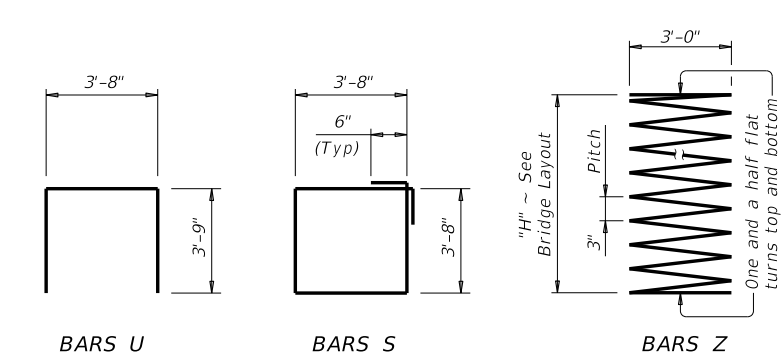
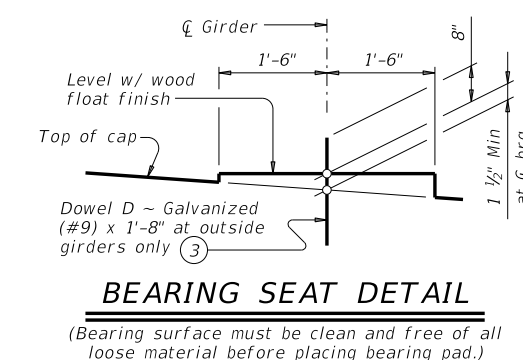
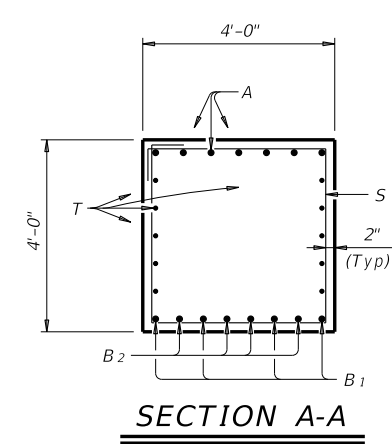
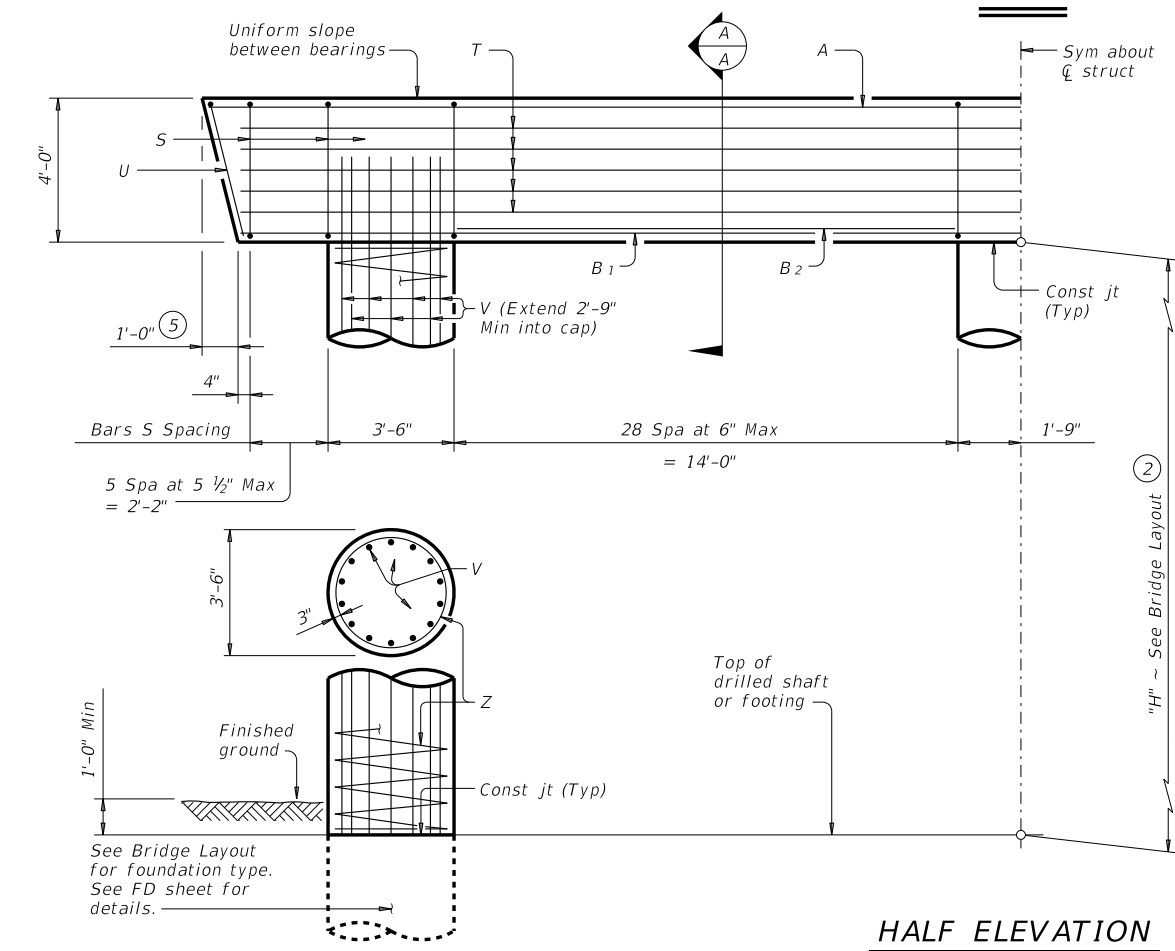
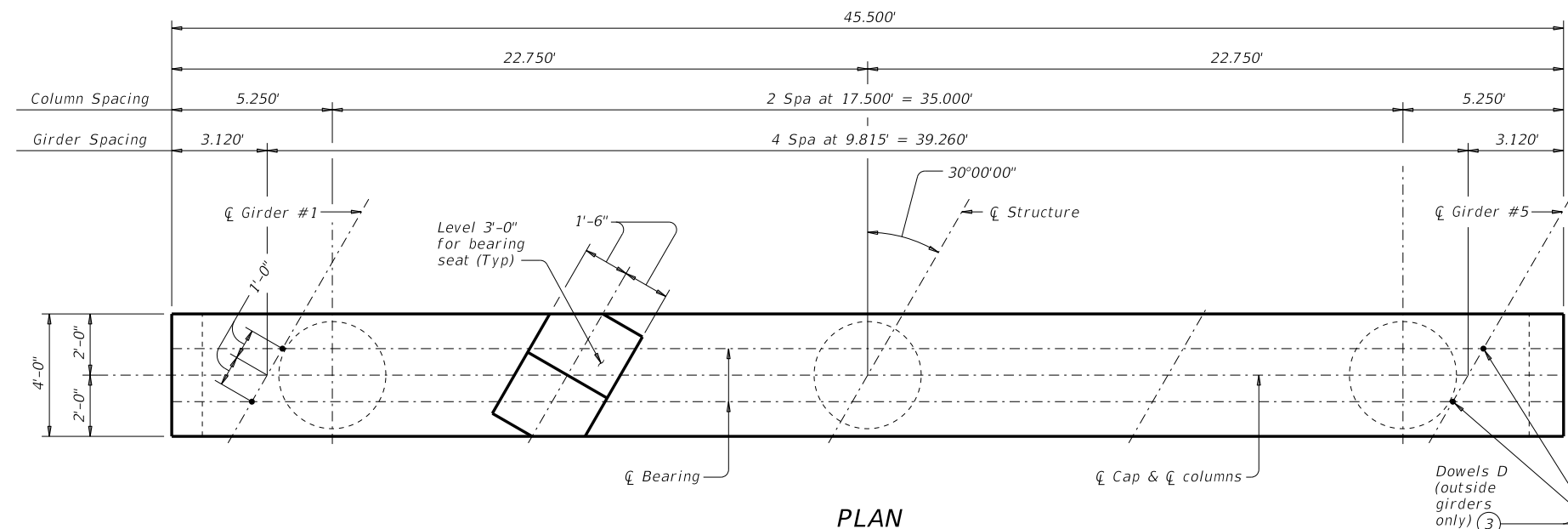


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DATE: FILE:



- 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, 37'-9"
 Reinforcing steel, 219 Lb
 Class "C" conc (col), 1.07 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.

TABLE OF ESTIMATED QUANTITIES (1)				
Bar	No.	Size	Length	Weight
A	7	#11	45'- 0"	1,674
B ₁	4	#11	43'- 3"	919
B ₂	8	#11	14'- 0"	595
D (3)	4	#9	1'-8"	23
S	70	#5	15'- 8"	1,144
T	10	#5	43'- 3"	451
U	2	#5	11'- 2"	23
V	42	#9	38'- 9"	5,534
Z	3	#4	1,387'- 3"	2,780
Reinforcing Steel			Lb	13,143
Class "C" Concrete (Cap)			CY	26.7
Class "C" Concrete (Col)			CY	38.5

FOUNDATION LOADS (4)			
Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)	
		4 Pile Ftg	5 Pile Ftg
Ft	Tons/Shaft		
60	192	51	42
65	203	54	44
70	213	56	46
75	223	59	48
80	234	62	50
85	244	64	52
90	254	67	54
95	265	69	56
100	275	72	58
105	285	74	60
110	296	77	62
115	306	80	64
120	316	82	66
125	326	85	68
130	337	87	71
135	347	90	73

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 sheet for all foundation details and notes. See Shear Key (IGSK) 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 ft increment. Details are drawn showing right forward skew. See Bridge Layout for actual skew direction. These bent details may be used with standard SIG-62-38-30 only.

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

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.

HL93 LOADING

Texas Department of Transportation
 Bridge Division Standard

INTERIOR BENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 38' ROADWAY 30° SKEW

BIG-62-38-30

FILE: big35sts-17.dgn	DN: TAR	CK: SDB	DW: JTR	CK: TAR
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REVISIONS	DIST	COUNTY	SHEET NO.	