

FOOTING SELECTION FOR STEEL BRIDGES				
FOOTING TYPE	MAXIMUM SPAN			
	BCL-625	L100	L150	L165
S1	22 000	14 000		
S2	34 000	22 000	14 000	12 000
S3	40 000	30 000	24 000	20 000
S4		40 000	32 000	30 000
S5			40 000	40 000

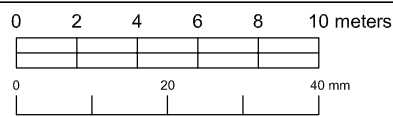

FOOTING DIMENSIONS FOR STEEL BRIDGES							
FOOTING TYPE	FOOTING SIZE						WEIGHT
	A	B	C	D	E	F	(kg)
S1	175	200	900	1800	425	5	1960
S2	175	250	1100	2100	475	5	3350
S3	175	250	1200	2400	475	6	4310
S4	200	250	1400	2700	500	6	5640
S5	225	275	1600	3000	550	6	7775

STEEL COLUMN SELECTION FOR STEEL BRIDGES					
PIPE SIZE		MAXIMUM SPAN			
DIAMETER	THICKNESS	BCL-625	L100	L150	L165
323	9.53	34 000	20 000		
406	9.53	40 000	32 000	20 000	14 000
406	12.7		40 000	32 000	30 000
508	12.7			40 000	40 000

BASED ON MAXIMUM COLUMN HEIGHT OF 4000

RUBBER BEARING DIMENSIONS AND TOP BEARING PLATE THICKNESS FOR STEEL BRIDGES						
L (LENGTH)	W (WIDTH)	T	MAXIMUM SPAN			
			BCL-625	L100	L150	L165
400	450	25.4	24 000	14 000		
400	500	25.4	36 000	20 000	14 000	
450	500	25.4	40 000	28 000	18 000	14 000
450	550	25.4		36 000	22 000	20 000
500	550	25.4		40 000	28 000	24 000
500	600	31.8			34 000	32 000
550	600	31.8			40 000	38 000
550	650	31.8				40 000

**ASSUME NOT TO SCALE
NOT FOR CONSTRUCTION**

DESIGN ENGINEER	 <p>SCALE AS SHOWN</p> <p>BAR LENGTH IS 40mm ON ORIGINAL.</p>	 <p>Ministry of Forests, Lands and Natural Resource Operations</p> <p style="text-align: right;">ENGINEERING BRANCH</p>
STANDARD BRIDGE DRAWING		
DRAWING TITLE: SUBSTRUCTURE DETAILS FOR STEEL BRIDGES - SHEET 2		
DESIGNED BY: HELEN DU, P.ENG.		APPROVED BY:
COORDINATING REGISTERED PROFESSIONAL:		FLNR ENGINEER:
FILE No.	DRAWING No. STD-EC-050-07	
PROFESSIONAL SEAL	REVISIONS	0