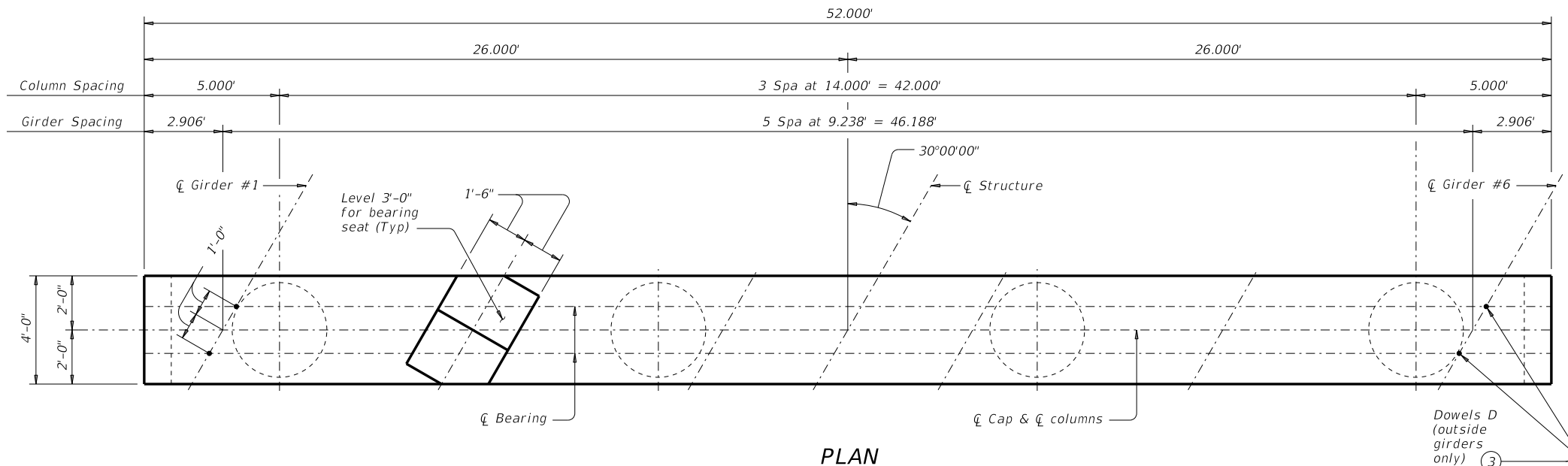
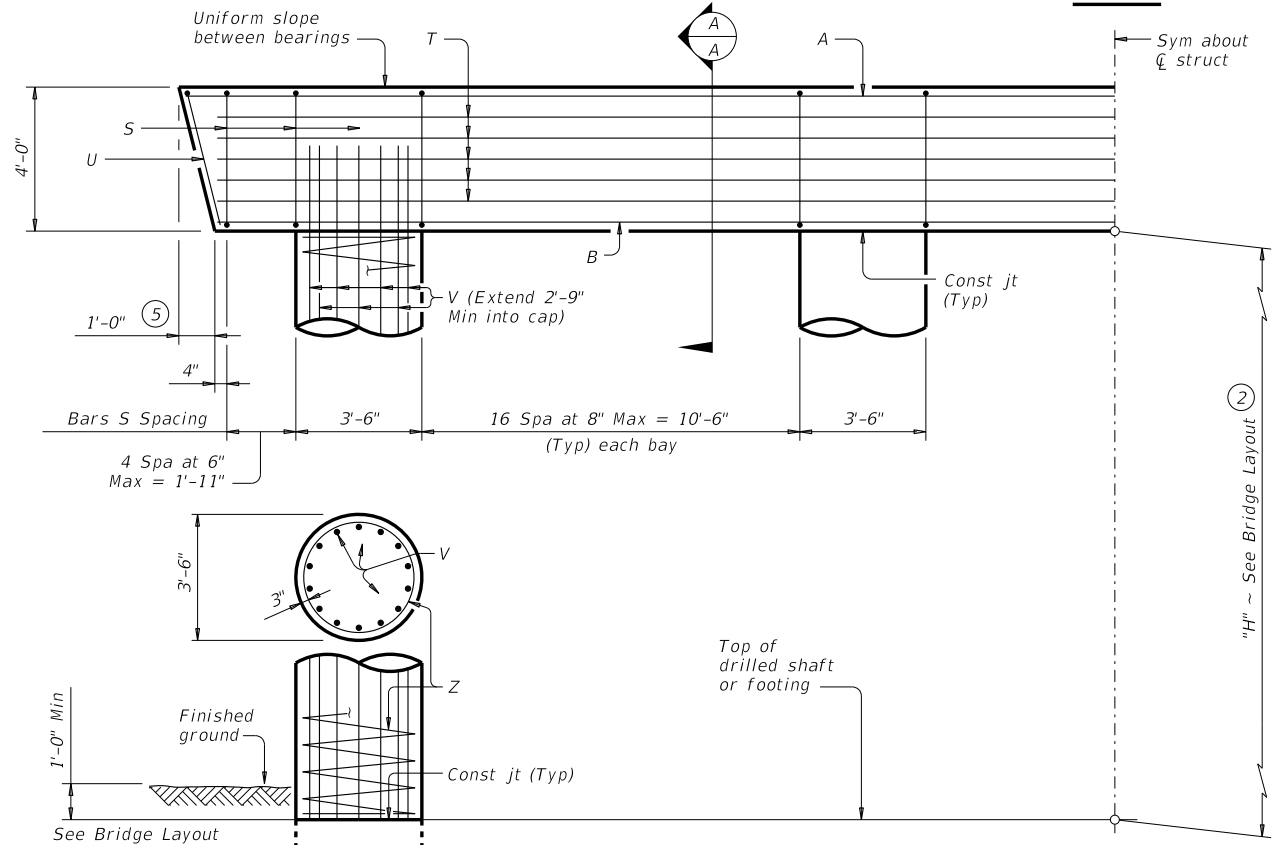


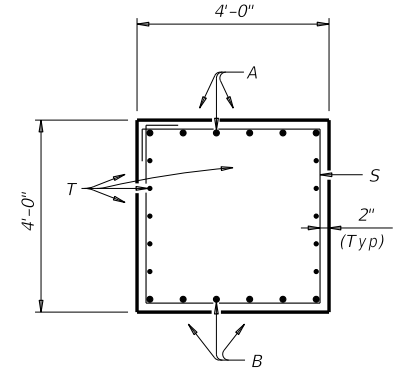
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



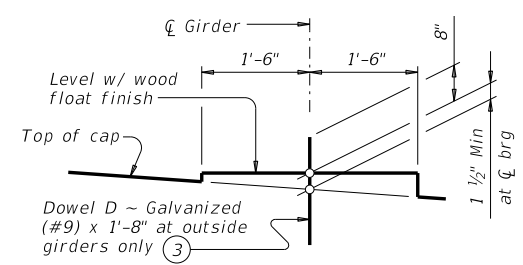
PLAN



HALF ELEVATION

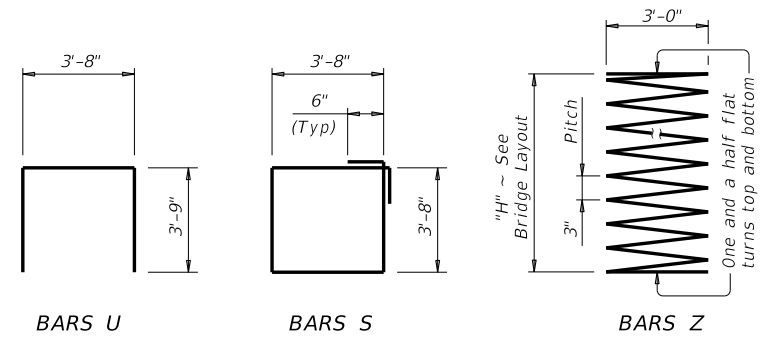


SECTION A-A



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.

TABLE OF ESTIMATED QUANTITIES ①

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

FOUNDATION LOADS ④

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

Texas Department of Transportation
 Bridge Division Standard

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

BIG-62-44-30

FILE: IG-BIG624430-17.dgn	DN: TAR	CK: SDB	DW: JTR	CK: TAR
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REVISIONS	DIST	COUNTY	SHEET NO.	

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