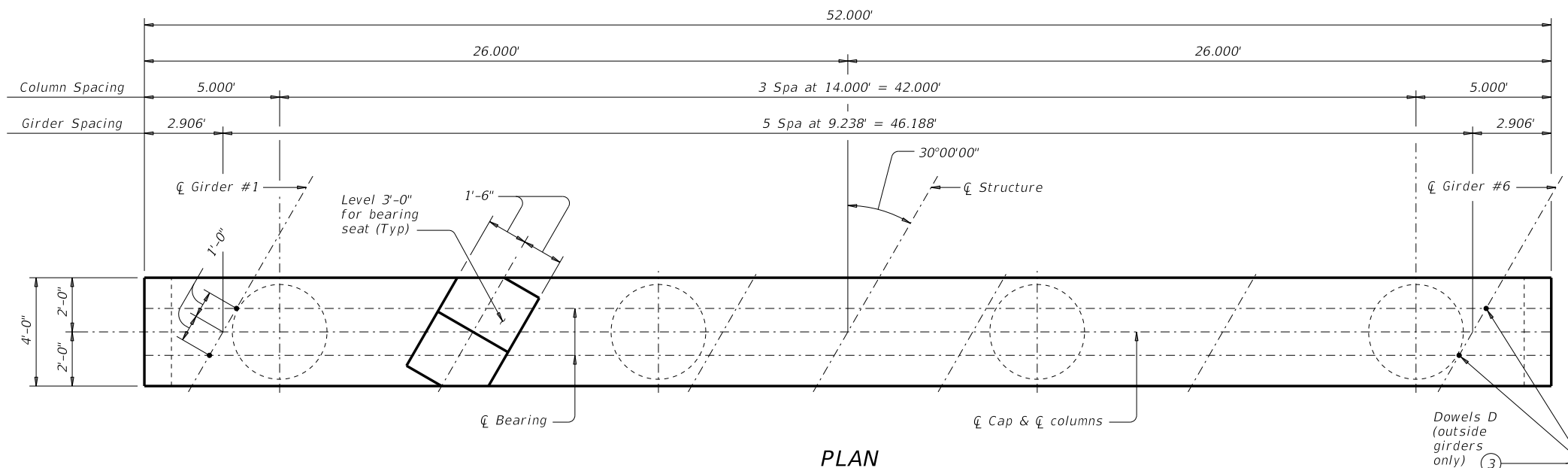
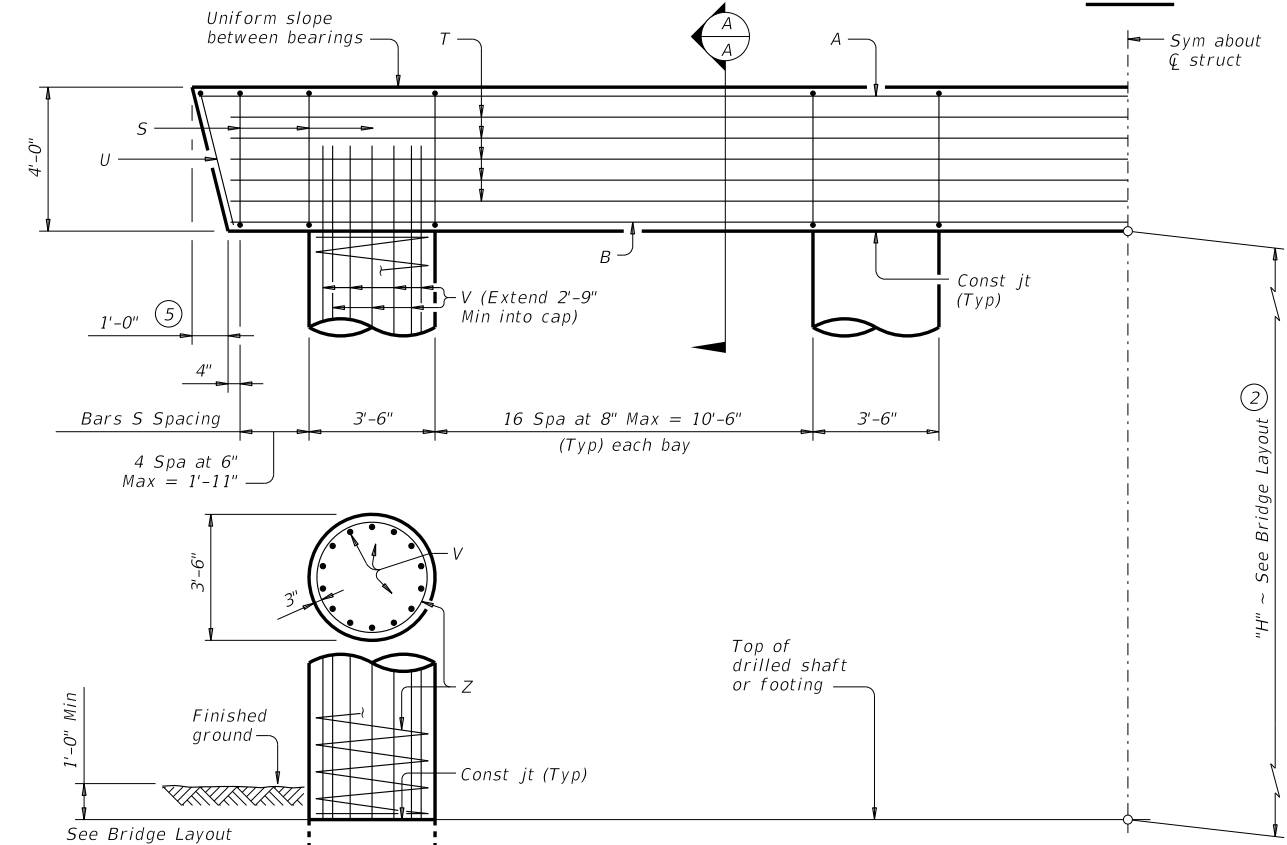


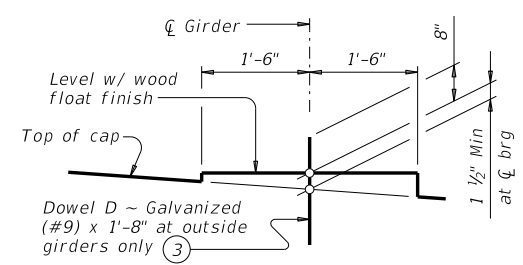
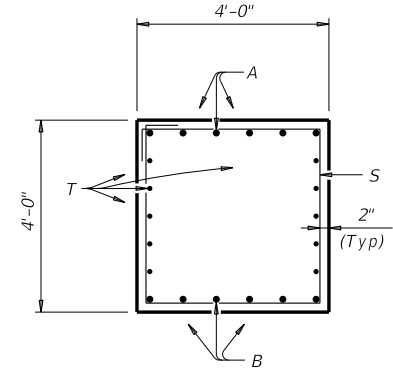
DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



PLAN

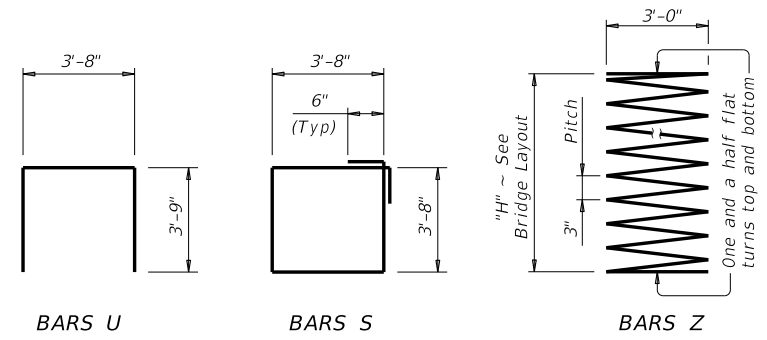


HALF ELEVATION



BEARING SEAT DETAIL

(Bearing surface must be clean and free of all loose material before placing bearing pad.)



- 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, 291 Lb
Class "C" conc (col), 1.43 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.

Bar	No.	Size	Length	Weight	
A	6	#11	51'- 6"	1,642	
B	6	#11	49'- 9"	1,586	
D ③	4	#9	1'- 8"	23	
S	61	#5	15'- 8"	997	
T	10	#5	49'- 9"	519	
U	2	#5	11'- 2"	23	
V	56	#9	38'- 9"	7,378	
Z	4	#4	1,387'- 3"	3,707	
Reinforcing Steel				Lb	15,875
Class "C" Concrete (Cap)				CY	30.6
Class "C" Concrete (Col)				CY	51.3

Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)	
		4 Pile Ftg	5 Pile Ftg
Ft	Tons/Shaft		
60	165	44	36
65	174	47	38
70	183	49	40
75	192	51	42
80	201	53	43
85	210	56	45
90	219	58	47
95	227	60	49
100	236	62	50
105	245	64	52
110	254	67	54
115	262	69	56
120	271	71	57
125	280	73	59
130	289	75	61
135	297	77	63

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-62-44-30 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

		Bridge Division Standard	
INTERIOR BENTS TYPE TX62 PRESTR CONC I-GIRDERS 44' ROADWAY 30° SKEW BIG-62-44-30			
FILE: big39sts-17.dgn	DN: TAR	CK: SDB	DW: JTR
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REVISIONS	COUNTY		SHEET NO.

DATE: FILE: