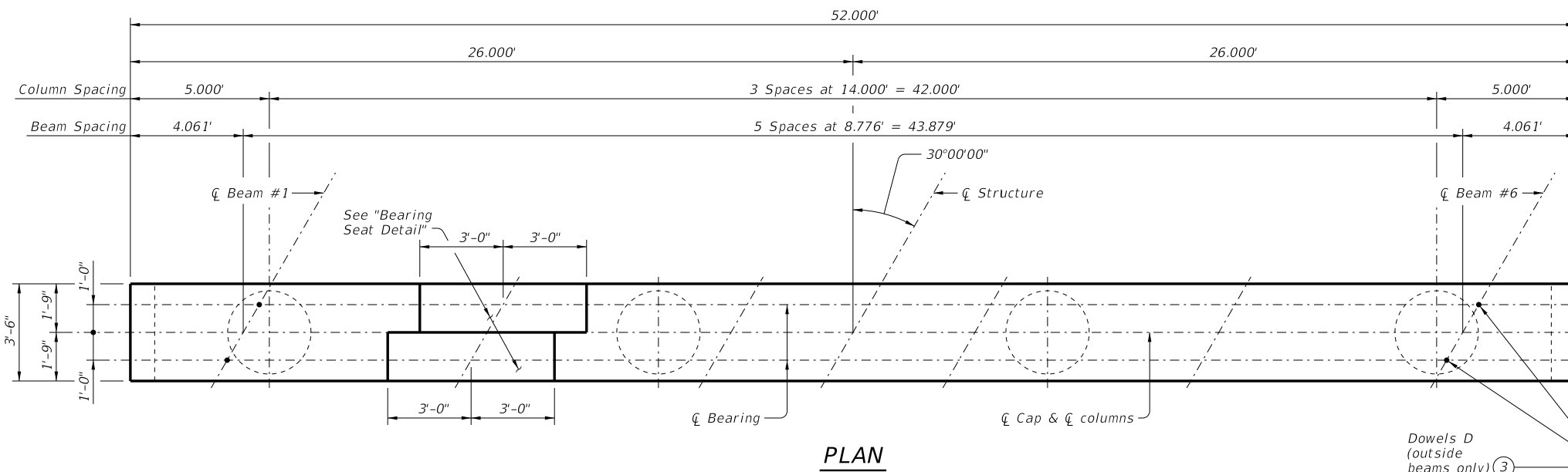
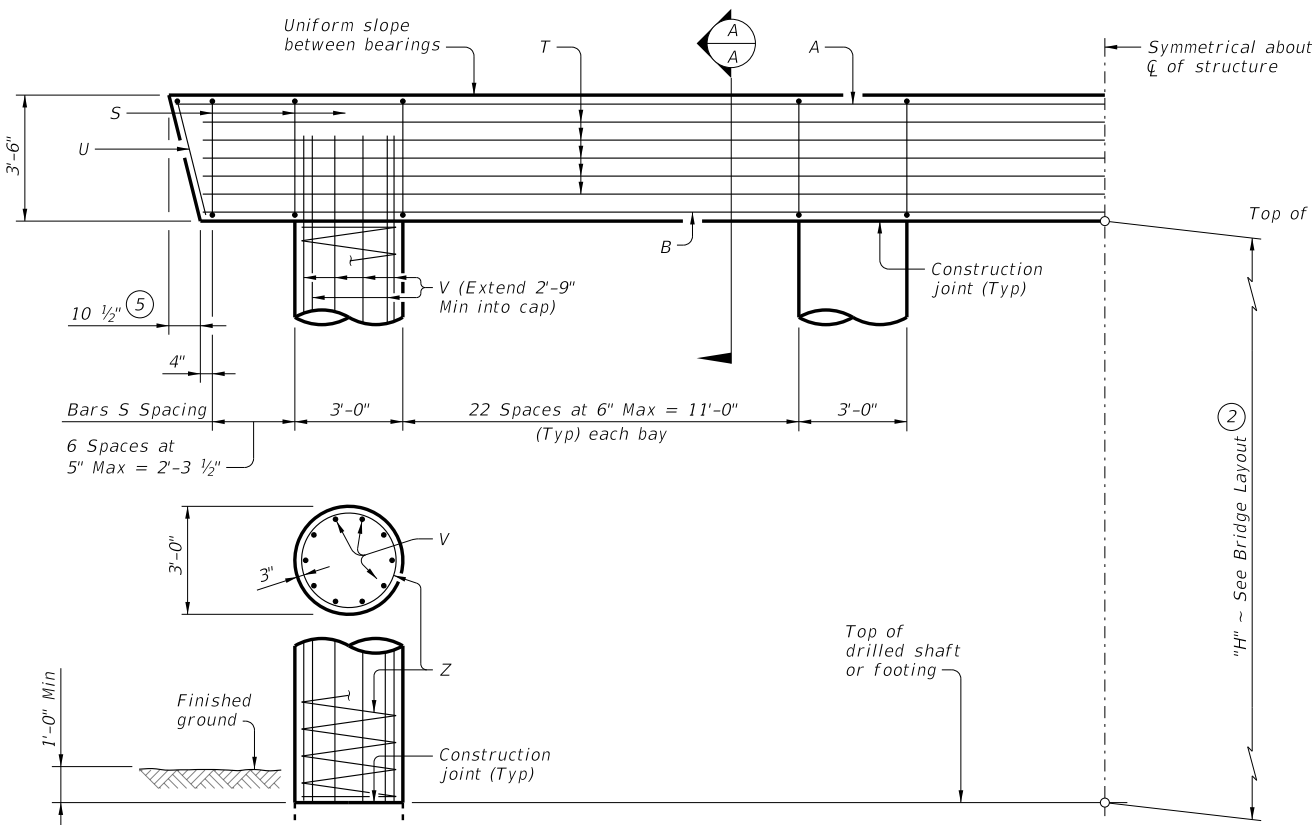


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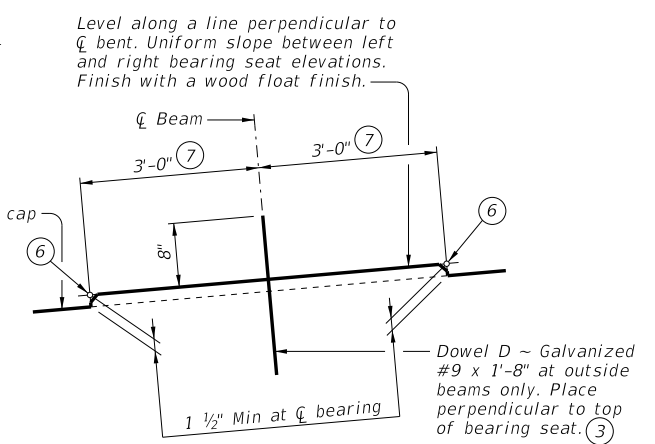
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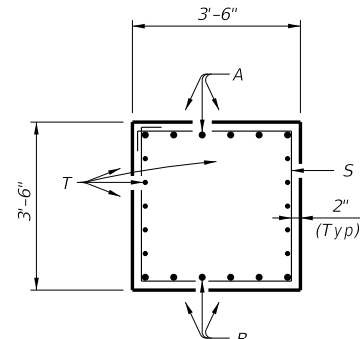
**PLAN**



**HALF ELEVATION**



**BEARING SEAT DETAIL**



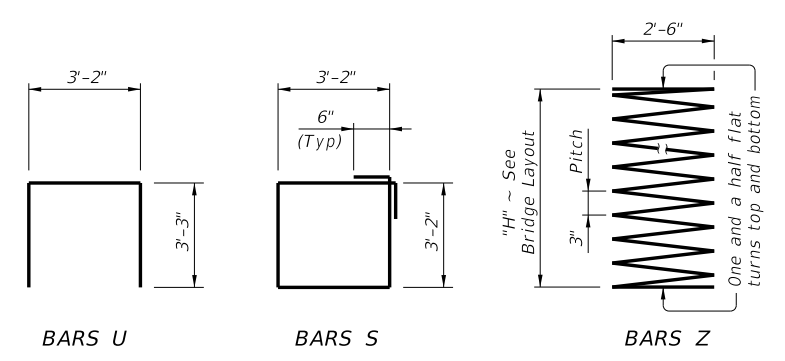
**SECTION A-A**

Bar	No.	Size	Length	Weight	
A	6	#11	51'-6"	1,642	
B	6	#11	50'-0"	1,594	
D (3)	4	#9	1'-8"	23	
S	83	#5	13'-8"	1,183	
T	10	#5	50'-0"	522	
U	2	#5	9'-8"	20	
V	40	#9	38'-9"	5,270	
Z	4	#4	1154'-7"	3,085	
Reinforcing Steel				Lb	13,339
Class "C" Concrete (Cap)				CY	23.8
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	128	47	36	29
45	138	50	38	31
50	148	53	41	33
55	158	57	43	35
60	169	60	46	37
65	179	63	48	39
70	188	67	51	41
75	198	70	53	43
80	208	73	56	45
85	218	77	58	47
90	228	80	61	49
95	238	83	63	51
100	248	87	66	53
105	258	90	68	55
110	268	93	70	57

- MATERIAL NOTES:**  
 Provide Class C concrete ( $f'c = 3,600$  psi).  
 Provide Class C (HPC) concrete if shown elsewhere in the plans.  
 Provide Grade 60 reinforcing steel.  
 Galvanize dowel bars D.
- GENERAL NOTES:**  
 Designed according to AASHTO LRFD Bridge Design Specifications. See Bridge Layout for foundation type, size and length. See Common Foundation Details (FD) standard for all foundation details and notes.  
 See Shear Key Details (XBSK) standard sheet for all shear key details and notes if applicable.  
 Bent selected must be based on the average span length, rounded up to the next 5-foot increment.  
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.  
 These bent details may be used with standard SXB-44-30 only.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.



- 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, 31'-5"  
 Reinforcing Steel, 220 lb  
 Class C Concrete (Col), 1.05 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 multi-span 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 centerline of bearing.

HL93 LOADING

Texas Department of Transportation  
 Bridge Division Standard

**INTERIOR BENTS  
 PRESTR CONC X-BEAMS  
 (TYPE 5XB20 THROUGH 5XB40)  
 44' ROADWAY 30° SKEW  
 BXB-44-30**

FILE: XB-BXB4430-22.dgn	DN: BMP	CK: EFC	DW: JER	CK: BMP
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REVISIONS				
DIST		COUNTY		SHEET NO.