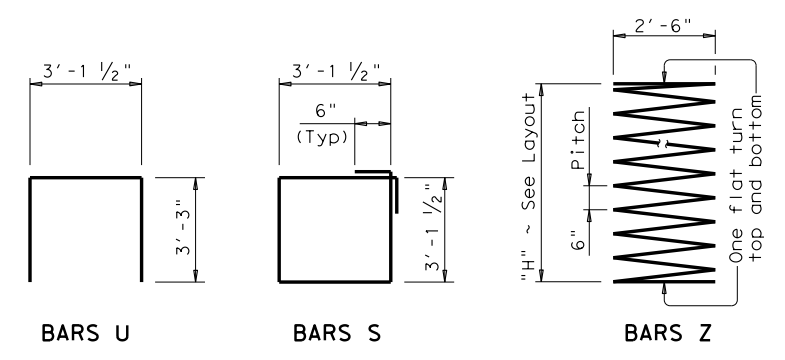
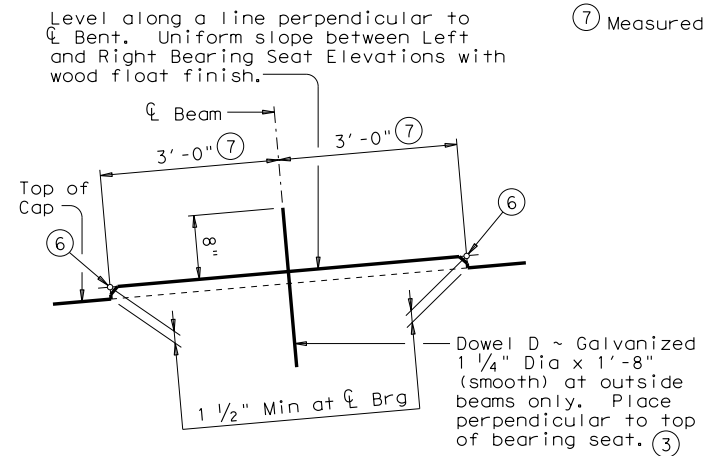
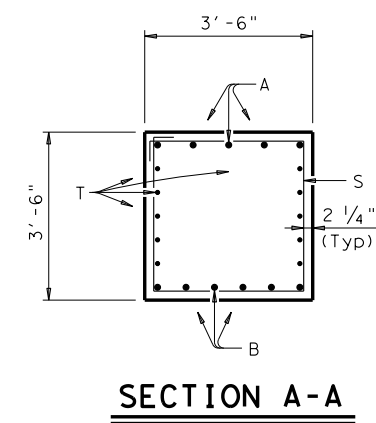
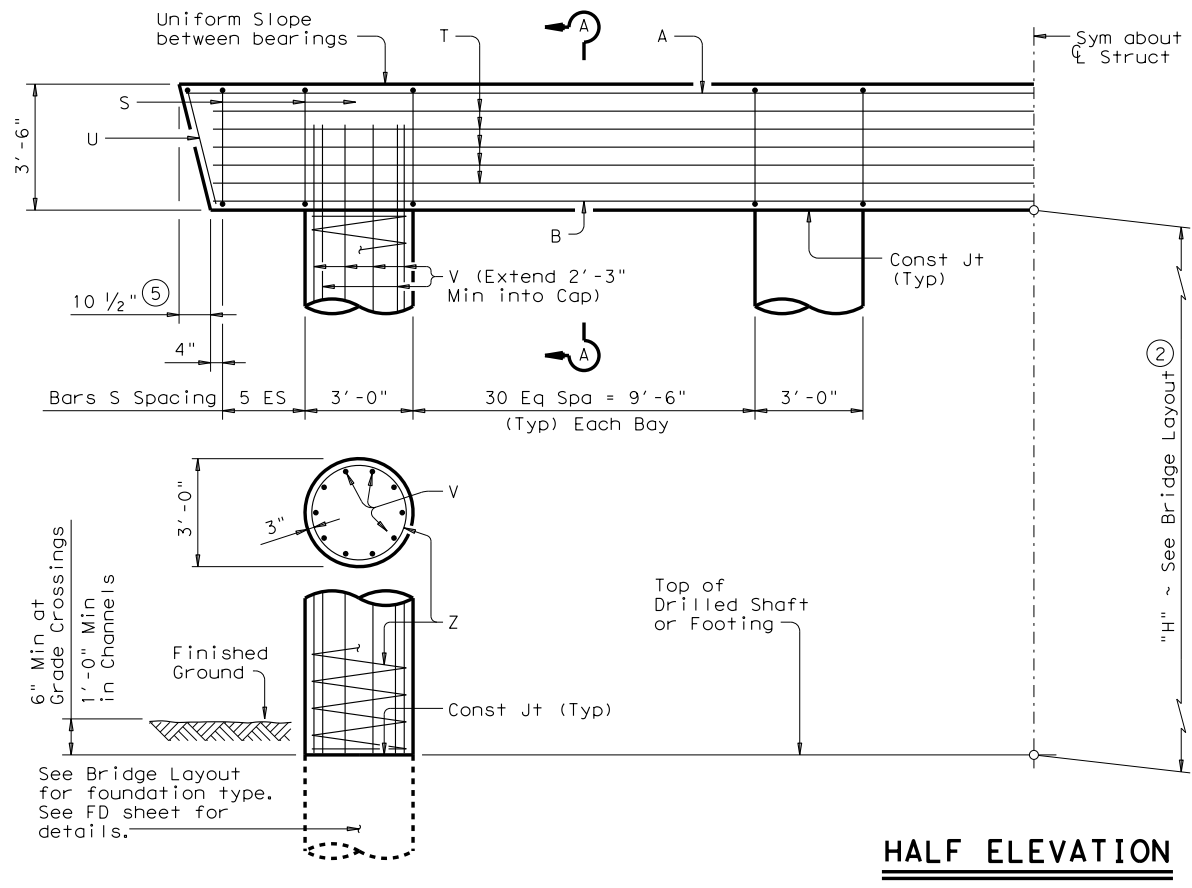
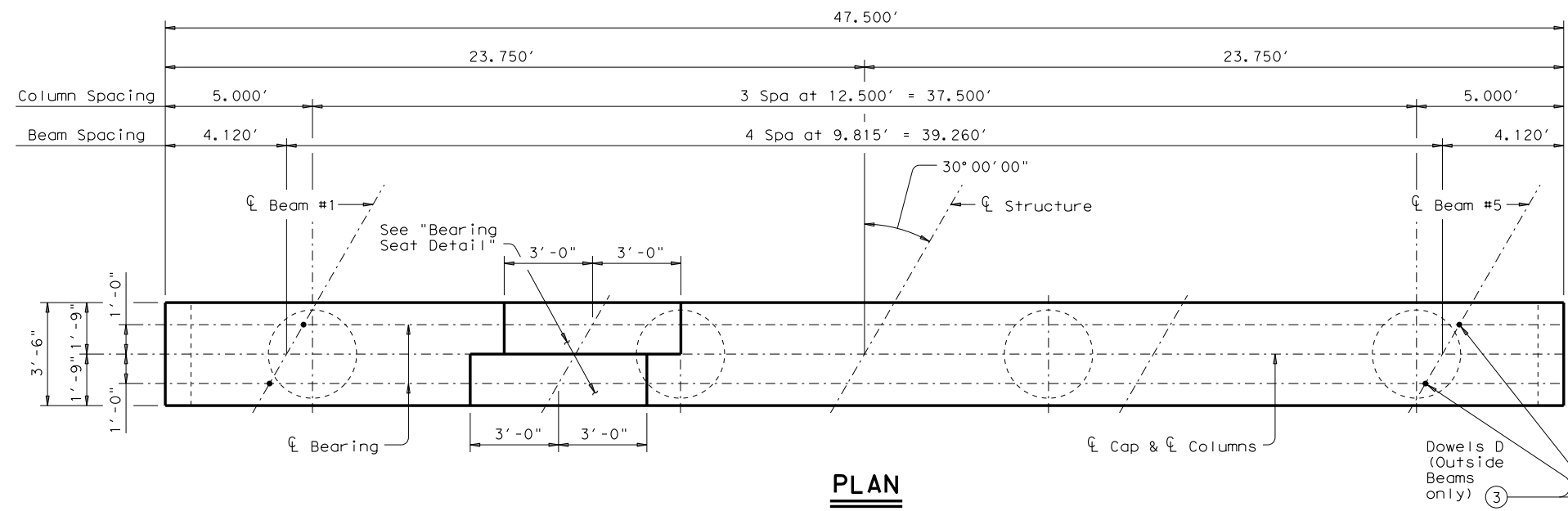


DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:



Bar	No.	Size	Length	Weight
A	5	#11	47'-0"	1,249
B	6	#11	45'-6"	1,450
D (3)	4	1 1/4"D	1'-8"	28
S	105	#5	13'-6"	1,478
T	10	#5	45'-6"	475
U	2	#5	9'-8"	20
V	40	#9	38'-3"	5,202
Z	4	#3	583'-0"	877
Reinforcing Steel				Lb 10,779
Class "C" Concrete (Cap)				CY 21.6
Class "C" Concrete (Col)				CY 37.7

Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)		
		3 Pile Ftg	4 Pile Ftg	5 Pile Ftg
40	115	42	32	26
45	124	45	34	28
50	133	47	36	30
55	141	50	38	31
60	150	53	41	33
65	158	56	43	35
70	167	59	45	37
75	175	62	47	38
80	184	64	49	40
85	192	67	51	42
90	201	70	53	43
95	209	73	55	45
100	218	76	58	47
105	226	79	60	48

- Quantities shown are based on an "H" value of 36'. For each linear foot variation in "H" value, make the following adjustments:
 Bars V length, 1'-0"
 Bars Z length, 15,740'
 Reinforcing Steel, 160 Lb
 Class "C" Conc (Col), 1.047 CY
- This standard may not be used for "H" heights exceeding 36'. In areas of very soft soil or where scour is anticipated, allowable "H" heights must be evaluated by the Engineer prior to the use of this standard.
- Omit Dowels D at end of units. Adjust reinforcing steel total accordingly.
- Foundation Loads based on "H" = 36'.
- Measured parallel to top of cap cross-slope.
- Right and left elevations and locations are provided elsewhere.
- Measured along \bar{C} of Bearing.

GENERAL NOTES:
 Designed according to AASHTO LRFD Specifications.
 Concrete strength $f'_c = 3,600$ psi.
 All Cap reinforcing must be Grade 60.
 Galvanize dowel bars D.
 Column and Drilled Shaft reinforcing may be Grade 40.
 See Bridge Layout for foundation type, size and length.
 See Foundation Detail standard FD for all foundation details and notes.
 Bent selected must 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-40-30 only.

HL93 LOADING

Texas Department of Transportation
 Bridge Division Standard

INTERIOR BENTS
 TYPE 5XB20 THRU 5XB40
 PRESTR CONC X-BEAMS
 40' ROADWAY 30° SKEW
 BXB-40-30

FILE: xbstde66.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
©TxDOT June 2011	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY	SHEET NO.	