

Ministry of Works and Development – Standard plans for highway bridges (Red Folder No. 2) (1980)

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458mm deep - 6m to 12m spans - Dimensions, reinforcement, stressing details for 8m unit	0/111/1/7004/3	R1	22.11.76	X10-0-111-1-7004-3R1.pdf
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8m 10m 12m 14m spans - Seismic details of connection for simple spans	0/111/2/8004/3	R1	14.1.76	X18-0-111-2-8004-3R1.pdf
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Deck reinforcement details for Cases 1 to 3 - Alternative 1	0/111/4/8004/3	R3	1.8.80	X27-0-111-4-8004-3R3.pdf
Deck reinforcement details for Cases 1 to 3 - Alternative 2	0/111/4/8004/4	R2	1.8.80	X28-0-111-4-8004-4R2.pdf
Deck reinforcement details for Cases 4 & 5 - Alternative 1	0/111/4/8004/5	R3	1.8.80	X29-0-111-4-8004-5R3.pdf
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Connections for simple spans - Support types 1A,2A & 1P	0/111/4/8004/7	R1	13.4.76	X31-0-111-4-8004-7R1.pdf
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Deck reinforcement details for 4 beam option - Cases 3 & 3A - Alternative 1	0/111/4/8004/10	R2	1.8.80	X34-0-111-4-8004-10R2.pdf
Deck reinforcement details for 4 beam option - Cases 3 & 3A - Alternative 2	0/111/4/8004/11	R2	1.8.80	X35-0-111-4-8004-11R2.pdf
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Overload capacity & design data	0/111/5/8004/2	R1	1.8.77	X41-0-111-5-8004-2R1.pdf
Beam data & diaphragm connections	0/111/5/7004/1	R2	1.8.77	X42-0-111-5-7004-1R2.pdf
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Dimensions, reinforcement, stressing details for 18m beam	0/111/5/7004/5	R1	14.4.76	X46-0-111-5-7004-5R1.pdf
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PRE-CAST POST-TENSIONED "I" BEAMS 18m, 20m, 24m, 28m, 32m SPANS				
End diaphragms 18m to 20m spans	0/111/6/8004/1	R1	1.8.77	X48-0-111-6-8004-1R1.pdf
End & mid-span diaphragms - 24m to 28m spans	0/111/6/8004/2	R1	1.8.77	X49-0-111-6-8004-2R1.pdf
End & mid-span diaphragms - 32m span	0/111/6/8004/3	R1	1.8.77	X50-0-111-6-8004-3R1.pdf
Overload capacity & design data	0/111/6/8004/4	R1	1.8.77	X51-0-111-6-8004-4R1.pdf
Beam data & diaphragm connections	0/111/6/7004/1	R1	21.2.77	X52-0-111-6-7004-1R1.pdf
18m span beam	0/111/6/7004/2	R1	1.8.77	X53-0-111-6-7004-2R1.pdf
20m span beam	0/111/6/7004/3	R1	1.8.77	X54-0-111-6-7004-3R1.pdf
24m span beam	0/111/6/7004/4	R1	1.8.77	X55-0-111-6-7004-4R1.pdf
28m span beam	0/111/6/7004/5	R1	1.8.77	X56-0-111-6-7004-5R1.pdf
32m span beam	0/111/6/7004/6	R1	1.8.77	X57-0-111-6-7004-6R1.pdf
PRE-CAST COMBINED PRE & POST TENSIONED "I" BEAMS 18m, 20m, 22m, 24m SPANS				
End diaphragms 18m - 20m spans	0/111/7/8004/1	R1	1.8.77	X58-0-111-7-8004-1R1.pdf
End & mid-span diaphragms 22m - 24m spans	0/111/7/8004/2	R1	1.8.77	X59-0-111-7-8004-2R1.pdf
Overload capacity & design data	0/111/7/8004/3	R1	1.8.77	X60-0-111-7-8004-3R1.pdf
Beam data & diaphragm connections	0/111/7/7004/1	R2	1.8.80	X61-0-111-7-7004-1R2.pdf
18m (span) beam	0/111/7/7004/2	R1	1.8.77	X62-0-111-7-7004-2R1.pdf
20m (span) beam	0/111/7/7004/3	R1	1.8.77	X63-0-111-7-7004-3R1.pdf
22m (span) beam	0/111/7/7004/4	R1	1.8.77	X64-0-111-7-7004-4R1.pdf
24m (span) beam	0/111/7/7004/5	R1	1.8.77	X65-0-111-7-7004-5R1.pdf

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Deck reinforcement details	0/111/8/8004/2	R1	1.9.80	X67-0-111-8-8004-2R1.pdf
Connections for simple spans - Support types 1A, 2A, 1P	0/111/8/8004/3	-	1.9.77	X68-0-111-8-8004-3R0.pdf
Connections for simple spans - Support types 2P, 3P	0/111/8/8004/4	-	1.9.77	X69-0-111-8-8004-4R0.pdf
Diaphragms details - 28m, 32m, 36m, spans	0/111/8/8004/5	-	1.9.77	X70-0-111-8-8004-5R0.pdf
Diaphragms details - 40m span & typical seismic joints	0/111/8/8004/6	-	1.9.77	X71-0-111-8-8004-6R0.pdf
Overload capacity and design data	0/111/8/8004/7	-	9.4.79	X72-0-111-8-8004-7R0.pdf
One lane bridges - Typical sections for Cases 6 & 7 and overload capacity data	0/111/8/8004/8	-	9.4.79	X73-0-111-8-8004-8R0.pdf
One lane bridges - Reinforcement details for Cases 6 & 7, Alternatives 1 & 2	0/111/8/8004/9	R1	1.8.80	X74-0-111-8-8004-9R1.pdf
Beam data & diaphragm connections	0/111/8/7004/1	-	1.9.77	X75-0-111-8-7004-1R0.pdf
28m span beam	0/111/8/7004/2	-	1.9.77	X76-0-111-8-7004-2R0.pdf
32m span beam	0/111/8/7004/3	-	1.9.77	X77-0-111-8-7004-3R0.pdf
36m span beam	0/111/8/7004/4	-	1.9.77	X78-0-111-8-7004-4R0.pdf
40m span beam	0/111/8/7004/5	-	1.9.77	X79-0-111-8-7004-5R0.pdf
PRE-CAST PRE-TENSIONED "U" BEAMS 16m, 18m, 20m SPANS - SERIES 1				
Typical sections of superstructure Cases 1 to 5	0/111/9/8004/1	R1	1.8.77	X80-0-111-9-8004-1R1.pdf
End diaphragms, in situ slab, footpath & crash barrier details	0/111/9/8004/2	R1	1.8.77	X81-0-111-9-8004-2R1.pdf
Details of seismic connections for simple spans	0/111/9/8004/3	R1	1.8.77	X82-0-111-9-8004-3R1.pdf
Overload capacity & design data	0/111/9/8004/4	-	21.4.77	X83-0-111-9-8004-4R0.pdf
One lane bridges - Cases 6 & 7 typical sections and overload capacity	0/111/9/8004/5	-	14.6.77	X84-0-111-9-8004-5R0.pdf
Dimensions, reinforcement, stressing - 16m span beam	0/111/9/7004/1	R1	1.8.77	X85-0-111-9-7004-1R1.pdf
Dimensions, reinforcement, stressing - 18m span beam	0/111/9/7004/2	R1	1.8.77	X86-0-111-9-7004-2R1.pdf
Dimensions, reinforcement, stressing - 20m span beam	0/111/9/7004/3	R1	1.8.77	X87-0-111-9-7004-3R1.pdf

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Typical sections of superstructure Cases 1 to 5	0/111/10/8004/1	R2	1.8.80	X88-0-111-10-8004-1R2.pdf
End diaphragms, in situ slab, footpath & crash barrier details	0/111/10/8004/2	R1	1.8.80	X89-0-111-10-8004-2R1.pdf
Details of seismic connections for simple spans	0/111/10/8004/3	R1	1.8.80	X90-0-111-10-8004-3R1.pdf
Overload capacity & design data Cases 1 to 5	0/111/10/8004/4	-	11.1.79	X91-0-111-10-8004-4R0.pdf
One lane bridges - Cases 6 & 7 typical sections & overload capacity	0/111/10/8004/5	-	11.1.79	X92-0-111-10-8004-5R0.pdf
Dimensions, reinforcement, stressing - 16m span beam	0/111/10/7004/1	R1	1.8.80	X93-0-111-10-7004-1R1.pdf
Dimensions, reinforcement, stressing - 18m span beam	0/111/10/7004/2	R1	1.8.80	X94-0-111-10-7004-2R1.pdf
Dimensions, reinforcement, stressing - 20m span beam	0/111/10/7004/3	R1	1.8.80	X95-0-111-10-7004-3R1.pdf
Dimensions, reinforcement, stressing - 22m span beam	0/111/10/7004/4	R2	1.8.80	X96-0-111-10-7004-4R2.pdf
Dimensions, reinforcement, stressing - 24m span beam	0/111/10/7004/5	R2	1.8.80	X97-0-111-10-7004-5R2.pdf
Dimensions, reinforcement, stressing - 26m span beam	0/111/10/7004/6	R2	1.8.80	X98-0-111-10-7004-6R2.pdf
STANDARD BRIDGE DESIGNS - STANDARD STEEL TRUSS				
GENERAL DRAWINGS				
Cover sheet - May 1980	0/112/20/8004/1	R1	1.8.80	X99-0-112-20-8004-1R1.pdf
Member marks & applications	0/112/20/8004/2	R2	1.8.80	X100-0-112-20-8004-2R2.pdf
List of fabrication/checking jigs for members (Restricted issue - not included)	0/112/20/8004/3	-	22.8.80	
Erection equipment sheet titles (Restricted issue - not included)	0/112/20/8004/4	-	15.4.80	
Typical sections	0/112/20/8004/5	-	1.8.80	X101-0-112-20-8004-5R0.pdf
2 lane deck type - Truss make up	0/112/20/8004/6	R1	1.8.80	X102-0-112-20-8004-6R1.pdf
TRUSS MEMBERS				
Members common to 2.5m, 3.5m & 4.5m deep trusses (named on drawing 0/112/20/8004/2)				
1 End cross channel - Type A	0/112/1/7004/1	Various	Various	X103-0-112-1-7004-1-8.pdf X104-0-112-1-7004-3R1.pdf X105-0-112-1-7004-4R2.pdf X106-0-112-1-7004-6R2.pdf X107-0-112-1-7004-8R4.pdf
2 End cross channel - Type B	0/112/1/7004/2			
3 Cross channel angle cleat	0/112/1/7004/3			
4 Top chord channel cleat - Type A	0/112/1/7004/4			
5 Top chord channel cleat - Type B	0/112/1/7004/5			
6 End top chord channel - Type A	0/112/1/7004/6			
7 End top chord channel - Type B	0/112/1/7004/7			
8 Top chord channel - Type A	0/112/1/7004/8			

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Members common to 2.5m, 3.5m & 4.5m deep trusses (named on drawing 0/112/20/8004/2) (cont.)				
9 Top chord channel - Type B	0/112/1/7004/9	Various	Various	X108-0-112-1-7004-9-16.pdf X109-0-112-1-7004-9R3.pdf X110-0-112-1-7004-12R4.pdf X111-0-112-1-7004-13R5.pdf X112-0-112-1-7004-14R4.pdf X113-0-112-1-7004-15R1.pdf X114-0-112-1-7004-16R3.pdf
10 Top chord channel - Type C	0/112/1/7004/10			
11 Top chord channel - Type D	0/112/1/7004/11			
12 Channel packer plate	0/112/1/7004/12			
13 Channel shear cleat - Type A	0/112/1/7004/13			
14 Channel shear cleat - Type B	0/112/1/7004/14			
15 Channel web splice plate	0/112/1/7004/15			
16 Web splice packer plate - Type A	0/112/1/7004/16			
17 Web splice packer plate - Type B	0/112/1/7004/17			
18 Top chord cover plate	0/112/1/7004/18			
19 Chord angle - Type A	0/112/1/7004/19			X115-0-112-1-7004-17-24.pdf X116-0-112-1-7004-17R4.pdf X117-0-112-1-7004-19R3.pdf X118-0-112-1-7004-20R2.pdf X119-0-112-1-7004-22R1.pdf X120-0-112-1-7004-23R1.pdf X121-0-112-1-7004-24R2.pdf
20 Chord angle - Type B	0/112/1/7004/20			
21 Chord angle - Type C	0/112/1/7004/21			
22 Chord angle cleat	0/112/1/7004/22			
23 Leg plate	0/112/1/7004/23			
24 Wind brace gusset plate - Type A	0/112/1/7004/24			
25 Wind brace gusset plate - Type B	0/112/1/7004/25			
26 Horizontal sway brace angle	0/112/1/7004/26			
27 Wind brace angle - Type A	0/112/1/7004/27			
28 Diagonal angle batten plate	0/112/1/7004/28			
29 Chord angle batten plate	0/112/1/7004/29			X122-0-112-1-7004-25-32.pdf X123-0-112-1-7004-25R2.pdf X124-0-112-1-7004-26R2.pdf X125-0-112-1-7004-27R2.pdf X126-0-112-1-7004-31R6.pdf
30 Packers	0/112/1/7004/30			
31 Bolts	0/112/1/7004/31			
32 End cross channel - Type C	0/112/1/7004/32			
33 End cross channel - Type D	0/112/1/7004/33			
34 Spreader gusset plate	0/112/1/7004/34			
35 Wind brace gusset plate - Type C	0/112/1/7004/35			
36 Transom beam - Type A	0/112/1/7004/36			
37 Wind brace angle - Type B	0/112/1/7004/37			
38 Diaphragm beam	0/112/1/7004/38			
39 Side raker gusset plate	0/112/1/7004/39			X127-0-112-1-7004-33-40.pdf X128-0-112-1-7004-36R1.pdf X129-0-112-1-7004-36R3.pdf X130-0-112-1-7004-37R1.pdf
40 Chord angle - Type D	0/112/1/7004/40			

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Members common to 2.5m, 3.5m & 4.5m deep trusses (named on drawing 0/112/20/8004/2) (cont.)				
41 Link span pin and washers	0/112/1/7004/41	Various	Various	X131-0-112-1-7004-41-48.pdf X132-0-112-1-7004-41R1.pdf X133-0-112-1-7004-46R0.pdf
42 Channel shear cleat - Type C	0/112/1/7004/42			
43 End cross channel - Type E	0/112/1/7004/43			
44 End cross channel - Type F	0/112/1/7004/44			
45 Intermediate transom gusset plate	0/112/1/7004/45			
46 -	0/112/1/7004/46			
47 Wind brace angle - Type C	0/112/1/7004/47			
48 Wind brace angle - Type D	0/112/1/7004/48			
49 Seating angle	0/112/1/7004/49	-	3.8.79	X134-0-112-1-7004-49.pdf
49 Angle brace	0/112/1/7004/49	-	11/86	X135-0-112-1-7004-49R0.pdf
Common members to 2.5m, 3.5m & 4.5m deep trusses				
52 Transom beam - Type B	0/112/1/7004/52	-	8/82	X136-0-112-1-7004-52R0.pdf
57 Cross beam - Type C	0/112/1/7004/57	-	5/86	X137-0-112-1-7004-57R0.pdf
58 Cross beam cleat	0/112/1/7004/58	-	4/84	X138-0-112-1-7004-58R0.pdf
59 Cross channel - Type A	0/112/1/7004/59	R1	15.5.86	X139-0-112-1-7004-59R1.pdf
61 Cross channel bracket - Type A	0/112/1/7004/61	-	15.5.86	X140-0-112-1-7004-61R0.pdf
62 Cross channel bracket - Type B	0/112/1/7004/62	-	15.5.86	X141-0-112-1-7004-62R0.pdf
63 Cross channel bracket - Type C	0/112/1/7004/63	-	15.5.86	X142-0-112-1-7004-63R0.pdf
64 Channel packer plate - Type B	0/112/1/7004/64	-	15.5.86	X143-0-112-1-7004-64R0.pdf
65 Upper sway brace angle	0/112/1/7004/65	-	15.5.86	X144-0-112-1-7004-65R0.pdf
68 Channel packer plate - Type B	0/112/1/7004/68	-	-	X145-0-112-1-7004-68R0.pdf
Members for 2.5m deep truss only (named on drawing 0/112/20/8004/2)				
201 Main end gusset plate - Type A	0/112/1/7004/201	Various	Various	X146-0-112-1-7004-201-208.pdf
202 Main gusset plate - Type A	0/112/1/7004/202			
203 Main gusset plate - Type B	0/112/1/7004/203			
204 Diagonal angle - Type A	0/112/1/7004/204			
205 Sway brace gusset plate	0/112/1/7004/205			
206 Diagonal sway brace angle	0/112/1/7004/206			
207 Vertical post angle	0/112/1/7004/207			
208 End sway brace gusset plate	0/112/1/7004/208			

Title	Number	Rev	Date	File
Members for 2.5m deep truss only (named on drawing 0/112/20/8004/2) (cont.)				
209 End diagonal sway brace angle	0/112/1/7004/209	Various	Various	X147-0-112-1-7004-209-216.pdf X148-0-112-1-7004-217-219.pdf X149-0-112-1-7004-219R1.pdf
210 Diagonal angle - Type B	0/112/1/7004/210			
211 Vertical post tee	0/112/1/7004/211			
212 Link span channel - Type A	0/112/1/7004/212			
213 Link span gusset plate	0/112/1/7004/213			
214 Side raker angle	0/112/1/7004/214			
215 -	0/112/1/7004/215			
216 Transom hanger angle	0/112/1/7004/216			
217 Outrigger beam	0/112/1/7004/217			
218 Link span channel - Type B	0/112/1/7004/218			
219 Main end gusset plate - Type B	0/112/1/7004/219			
Members for 2.5m deep truss only				
220 Cross beam - Type A	0/112/1/7004/220	-	10/87	X150-0-112-1-7004-220R0.pdf
222 Cross beam - Type B	0/112/1/7004/222	-	12/86	X151-0-112-1-7004-222R0.pdf
223 Gusset cover bracket	0/112/1/7004/223	-	10/87	X152-0-112-1-7004-223R0.pdf
227 Main gusset plate - Type C	0/112/1/7004/227	-	8/86	X153-0-112-1-7004-227R0.pdf
228 Upper sway brace bracket - Type A	0/112/1/7004/228	R1	15.5.86	X154-0-112-1-7004-228R1.pdf
229 Upper sway brace bracket - Type B	0/112/1/7004/229	R1	15.5.86	X155-0-112-1-7004-229R1.pdf
230 Sway brace gusset plate - Type B	0/112/1/7004/230	R1	15.5.86	X156-0-112-1-7004-230R1.pdf
231 Seating bracket	0/112/1/7004/231	-	-	X157-0-112-1-7004-231R0.pdf
232 Angle brace gusset	0/112/1/7004/232	-	-	X158-0-112-1-7004-232R0.pdf
Members for 3.5m deep truss only (named on drawing 0/112/20/8004/2)				
301 Main end gusset plate - Type A	0/112/1/7004/301	Various	Various	X159-0-112-1-7004-301-308.pdf X160-0-112-1-7004-301R3.pdf X161-0-112-1-7004-302R1.pdf X162-0-112-1-7004-303R1.pdf X163-0-112-1-7004-304R1.pdf X164-0-112-1-7004-305R2.pdf X165-0-112-1-7004-306R4.pdf X166-0-112-1-7004-307R2.pdf X167-0-112-1-7004-308R1.pdf
302 Main gusset plate - Type A	0/112/1/7004/302			
303 Main gusset plate - Type B	0/112/1/7004/303			
304 Diagonal angle	0/112/1/7004/304			
305 Sway brace gusset plate	0/112/1/7004/305			
306 Diagonal sway brace angle	0/112/1/7004/306			
307 Vertical post angle	0/112/1/7004/307			
308 End sway brace gusset plate	0/112/1/7004/308			

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Members for 3.5m deep truss only (named on drawing 0/112/20/8004/2) (cont.)				
309 End diagonal sway brace angle	0/112/1/7004/309	Various	Various	X168-0-112-1-7004-309-316.pdf X169-0-112-1-7004-309R3.pdf X170-0-112-1-7004-312R3.pdf X171-0-112-1-7004-315R1.pdf
310 -	0/112/1/7004/310			
311 Vertical post tee	0/112/1/7004/311			
312 Link span channel - Type A	0/112/1/7004/312			
313 Link span gusset plate - Type A	0/112/1/7004/313			
314 Side raker angle	0/112/1/7004/314			
315 Link span gusset plate - Type B	0/112/1/7004/315			
316 Transom hanger angle	0/112/1/7004/316			
317 Outrigger beam	0/112/1/7004/317			
318 Link span channel - Type B	0/112/1/7004/318			
319 Main end gusset plate - Type B	0/112/1/7004/319			X172-0-112-1-7004-317-319.pdf X173-0-112-1-7004-319R1.pdf
Members for 3.5m deep truss only				
320 Cross beam - Type A	0/112/1/7004/320	R1	8/86	X174-0-112-1-7004-320R1.pdf
321 Cross beam packer plate	0/112/1/7004/321	-	15.5.86	X175-0-112-1-7004-321R0.pdf
322 Cross beam - Type B	0/112/1/7004/322	-	15.5.86	X176-0-112-1-7004-322R0.pdf
323 Gusset cover bracket	0/112/1/7004/323	-	15.5.86	X177-0-112-1-7004-323R0.pdf
326 Diagonal sway brace angle - Type B	0/112/1/7004/326	-	10/86	X178-0-112-1-7004-326R0.pdf
327 Main gusset plate - Type C	0/112/1/7004/327	-	8/86	X179-0-112-1-7004-327R0.pdf
328 Upper sway brace bracket - Type A	0/112/1/7004/328	R1	1/87	X180-0-112-1-7004-328R1.pdf
329 Upper sway brace bracket - Type B	0/112/1/7004/329	R1	1/87	X181-0-112-1-7004-329R1.pdf
330 Sway brace gusset plate - Type B	0/112/1/7004/330	-	15.5.86	X182-0-112-1-7004-330R0.pdf
331 Seating bracket	0/112/1/7004/331	-	1/87	X183-0-112-1-7004-331R0.pdf
332 Angle brace gusset	0/112/1/7004/332	-	-	X184-0-112-1-7004-332R0.pdf
Members for 4.5m deep truss only (named on drawing 0/112/20/8004/2)				
401 Main end gusset plate - Type A	0/112/1/7004/401	Various	Various	X185-0-112-1-7004-401-408.pdf
402 Main gusset plate - Type A	0/112/1/7004/402			
403 Main gusset plate - Type B	0/112/1/7004/403			
404 Diagonal angle - Type A	0/112/1/7004/404			
405 Sway brace gusset plate	0/112/1/7004/405			
406 Diagonal sway brace angle	0/112/1/7004/406			

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Members for 4.5m deep truss only (named on drawing 0/112/20/8004/2) (cont.)				
407 Vertical post angle	0/112/1/7004/407	Various	Various	X185-0-112-1-7004-401-408.pdf
408 End sway brace gusset plate	0/112/1/7004/408			
409 End diagonal sway brace angle	0/112/1/7004/409			
410 Diagonal angle - Type B	0/112/1/7004/410			
411 Vertical post tee	0/112/1/7004/411			
419 Main end gusset plate - Type B	0/112/1/7004/419			
Members for 4.5m deep truss only				
413 Link span gusset plate - Type A	0/112/1/7004/413	-	8/86	X188-0-112-1-7004-413R0.pdf
415 Link span gusset plate - Type B	0/112/1/7004/415	-	8/86	X189-0-112-1-7004-415R0.pdf
420 Cross beam - Type A	0/112/1/7004/420	-	5/86	X190-0-112-1-7004-420R0.pdf
421 Cross beam packer	0/112/1/7004/421	-	-	X191-0-112-1-7004-421R0.pdf
422 Cross beam - Type B	0/112/1/7004/422	-	1/87	X192-0-112-1-7004-422R0.pdf
423 Gusset cover bracket	0/112/1/7004/423	-	1/87	X193-0-112-1-7004-423R0.pdf
424 Diagonal angle - Type C	0/112/1/7004/424	-	8/86	X194-0-112-1-7004-424R0.pdf
425 Diagonal angle - Type D	0/112/1/7004/425	-	8/86	X195-0-112-1-7004-425R0.pdf
427 Main gusset plate - Type C	0/112/1/7004/427	-	8/86	X196-0-112-1-7004-427R0.pdf
428 Upper sway brace bracket - Type A	0/112/1/7004/428	R1	1/87	X197-0-112-1-7004-428R1.pdf
429 Upper sway brace bracket - Type B	0/112/1/7004/429	R1	1/87	X198-0-112-1-7004-429R1.pdf
431 Seating bracket	0/112/1/7004/431	-	1/87	X199-0-112-1-7004-431R0.pdf
432 Angle brace gusset	0/112/1/7004/432	-	-	X200-0-112-1-7004-432R0.pdf
TRUSS ASSEMBLY DETAILS - DECK TYPE				
Sloping end truss	0/112/3/8004/1	R1 R2	1.8.80 5/91	X201-0-112-3-8004-1R1.pdf X202-0-112-3-8004-1R2.pdf
Vertical end truss	0/112/3/8004/2	R1 R2	1.8.80 5/91	X203-0-112-3-8004-2R1.pdf X204-0-112-3-8004-2R2.pdf
Isometric views	0/112/3/8004/3	- R1	23.9.76 5/91	X205-0-112-3-8004-3R0.pdf X206-0-112-3-8004-3R1.pdf
Vertical end truss - 2.0m end panel	0/112/3/8004/4	-	1.8.80	X207-0-112-3-8004-4R0.pdf
Requirements for transverse loadings - Vertical and sloping end variations	0/112/3/8004/5	-	3/87	X208-0-112-3-8004-5R0.pdf
Requirements for top chord and continuous support structures	0/112/3/8004/6	-	2/87	X209-0-112-3-8004-6R0.pdf
Link span details	0/112/3/8004/7	-	-	X210-0-112-3-8004-7R0.pdf

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TRUSS ASSEMBLY DETAILS - THROUGH TYPE				
One lane - Single truss assembly	0/112/4/8004/1	R2	1.8.80	X211-0-112-4-8004-1R2.pdf
One lane - Double truss assembly	0/112/4/8004/2	-	19.4.79	X212-0-112-4-8004-2R0.pdf
One lane - Dingle truss isometric	0/112/4/8004/3	R2	1.8.80	X213-0-112-4-8004-3R2.pdf
One lane - Double truss - Isometric views top chord and intermediate transom	0/112/4/8004/4	-	19.4.79	X214-0-112-4-8004-4R0.pdf
One lane - Isometric - Diagonals	0/112/4/8004/5	-	19.4.79	X215-0-112-4-8004-5R0.pdf
Two lane - Double truss assembly	0/112/4/8004/6	-	-	X216-0-112-4-8004-6R0.pdf
SCHEDULE 2.5m - SINGLE LANE DECK TYPE				
32m span - Sloping end - Precast & insitu decking	0/112/5/7004/1	-	-	X217-0-112-5-7004-1R0.pdf
SCHEDULE 2.5m - 1 LANE THROUGH TYPE				
24m span - Single truss precast & insitu decking	0/112/6/7004/1	R1	15.8.79	X218-0-112-6-7004-1R1.pdf
28m - Single truss precast & insitu decking	0/112/6/7004/2	R1	15.8.79	X219-0-112-6-7004-2R1.pdf
32m - Single truss precast & insitu decking	0/112/6/7004/3	R1	15.8.79	X220-0-112-6-7004-3R1.pdf
SCHEDULE 2.5m - 2 LANE DECK TYPE				
32m span - Sloping end - In-situ decking only	0/112/7/7004/1	R1	1.8.80	X221-0-112-7-7004-1R1.pdf
32m span - Sloping end - Pre-cast decking	0/112/7/7004/2	R1	1.8.80	X222-0-112-7-7004-2R1.pdf
36m span - Vertical end - Pre-cast decking	0/112/7/7004/3	R1	1.8.80	X223-0-112-7-7004-3R1.pdf
36m span - Vertical end - Pre-cast decking	0/112/7/7004/5	R2	-	X223-0-112-7-7004-3R2.pdf
SCHEDULE 3.5m - 1 LANE THROUGH TYPE				
40m span - Sloping end - Precast & insitu decking	0/112/9/7004/1	-	-	X224-0-112-9-7004-1R0.pdf
SCHEDULE 3.5m - 1 LANE THROUGH TYPE				
32m span - Single truss - Precast & insitu decking	0/112/10/7004/1	R1	17.10.80	X225-0-112-10-7004-1R1.pdf
36m span - Single truss - Precast & insitu decking	0/112/10/7004/2	R1	17.10.80	X226-0-112-10-7004-2R1.pdf
40m span - double truss - Precast & insitu decking	0/112/10/7004/3	-	19.4.79	X227-0-112-10-7004-3R0.pdf
44m span - double truss - Precast & insitu decking	0/112/10/7004/4	-	19.4.79	X228-0-112-10-7004-4R0.pdf
48m span - double truss - Precast & insitu decking	0/112/10/7004/5	R1	10/80	X229-0-112-10-7004-5R1.pdf
52m span - double truss - Precast & insitu decking	0/112/10/7004/6	-	19.4.79	X230-0-112-10-7004-6R0.pdf
56m span - double truss - Precast & insitu decking	0/112/10/7004/7	-	19.4.79	X231-0-112-10-7004-7R0.pdf

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SCHEDULE 3.5m - 2 LANE DECK TYPE				
36m span - Vertical end - In-situ decking only	0/112/11/7004/1	-	29.9.76	X232-0-112-11-7004-1R0.pdf
44m span - Sloping end - Precast & in-situ decking	0/112/11/7004/2	R1	1.8.80	X233-0-112-11-7004-2R1.pdf
36m span - Vertical end - In-situ decking only	0/112/11/7004/3	R1	-	X234-0-112-11-7004-3R1.pdf
40m span - Sloping end - Precast & in-situ decking	0/112/11/7004/4	-	-	X235-0-112-11-7004-4R0.pdf
44m span - Sloping end - Precast & in-situ decking	0/112/11/7004/5	R2	5/91	X236-0-112-11-7004-2R2.pdf
SCHEDULE 4.5m - SINGLE LANE DECK TYPE				
48m span - Sloping end - Precast & in-situ decking	0/112/13/7004/1	-	-	X237-0-112-13-7004-1R0.pdf
SCHEDULE 4.5m - 2 LANE DECK TYPE				
40m span - Sloping end - Precast & in-situ decking	0/112/15/7004/1	-	-	X238-0-112-15-7004-1R0.pdf
44m span - Sloping end - Precast & in-situ decking	0/112/15/7004/2	-	-	X239-0-112-15-7004-2R0.pdf
48m span - Sloping end - Precast & in-situ decking	0/112/15/7004/3	-	-	X240-0-112-15-7004-3R0.pdf
52m span - Sloping end - Precast & in-situ decking	0/112/15/7004/4	-	-	X241-0-112-15-7004-4R0.pdf
DECK SYSTEMS				
Two lane deck type truss - In-situ concrete deck	0/112/17/8004/1	R1	1.8.80	X242-0-112-17-8004-1R1.pdf
Two lane deck type truss - Precast concrete continuous deck	0/112/17/8004/2	R1	1.8.80	X243-0-112-17-8004-2R1.pdf
Two lane deck type truss - Precast concrete deck	0/112/17/8004/3	R1	1.8.80	X244-0-112-17-8004-3R1.pdf
One lane through type truss - In-situ concrete deck	0/112/17/8004/4	R1	1.8.80	X245-0-112-17-8004-4R1.pdf
One lane through type truss - Precast concrete deck	0/112/17/8004/5	R1	1.8.80	X246-0-112-17-8004-5R1.pdf
One lane deck type truss - In-situ concrete deck	0/112/17/8004/6	-	7/80	X247-0-112-17-8004-6R0.pdf
One lane deck type truss - In-situ concrete deck	0/112/17/8004/1	R2	-	X248-0-112-17-8004-1R2.pdf
One lane deck type truss - Precast continuous concrete deck	0/112/17/8004/2	R2	-	X249-0-112-17-8004-2R2.pdf
One lane deck type truss - Precast continuous concrete deck - Insitu concrete	0/112/17/8004/3	R2	-	X250-0-112-17-8004-3R2.pdf
One lane deck type truss - Precast non-continuous concrete deck	0/112/17/8004/4	R2	-	X251-0-112-17-8004-4R2.pdf
One lane deck type truss - Precast non-continuous concrete deck - Sections & details	0/112/17/8004/5	R2	-	X252-0-112-17-8004-5R2.pdf
Two lane deck type truss - In-situ concrete deck	0/112/17/8004/6	R1	-	X253-0-112-17-8004-6R1.pdf
Two lane deck type truss - Precast concrete continuous deck - Insitu concrete	0/112/17/8004/7	-	10/84	X254-0-112-17-8004-7R0.pdf
Two lane deck type truss - Precast concrete continuous deck - Precast concrete	0/112/17/8004/8	-	10/84	X255-0-112-17-8004-8R0.pdf
Two lane deck type truss - Precast non-continuous concrete deck	0/112/17/8004/9	-	2/87	X256-0-112-17-8004-9R0.pdf

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DECK SYSTEMS (cont.)				
Two lane deck type truss - Precast non-continuous concrete deck – Sections & details	0/112/17/8004/10	-	2/87	X257-0-112-17-8004-10R0.pdf
Two lane through type truss - In-situ concrete deck	0/112/17/8004/14	-	-	X258-0-112-17-8004-14R0.pdf
Two lane through type truss - Precast concrete continuous deck – Dimensions	0/112/17/8004/15	-	10/84	X259-0-112-17-8004-15R0.pdf
Two lane through type truss - Precast concrete continuous deck – Reinforcement	0/112/17/8004/16	-	10/84	X260-0-112-17-8004-16R0.pdf
Two lane through type truss – Design report – Alternatives 1a, 1b, 1c & 2	0/112/17/6004/1	-	7.10.81	X261-0-112-17-6004-1R0.pdf
Two lane through type truss – Design report – Alternatives 3a, 3b & 3c	0/112/17/6004/2	-	7.10.81	X262-0-112-17-6004-2R0.pdf
ERECTION EQUIPMENT				
25.8/26mm dia. Plug gauge	0/112/18/7004/1	R1	18.4.80	X263-0-112-18-7004-1R1.pdf
Jacking beam – Type A	0/112/18/7004/2	-	18.4.80	X264-0-112-18-7004-2R0.pdf
Jacking beam – Type B	0/112/18/7004/3	-	18.4.80	X265-0-112-18-7004-3R0.pdf
Launching skid shoe – Type A	0/112/18/7004/4	R5	-	X266-0-112-18-7004-4R5.pdf
Assembly clip	0/112/18/7004/5	-	18.4.80	X267-0-112-18-7004-5R0.pdf
27/27.2mm dia. Plug gauge	0/112/18/7004/6	-	28.11.78	X268-0-112-18-7004-6R0.pdf
Jacking bracket	0/112/18/7004/7	-	18.4.80	X269-0-112-18-7004-7R0.pdf
Rocking beam bearing	0/112/18/7004/11	R3	-	X270-0-112-18-7004-11R3.pdf
Launching jack	0/112/18/7004/12	-	18.4.80	X271-0-112-18-7004-12R0.pdf
General arrangement	0/112/18/7004/15	R2	-	X272-0-112-18-7004-15R2.pdf
Rocking beam pull-down bracket	0/112/18/7004/17	-	-	X273-0-112-18-7004-17R0.pdf
Launching yoke beam (double truss)	0/112/18/7004/18	-	-	X274-0-112-18-7004-18R0.pdf
Launching anchor beam (double truss)	0/112/18/7004/19	-	-	X275-0-112-18-7004-19R0.pdf
Pier jacking beam	0/112/18/7004/20	-	-	X276-0-112-18-7004-20R0.pdf
Pier jacking beam truss connector	0/112/18/7004/21	-	-	X277-0-112-18-7004-21R0.pdf

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STANDARD BRIDGE DESIGNS - STEEL BEAMS				
UNIVERSAL BEAMS 8m TO 22m SPANS - TWO LANE				
Typical sections of superstructure - Cases 1 to 3	0/113/1/8004/1	-	24.12.76	X278-0-113-1-8004-1R0.pdf
Typical sections of superstructure - Cases 4 & 5	0/113/1/8004/2	-	24.12.76	X279-0-113-1-8004-2R0.pdf
Deck reinforcement details for deck Cases 1 to 3	0/113/1/8004/3	R1	1.8.80	X280-0-113-1-8004-3R1.pdf
Deck reinforcement details for deck Cases 4 & 5	0/113/1/8004/4	R1	1.8.80	X281-0-113-1-8004-4R1.pdf
R.C. end beam details	0/113/1/8004/5	R1	24.12.76	X282-0-113-1-8004-5R1.pdf
Schematic details of connections for simple spans - Cases 1A, 1P, 2A	0/113/1/8004/6	-	24.12.76	X283-0-113-1-8004-6R0.pdf
Schematic details of connections for simple spans - Cases 2P, 3P	0/113/1/8004/7	-	24.12.76	X284-0-113-1-8004-7R0.pdf
Overload capacity & design data	0/113/1/8004/8	-	6.4.77	X285-0-113-1-8004-8R0.pdf
Fabrication details 8m span beam	0/113/1/7004/1	R1	1.8.77	X286-0-113-1-7004-1R1.pdf
Fabrication details 8m span beam cross frames	0/113/1/7004/2	R1	1.8.77	X287-0-113-1-7004-2R1.pdf
Fabrication details 10m span beam	0/113/1/7004/3	R1	1.8.77	X288-0-113-1-7004-3R1.pdf
Fabrication details 10m span beam cross frames	0/113/1/7004/4	R1	1.8.77	X289-0-113-1-7004-4R1.pdf
Fabrication details 12m span beam	0/113/1/7004/5	R1	1.8.77	X290-0-113-1-7004-5R1.pdf
Fabrication details 12m span beam cross frames	0/113/1/7004/6	R1	1.8.77	X291-0-113-1-7004-6R1.pdf
Fabrication details 14m span beam	0/113/1/7004/7	R1	1.8.77	X292-0-113-1-7004-7R1.pdf
Fabrication details 14m span beam cross frames	0/113/1/7004/8	R1	1.8.77	X293-0-113-1-7004-8R1.pdf
Fabrication details 16m span beam	0/113/1/7004/9	R1	1.8.77	X294-0-113-1-7004-9R1.pdf
Fabrication details 16m span beam cross frames	0/113/1/7004/10	R1	1.8.77	X295-0-113-1-7004-10R1.pdf
Fabrication details 18m span beam	0/113/1/7004/11	R1	1.8.77	X296-0-113-1-7004-11R1.pdf
Fabrication details 18m span beam cross frames	0/113/1/7004/12	R1	1.8.77	X297-0-113-1-7004-12R1.pdf
Fabrication details 20m span beam	0/113/1/7004/13	R1	1.8.77	X298-0-113-1-7004-13R1.pdf
Fabrication details 20m span beam cross frames	0/113/1/7004/14	R1	1.8.77	X299-0-113-1-7004-14R1.pdf
Fabrication details 22m span beam	0/113/1/7004/15	R1	1.8.77	X300-0-113-1-7004-15R1.pdf
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Schematic details of connections for simple spans - Cases 2P, 3P	0/113/2/8004/5	-	9.4.79	X306-0-113-2-8004-5R0.pdf
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Fabrication details 12m span beam	0/113/2/7004/3	-	9.4.79	X310-0-113-2-7004-3R0.pdf
Fabrication details 14m span beam	0/113/2/7004/4	-	9.4.79	X311-0-113-2-7004-4R0.pdf
Fabrication details 16m span beam	0/113/2/7004/5	-	9.4.79	X312-0-113-2-7004-5R0.pdf
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Fabrication details 22m span beam	0/113/2/7004/8	-	9.4.79	X315-0-113-2-7004-8R0.pdf
STANDARD BRIDGE DESIGNS PILES				
DESIGN DATA				
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Pre-stressed concrete: 450mm	0/114/1/8004/2	R1	7.7.77	X317-0-114-1-8004-2R1.pdf
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Steel H-section (piling beams 130 & 141kg/m)	0/114/1/8004/7	R1	7.7.77	X322-0-114-1-8004-7R1.pdf
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Tubular handrails - Top fixing - Assembly and fabrication details	0/118/2/7004/7	-	29.6.82	X331-0-118-2-7004-7R0.pdf
Tubular handrails - Side fixing - Assembly and fabrication details	0/118/2/7004/8	-	29.6.82	X332-0-118-2-7004-8R0.pdf
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Expansion joints - Single seal joints of up to 80mm maximum total movement - Typical details and suggested construction sequence	0/118/4/8004/1	-	-	X334-0-118-4-8004-1R0.pdf
Reinforced earth walls - Typical panel details	0/118/6/8004/1	R1	21.8.80	X335-0-118-6-8004-1R1.pdf