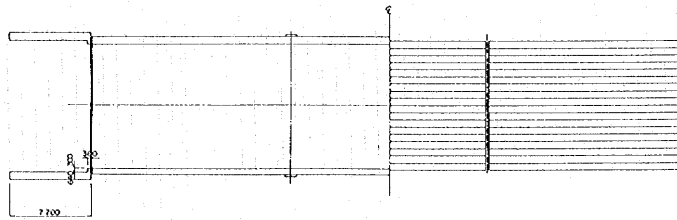
ELEVATION 1:150



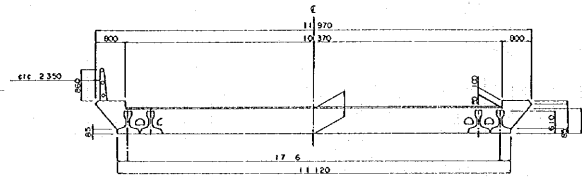
PLAN 1:150



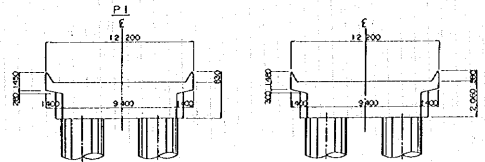
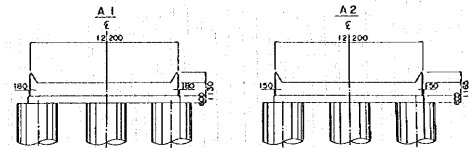
PLAN 1:150



CROSS SECTION OF SUPERSTRUCTURE 1:150



CROSS SECTION OF SUBSTRUCTURE 1:150



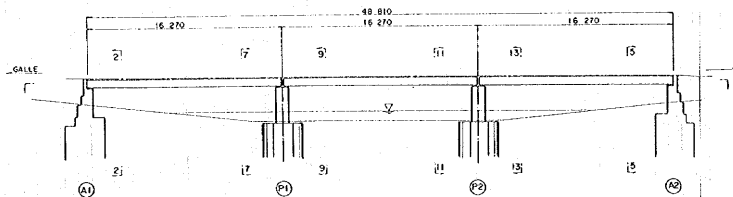
BRIDGE DATA :

SER NO & ROUTE	NO 213 (A1111)
PROVINCE	SOUTHERN
DISTRICT	WATARA
DESIGN LIVE LOAD	PK-100/100TAS
MATERIAL YIELD STRENGTH	CONCRETE : SUPERSTRUCTURE : GRADE M/25 SUBSTRUCTURE :
TYPE OF SUPERSTRUCTURE	RCB
TYPE OF SUBSTRUCTURE	PSC/PRE
TYPE OF SUBSTRUCTURE	ABUTMENT : NO WALL/CAISSON
YEAR BUILT	PIER : NO WALL/CAISSON 1985

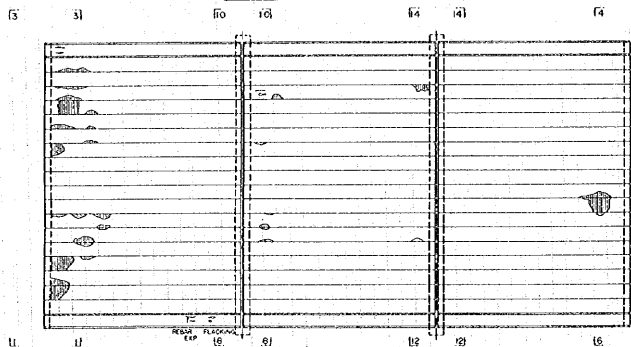
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA		
	TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE
	GENERAL VIEW	SER NO. 212	A5 SHOWN
			DRAWING NO. DS-35

CRACK DIAGRAM

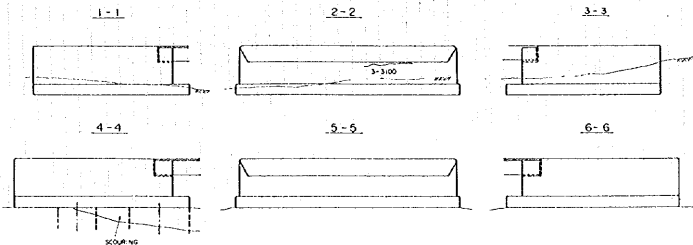
ELEVATION 1:150



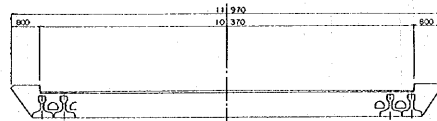
CRACK DIAGRAM OF SLAB BOTTOM 1:150
1:175



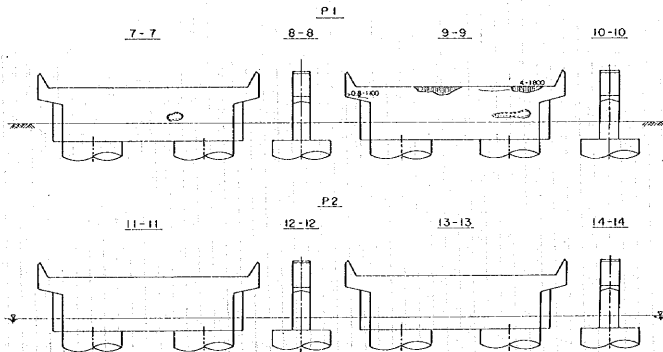
CRACK DIAGRAM OF ABUTMENT 1:100



CROSS SECTION 1:50



CRACK DIAGRAM OF PIER 1:100



LEGEND OF DAMAGE (CONCRETE)

TYPE OF DAMAGES	INDICATION
CRACK*	0-0
FLAKING	[Symbol]
REBAR EXPOSURE	[Symbol]
FREE LIME	[Symbol]
HONEY COMB	[Symbol]
WEAR/EROSION	[Symbol]
WATER STAIN	[Symbol]
OTHERS	[Symbol]

* O THE LENGTH OF CRACK
O MAXIMUM CRACK WIDTH

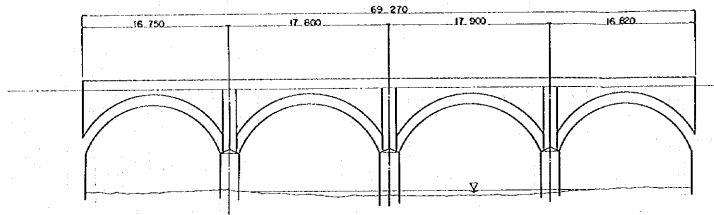
2. MAINTENANCE AND REHABILITATION DRAWINGS

LIST OF DRAWINGS

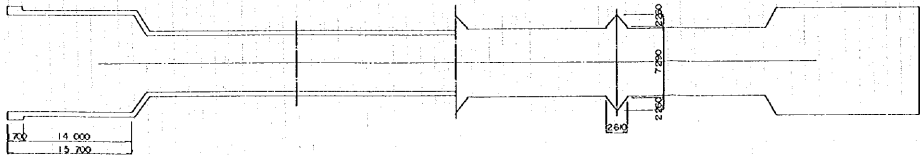
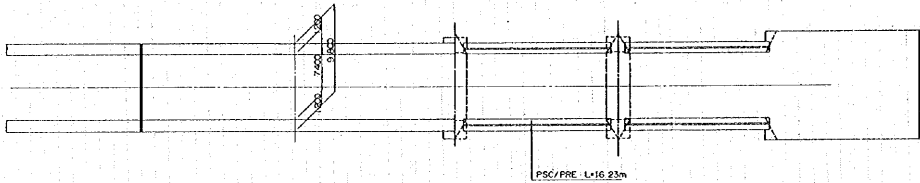
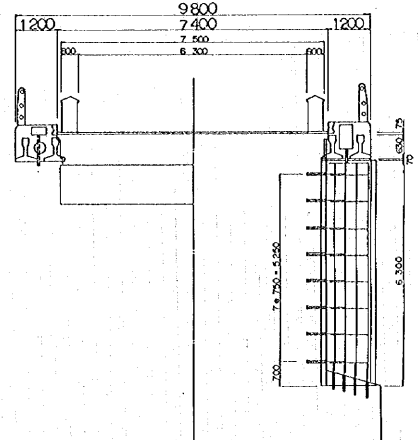
BRIDGE NO	TITLE OF DRAWING	DRAWING NO.
85 (ARC/IBR)	PROPOSED REHABILITATION PLAN	MR - D - 1
77 (ST.TR/T/RCS+RSJ/COR)	PROPOSED REHABILITATION PLAN	MR - D - 2
53 (ST.TR/T/RCS)	PROPOSED REHABILITATION PLAN	MR - D - 3
33 (ST.TR/T/RCS+RSJ/RCS)	PROPOSED REHABILITATION PLAN	MR - D - 4
59 (RSJ/BUC)	PROPOSED REHABILITATION PLAN	MR - D - 5
20 (RSJ/COR)	PROPOSED REHABILITATION PLAN	MR - D - 6
70 (RSJ/COR)	PROPOSED REHABILITATION PLAN	MR - D - 7
7 (PSC/PRE+RCB)	PROPOSED REHABILITATION PLAN(1)	MR - D - 8
	PROPOSED REHABILITATION PLAN(2)	MR - D - 9
	PROPOSED REHABILITATION PLAN(3)	MR - D - 10
	PROPOSED REHABILITATION PLAN(4)	MR - D - 11
	PROPOSED REHABILITATION PLAN(5)	MR - D - 12
	PROPOSED REHABILITATION PLAN(6)	MR - D - 13
	PROPOSED REHABILITATION PLAN(7)	MR - D - 14
	PROPOSED REHABILITATION PLAN(8)	MR - D - 15
	PROPOSED REHABILITATION PLAN(9)	MR - D - 16
	PROPOSED REHABILITATION PLAN(10)	MR - D - 17
	PROPOSED REHABILITATION PLAN(11)	MR - D - 18
211 (RSJ/RCS)	PROPOSED REHABILITATION PLAN	MR - D - 19
212 (PSC/PRE)	PROPOSED REHABILITATION PLAN	MR - D - 20
53 (ST.TR/T/RCS)	RECONSTRUCTION PLAN	MR - D - 21
59 (RSJ/BUC)	RECONSTRUCTION PLAN	MR - D - 22
20 (RSJ/COR)	RECONSTRUCTION PLAN	MR - D - 23
70 (RSJ/COR)	RECONSTRUCTION PLAN	MR - D - 24
7 (PSC/PRE+RCB)	RECONSTRUCTION PLAN	MR - D - 25
211 (RSJ/RCS)	RECONSTRUCTION PLAN	MR - D - 26
212 (PSC/PRE)	RECONSTRUCTION PLAN	MR - D - 27
	PROTECTION AND REINFORCEMENT TO STEEL MATERIAL	MR - D - 28
	PROTECTION WORK TO CONCRETE	MR - D - 29
	REINFORCEMENT WORK TO CONCRETE	MR - D - 30
	PROTECTION AND REINFORCEMENT TO SUBSTRUCTURE	MR - D - 31
	RIVER IMPROVEMENT	MR - D - 32
	PROPOSED REHABILITATION FOR RSJ/BUC & RSJ/COR	MR - D - 33
	PROPOSED REHABILITATION FOR ST.TR/T	MR - D - 34

PROPOSED REHABILITATION PLAN FOR SER M85

ELEVATION 1:200

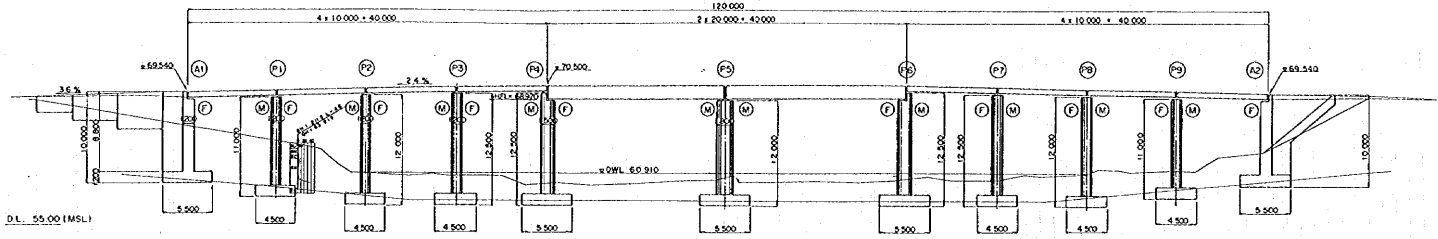


CROSS SECTION 1:50



	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING PROPOSED REHABILITATION PLAN FOR SER M85	BRIDGE NAME / NO. SER NO.85	SCALE AS SHOWN	DRAWING NO. MR-D-1

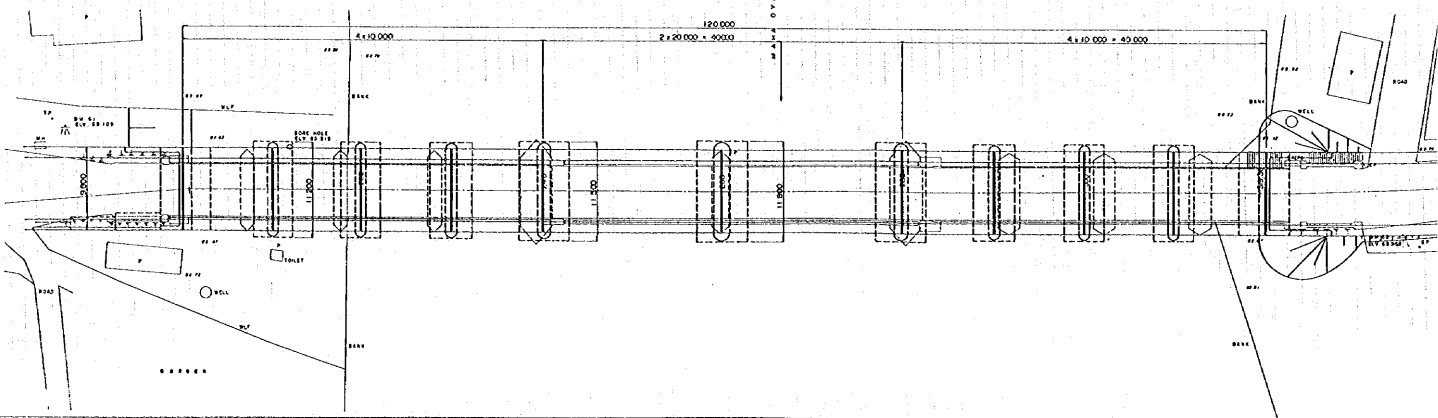
ELEVATION 1:200



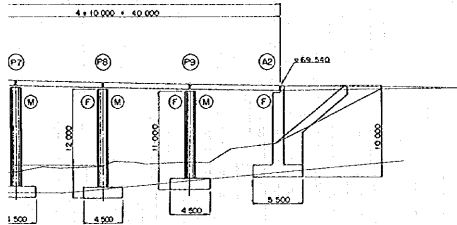
D.L. 55.00 (MSL)

ELEVATIONS	DISTANCES
66.97	300.00
65.87	700.65
64.20	4210.00
63.50	5115.00
60.00	7200.00
60.50	8200.00
60.70	8277.25
60.50	9236.00
60.50	10200.00
60.50	11200.00
59.50	12300.00
59.50	13377.65
59.80	14241.15
59.50	15405.00
59.73	16233.00
60.08	16525.00
60.20	16729.00
60.72	18001.95
59.94	19000.00
60.07	19700.00
59.97	20700.00
60.12	21787.50
60.47	22823.35
60.14	23800.00
60.56	24800.00
61.04	25800.00
61.02	26777.50
61.10	27800.25
60.90	28800.00
61.04	29800.00
61.02	31195.00
62.60	31435.00
62.07	31934.00
62.10	32000.00

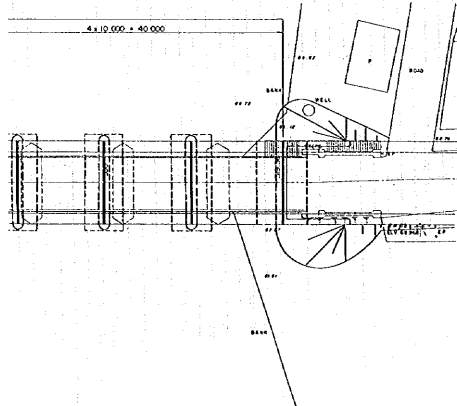
PLAN 1:200



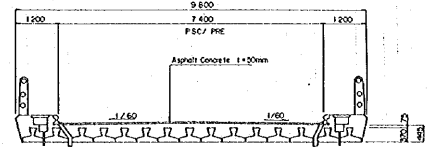
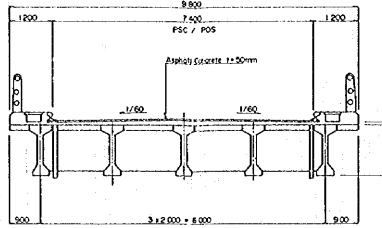
PROPOSED REHABILITATION PLAN FOR SER NO. 77



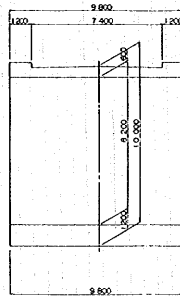
15.15				188.12
20.50	60.77			65.07
25.85	61.10			66.10
31.20				
36.55				
41.90				
47.25				
52.60				
57.95				
63.30				
68.65				
74.00				
79.35				
84.70				
90.05				
95.40				



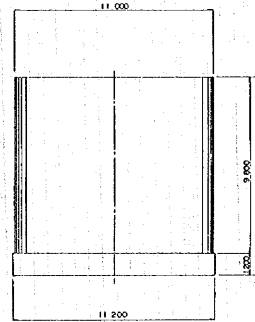
CROSS SECTION 1:50



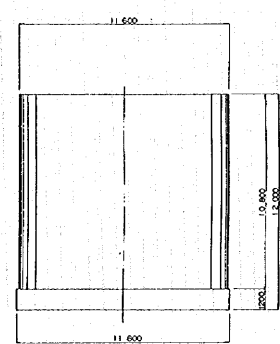
A1 ABUTMENT 1:100



P1 PIER 1:100



P5 PIER 1:100



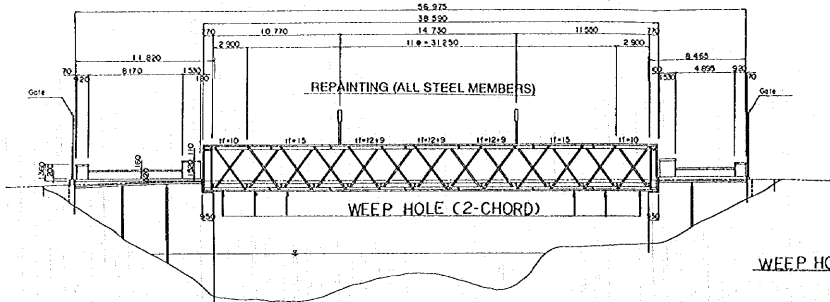
BRIDGE DATA:

BRIDGE NAME NO.	77
REGION/LINE/LOAD:	HA AND HB LOAD/DND/DMR/RT
MATERIAL YIELD STRENGTH:	CONCRETE SUPERSTRUCTURE : BEAM GRADE 45 PIERS/PIER GRADE 40
TYPE OF SUPERSTRUCTURE:	STEEL BEAM
TYPE OF SUBSTRUCTURE:	PIERS AND PIERCE ABUTMENT PIER
	SPREAD SPREAD

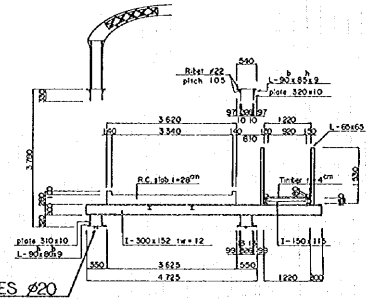
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO.
	PROPOSED REHABILITATION PLAN FOR SER NO. 77	SER NO. 77	AS SHOWN	MR-D - 2

PROPOSED REHABILITATION PLAN FOR SER №53

ELEVATION 1:50

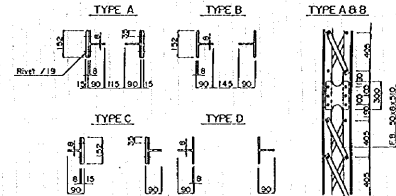
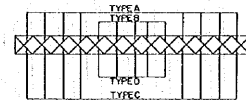
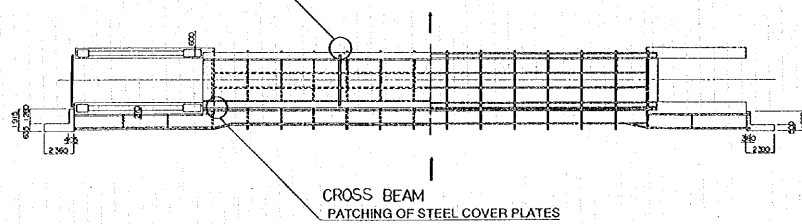


CROSS SECTION 1:50



LOWER CHORD WEB
PATCHING OF STEEL COVER PLATES

PLAN 1:150

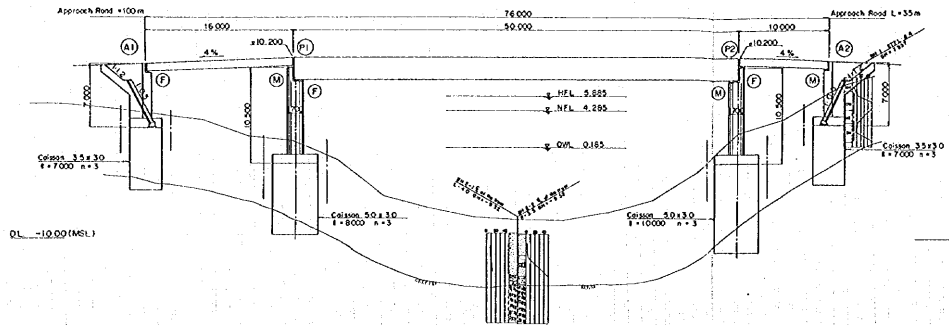


LEGEND OF REHABILITATION WORK

	EPOXY INJECTION	↑
CONCRETE	PATCHING	▨
	PREPARED CONCRETE (WITH SELF-CONSOLIDATING FLOW)	▩
STEEL	REPAINTING	◆◆◆

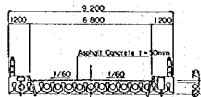
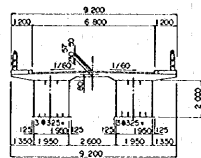
PROPOSED REHABILITATION PLAN
FOR SER NO.33

ELEVATION 1:200



DL -10.00 (MSL)

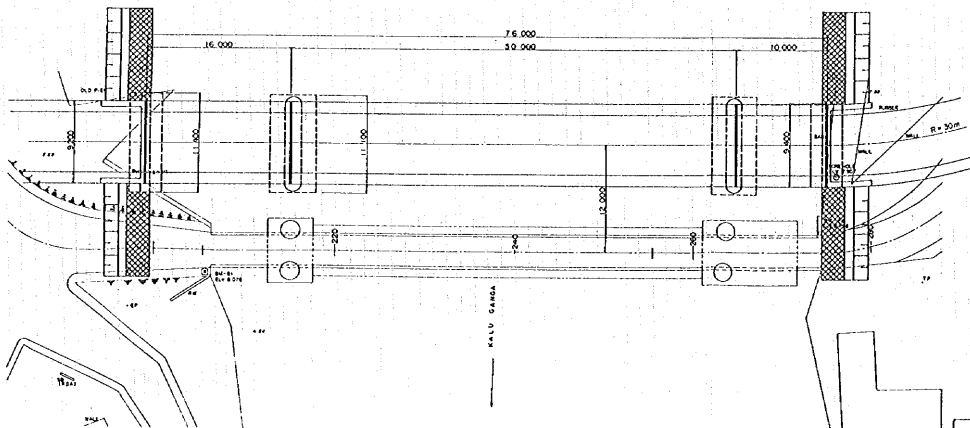
CROSS SECTION 1:100



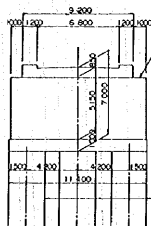
ELEVATIONS	5.31	3.50	1.32	-0.30	-1.34	-2.20	-3.08	-3.95	-4.85	-5.78	-6.01	-7.18	-8.02	-8.75	-9.02	-9.12	-6.14	-7.08	-7.93
DISTANCES	40.00	35.00	10.00	25.00	20.00	15.00	10.00	9.00	9.00	10.00	10.00	10.00	10.00	20.00	20.00	30.00	35.00	30.70	40.00

Note: 20m tip stream of existing concrete

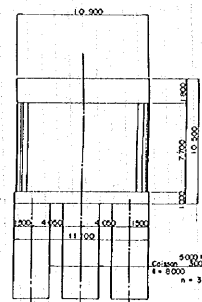
PLAN 1:200



ABUTMENT 1:150



PIER 1:150



BRIDGE DATA:

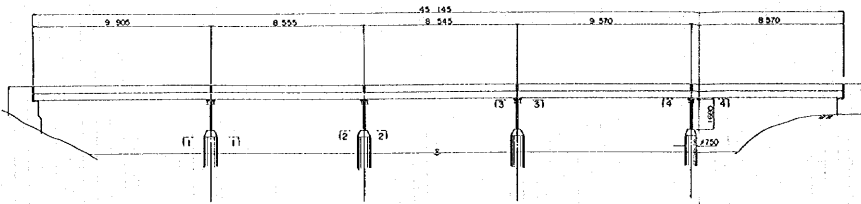
BRIDGE NAME NO.	33
DESIGN LIVE LOAD:	HAZARD (H) LOADING (COUNTRY)
MATERIAL YIELD STRENGTH:	CONCRETE SUPERSTRUCTURE: BEAM GRADE 45 PIER GRADE 45
	STEEL BEAM: YIELD STRENGTH 480 N/MM ² PIER: YIELD STRENGTH 480 N/MM ²
TYPE OF SUPERSTRUCTURE:	SI BOX AND SCAPPIE
TYPE OF SUBSTRUCTURE:	ABUTMENT CAISSON PIER CAISSON



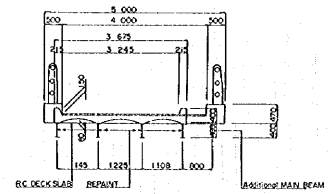
MASTER PLAN STATION ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE	DRAWING NO.
PROPOSED REHABILITATION PLAN FOR SER NO.33	SER NO. 33	AS SHOWN	11-1-4

PROPOSED REHABILITATION PLAN FOR SER No 59

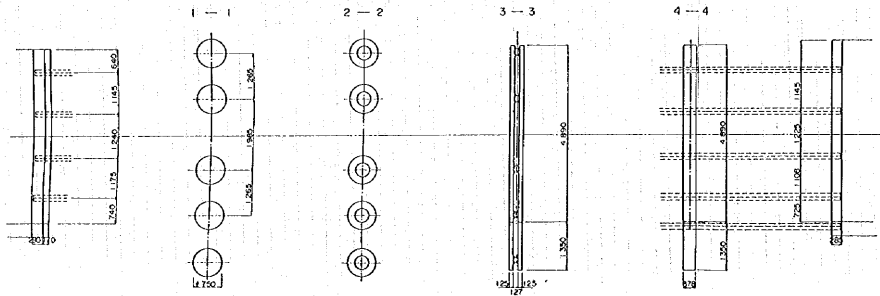
ELEVATION 1:100



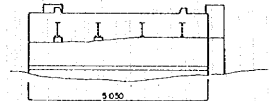
CROSS SECTION 1:50



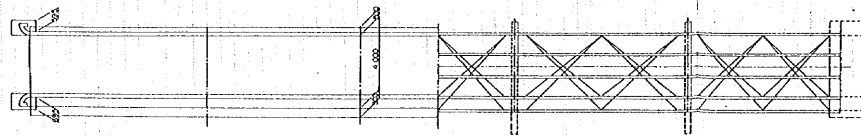
PLAN 1:50



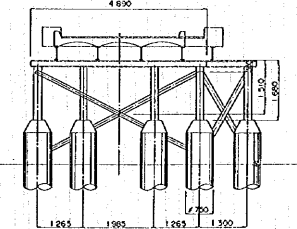
A2



PLAN 1:100



P-4

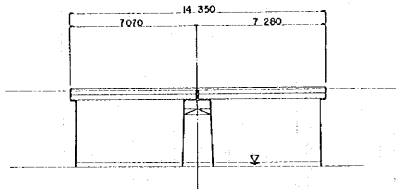


LEGEND OF REHABILITATION WORK

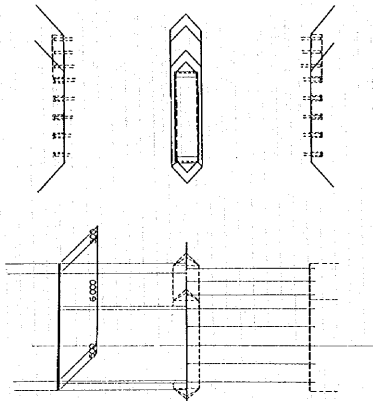
CONCRETE	EPOXY INJECTION	1
PATCHING		
PREPARED CONCRETE LINING WITH AESTHETIC FINISH		
STEEL	REPAINTING	++

PROPOSED REHABILITATION FOR SER No.20 BRIDGE

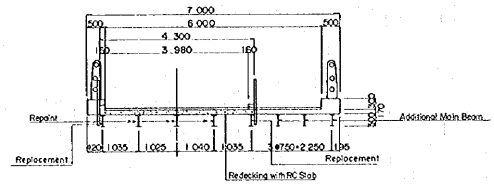
ELEVATION 1:100



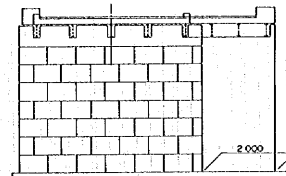
PLAN 1:100



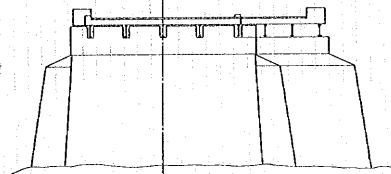
CROSS SECTION 1:50



A I



P I



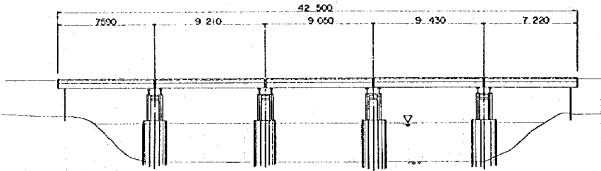
LEGEND OF REHABILITATION WORK

CONCRETE	EPOXY INJECTION ↑
	PATCHING
	PREPARED CONCRETE LINING WITH ADDITIONAL BEAM
STEEL	REPAINTING ←←←

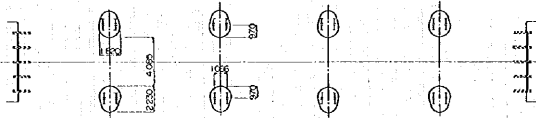
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO.	SCALE	DRAWING NO.
	PROPOSED REHABILITATION PLAN FOR SER No.20	SER No.20	AS SHOWN	JK-C-6

PROPOSED REHABILITATION FOR SER No.70 BRIDGE

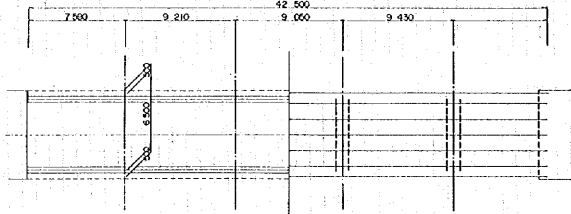
ELEVATION I:150



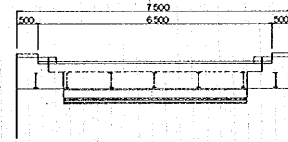
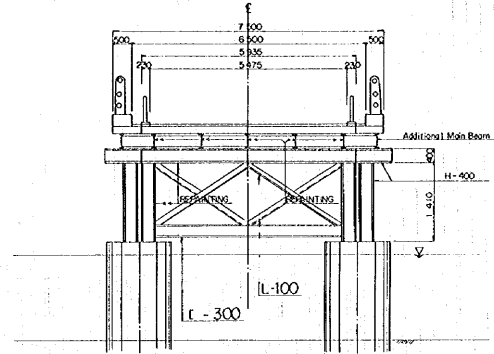
PLAN I:150



PLAN I:150



CROSS_SECTION I:50

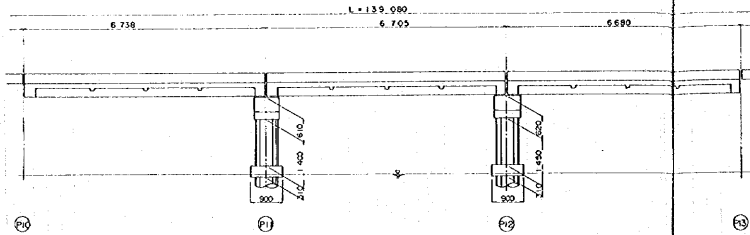


LEGEND OF REHABILITATION WORK

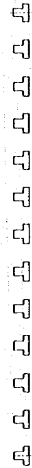
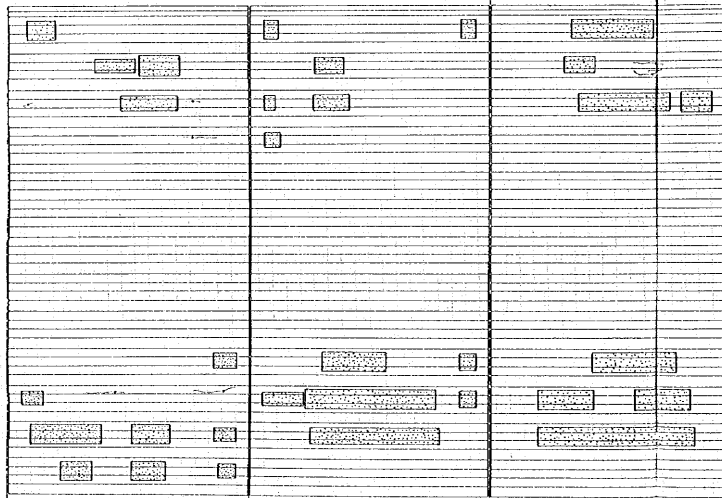
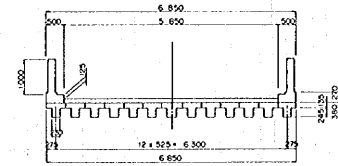
CONCRETE	EPOXY INJECTION	I
	PATCHING	■
STEEL	PREPARED RESINITE LINING WITH ADDITIONAL BEAM	■
	REPAINTING	++

PROPOSED REHABILITATION PLAN FOR SER #7 (1)

ELEVATION 1:50



CROSS SECTION 1:50



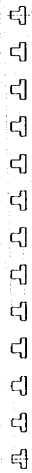
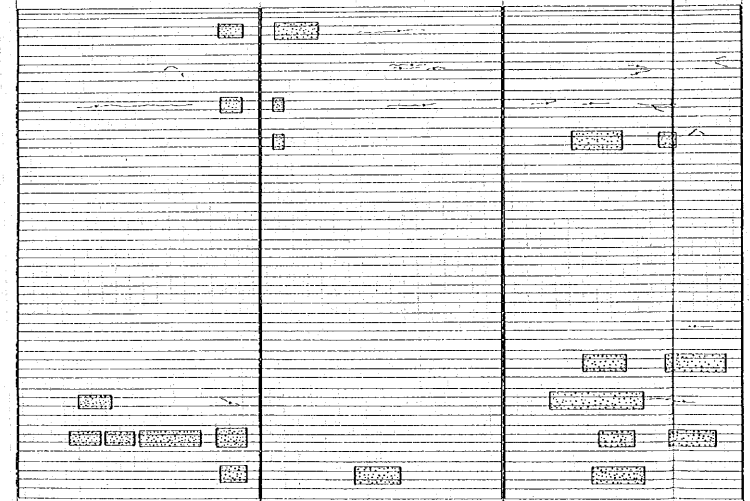
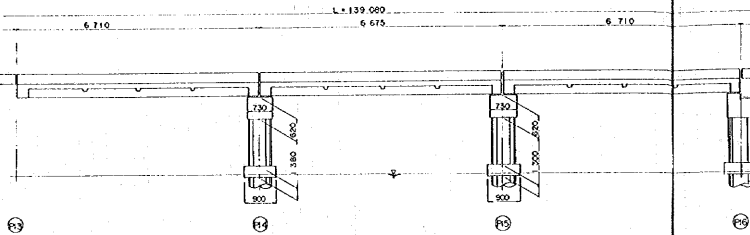
LEGEND OF REHABILITATION WORK

	EPOXY INJECTION	↑
CONCRETE	PATCHING	▨
	PREPARED CONCRETE CURING WITH POLYETHYLENE MEME	▨
STEEL	REPAINTING	←→

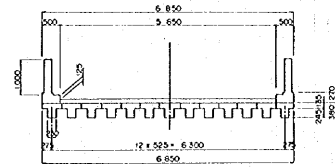
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA		
	TITLE OF DRAWING PROPOSED REHABILITATION PLAN FOR SER #7 (1)	BRIDGE NAME / NO SER #7	SCALE AS SHOWN

PROPOSED REHABILITATION PLAN FOR SER #7 (2)

ELEVATION 1:50



CROSS SECTION 1:50



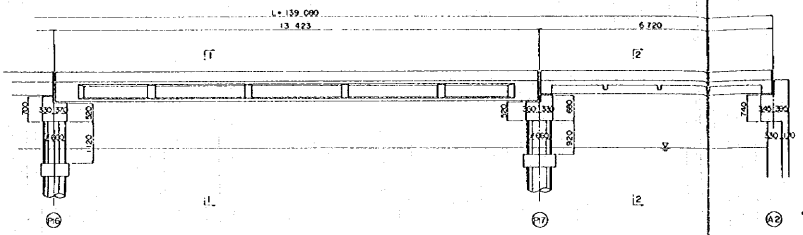
LEGEND OF REHABILITATION WORK

CONCRETE	EPOXY INJECTION	↑
	PATCHING	[Pattern]
	PROPOSED CONCRETE WITH ADDITIONAL REBAR	[Pattern]
STEEL	REPAINTING	←←

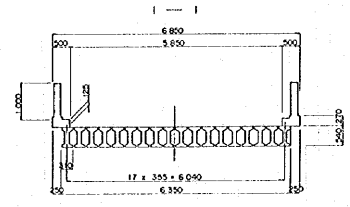
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO.
	PROPOSED REHABILITATION PLAN FOR SER #7 (1)	SER #7	AS SHOWN	MB-1 - (1)

PROPOSED REHABILITATION PLAN FOR SER №7 (3)

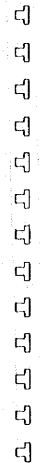
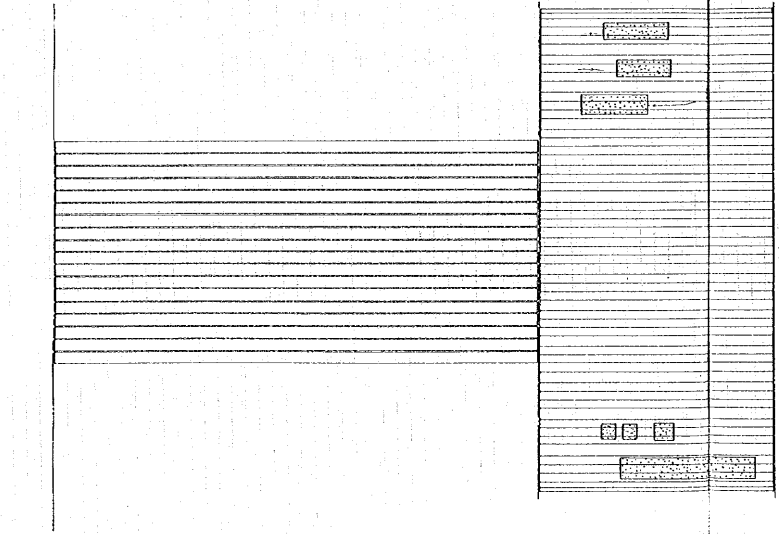
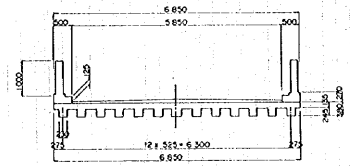
ELEVATION 1:60



CROSS SECTION 1:60



2-2

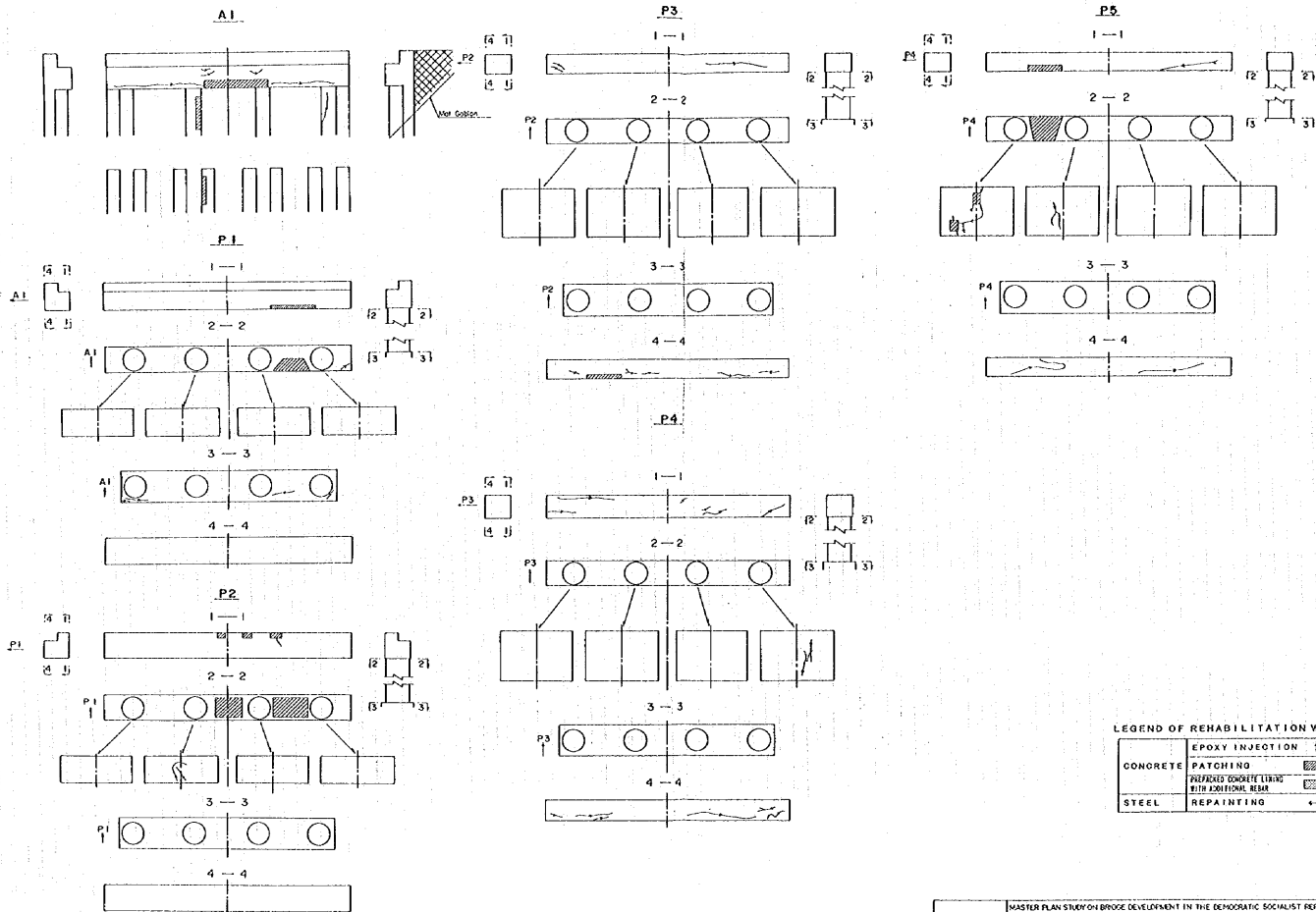


LEGEND OF REHABILITATION WORK

CONCRETE	EPOXY INJECTION	1
	PATCHING	[Hatched Pattern]
STEEL	PREPARED CONCRETE LIVING WITH ADDITIONAL REBAR	[Hatched Pattern]
	REPAINTING	←←

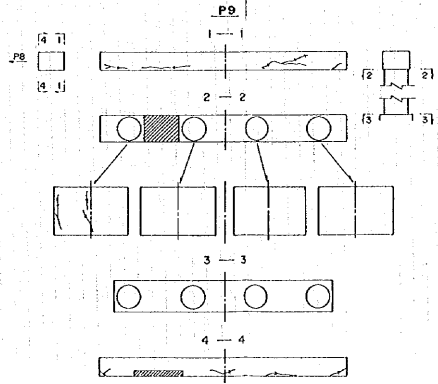
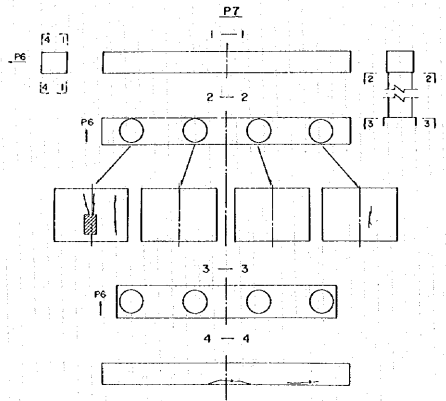
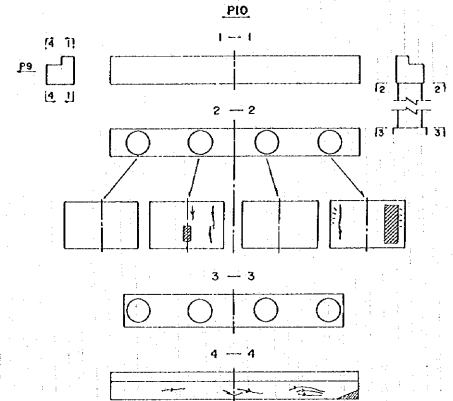
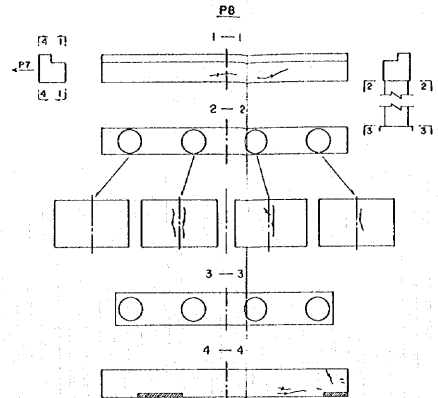
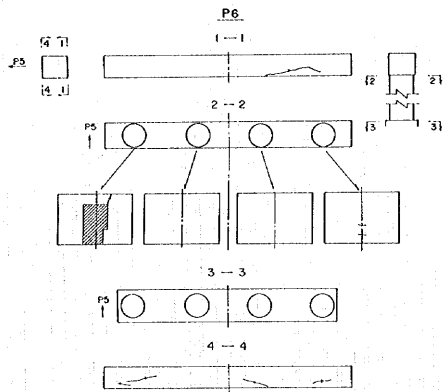
	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA			
	TITLE OF DRAWING	BRIDGE NAME / NO	SCALE	DRAWING NO.
	PROPOSED REHABILITATION PLAN FOR SER №7 (3)	SER №7	AS SHOWN	11-0-11

PROPOSED REHABILITATION PLAN FOR SER No. 7 (4)



	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA	BRIDGE NAME / NO	SCALE	DRAWING NO.
	TITLE OF DRAWING PROPOSED REHABILITATION PLAN FOR SER No. 7 (4)	SER No. 7	AS SHOWN	M-D-11

PROPOSED REHABILITATION PLAN FOR SER No 7 (5)



LEGEND OF REHABILITATION WORK

CONCRETE	EPHY INJECTION	
	PATCHING	
STEEL	PROFESS TOGGRETTI ENTITE WITH ADHESIVE REBAR	
	REPAINTING	

	MASTER PLAN STUDY ON BRIDGE DEVELOPMENT IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA	BRIDGE NAME / NO	SCALE	DRAWING NO.
	TITLE OF DRAWING PROPOSED REHABILITATION PLAN FOR SER No 7 (5)	SER No 7	AS SHOWN	11-1-12