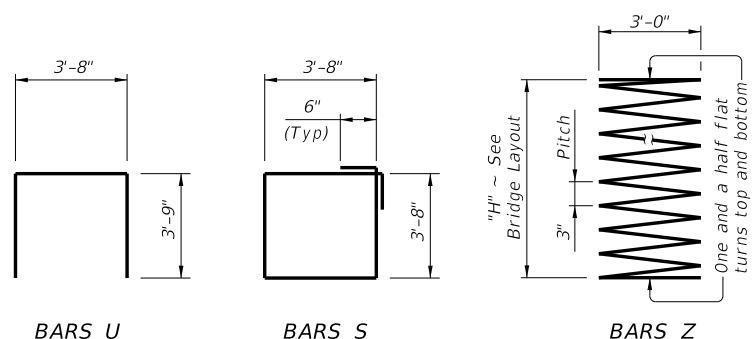
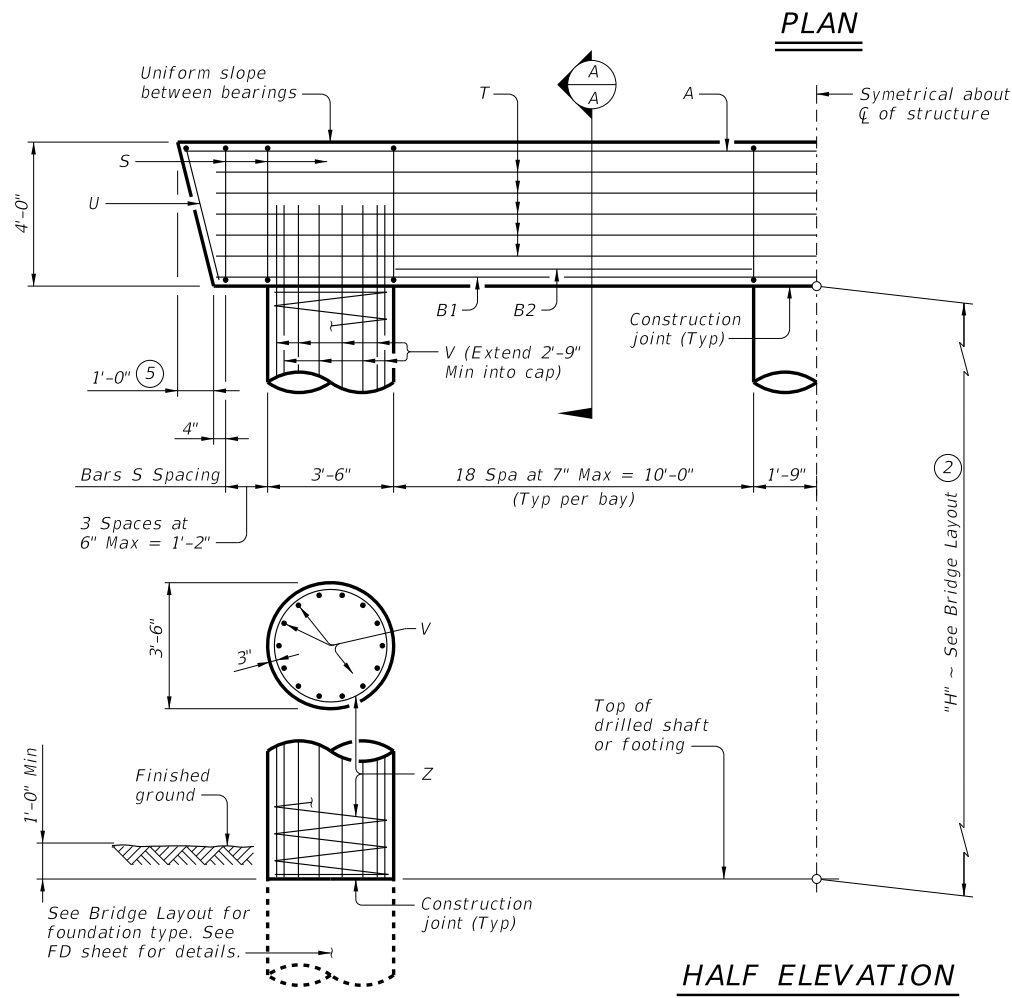
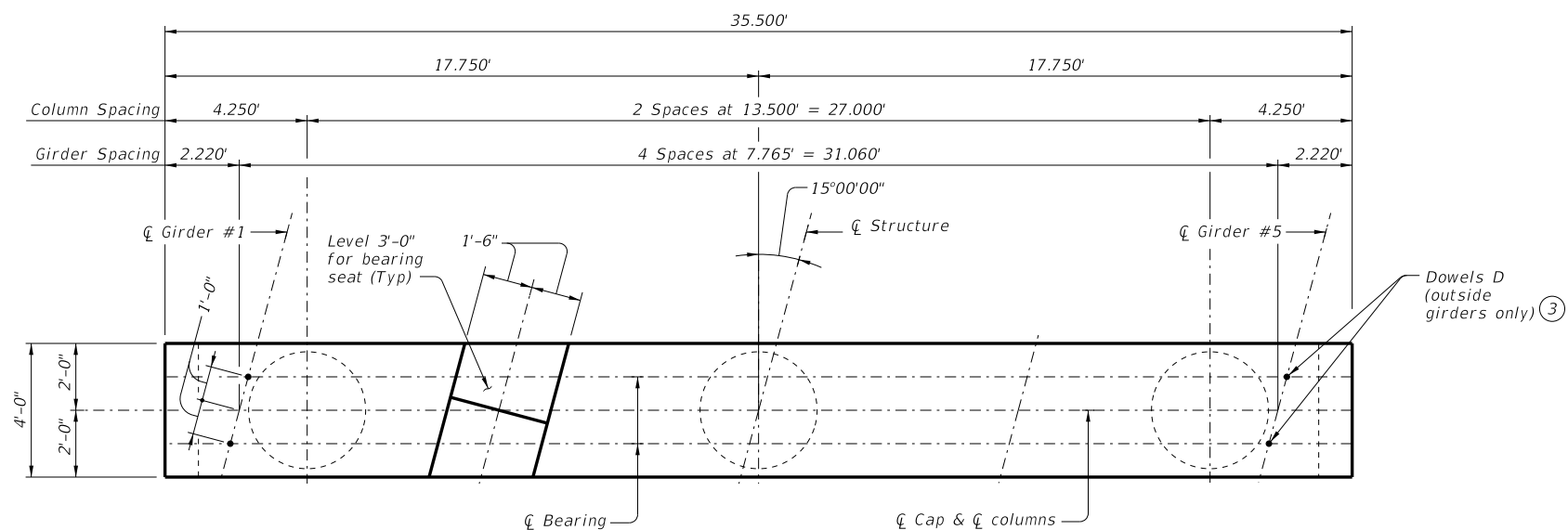


DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:



- 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.

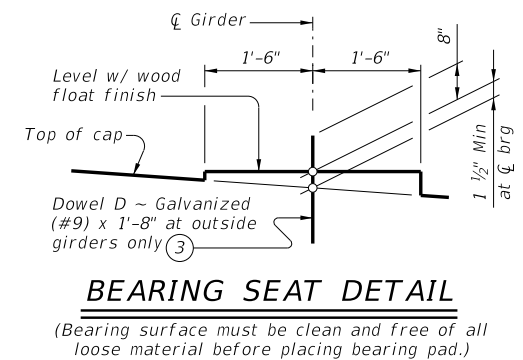
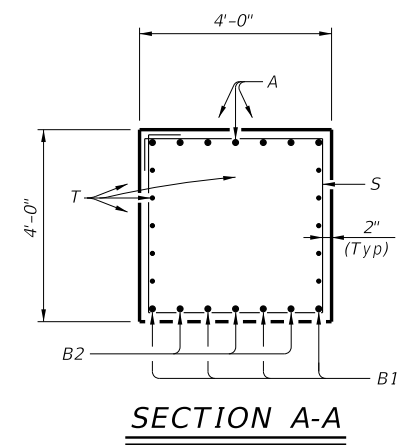


TABLE OF ESTIMATED QUANTITIES ①				
Bar	No.	Size	Length	Weight
A	7	#11	35'-0"	1,302
B1	4	#11	33'-3"	707
B2	6	#11	12'-0"	383
D ③	4	#9	1'-8"	23
S	46	#5	15'-8"	752
T	10	#5	33'-3"	347
U	2	#5	11'-2"	23
V	42	#9	38'-9"	5,534
Z	3	#4	1387'-3"	2,780
Reinforcing Steel			Lb	11,851
Class "C" Concrete (Cap)			CY	20.7
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	175	47	38
65	184	49	40
70	194	52	42
75	204	54	44
80	213	56	46
85	223	59	48
90	233	61	50
95	242	64	52
100	252	66	54
105	262	69	56
110	271	71	57
115	281	73	59
120	290	76	61
125	300	78	63
130	309	80	65
135	319	83	67

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 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-62-34-15 only.

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

HL93 LOADING

Texas Department of Transportation
 Bridge Division Standard

INTERIOR BENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 34' ROADWAY 15° SKEW

BIG-62-34-15

FILE: IG-BIG623415-23.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
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REVISIONS		DIST	COUNTY	SHEET NO.