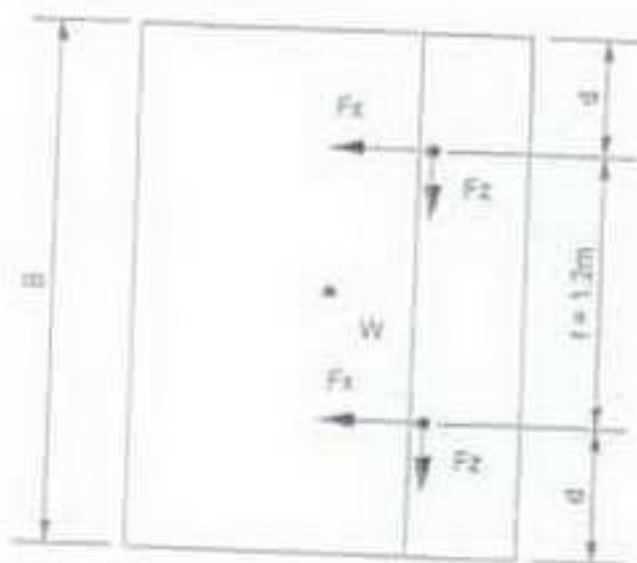


SE/100808/F



SIDE ELEVATION



PLAN

Bridge Span (ft)	20'		30'		40'	
Live load (kN/sq.m)	1.50	3.0	1.50	3.0	1.50	3.0
D (m)	1.8	1.9	1.5	1.9	1.5	1.8
B (m)	1.8	1.9	1.8	1.9	1.8	1.8
H _o (m)	0.15	0.15	0.15	0.15	0.15	0.15
H _p (m)	0.85	0.85	0.85	0.85	0.85	0.85
Maximum Bearing Pressure (kN/sq. m)	110	100	100	90	100	100
Factor of Safety Overturning	1.64	1.64	1.72	1.70	1.75	1.72
Factor of Safety Sliding	1.51	1.25	1.58	1.26	1.57	1.24

7.7m
25'

9 - APR 2010

09 APR 2010

NOTE

1. The Contractor must ensure that ground conditions are satisfactory to withstand the maximum bearing pressure noted above.

2. Minimum factors of safety for short term loading are as follows:

FoS against overturning 1.5
FoS against sliding 1.1

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Title: COULSON'S BRIDGES
FOUNDATION REQUIREMENTS

Job No.
99/291

Org. No.
D4

Rev.