

FOUNDATION LOADS

je	Minimum Concrete Pile Size	5XB20 & 5XB28 X-Beams				
		Pile Loads				
	In.	(Tons/Pile)				
		64				
	18	70				
		76				
	20	81				
		87				
		93				
	24	98				
		104				
		110				
		115				

TABLE OF ESTIMATED QUANTITIES

40 THRU 85 SPANS									
Bar	No.	Size	Length		Weight				
А	8	#9	46'-2"		1,256				
D 3	4	1 ¼"D	1′-8″		28				
S	48	#5	13'-6"		676				
Т	4	#5	46′-2″		193				
Reinfo	rcing S	Lb	2,153						
Class	"C" Cor	CY	21.7						

- 1 Measured along & of Bearing.
- (2) Right and left elevations and locations are provided elsewhere.
- (3) Omit Dowels D at end of units. Adjust reinforcing steel total accordingly.
- (4) See FD standard.
- (5) In areas of very soft soil or where scour is anticipated, maximum allowable exposed pile heights shall be evaluated by the Engineer prior to use of this standard.
- 6 When HP14 x 117 steel piling is specified in the plans, the Contractor has the option of furnishing either HP14 x 117 or HP16 x 101 steel piling.
- Where no steel HP section is shown, a suitable HP equivalent to the square concrete pile has not been evaluated.

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications. For Bents supporting unequal spans, the

shorter span cannot be less than 80 percent of the longer span. These details are limited to an 85' maximum

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Concrete strength f'c = 3,600 psi. All Cap reinforcing must be Grade 60. Galvanize dowel bars D.

See Bridge Layout for piling size and length. See Foundation Details standard FD for all foundation details and notes.

Bent selected shall be based on the average span length rounded up to the next 5 Ft increment.

Details are drawn showing right forward skew. See Bridge Layout for actual skew direction. These bent details may be used with Standard SXB-44-15 only.

HL93 LOADING										
Texas Department	Bridge Division Standard									
INTERIOR TRESTLE BENTS										
TYPE 5XB20 AND 5XB28 PRESTR CONC X-BEAMS										
44' ROADWAY 15°:						SKEW				
BT X B-44-15										
FILE: xbstde90.dgn	DN: JN	1H	ск: АМ	DW:	JTR	ск: ЈМН				
CTxDOT February 2012	CONT	CONT SECT JOB			HIGHWAY					
REVISIONS										
	DIST COUNTY			· -		SHEET NO.				