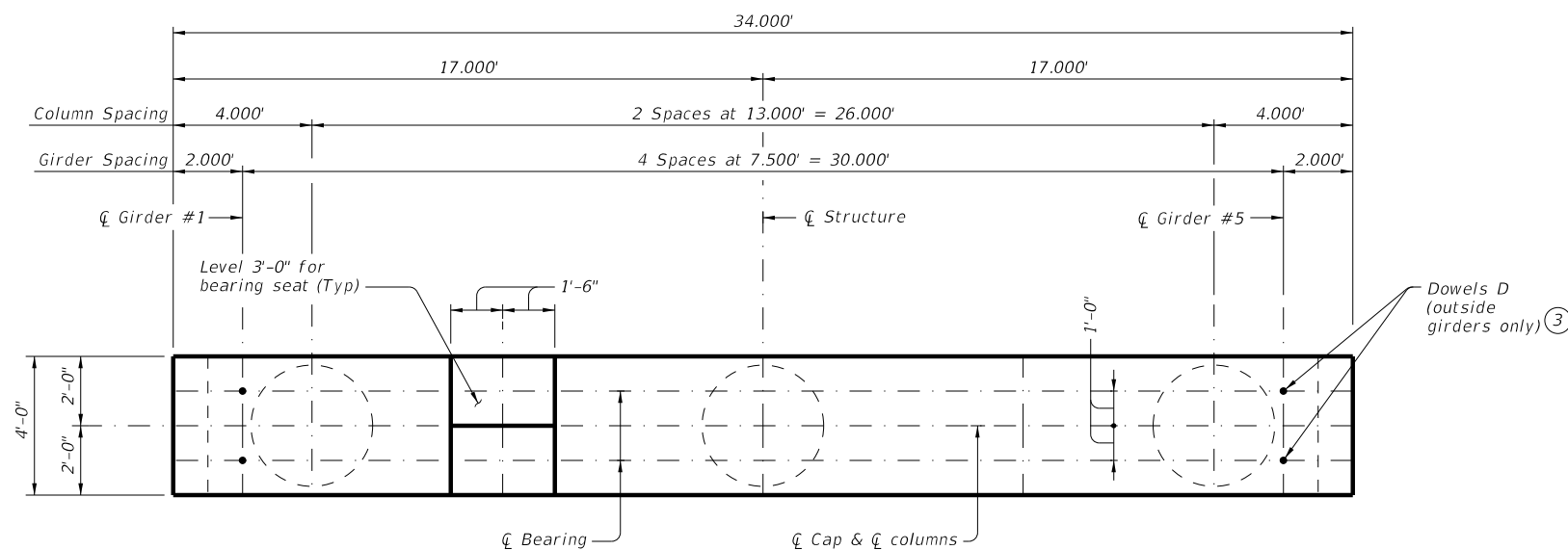
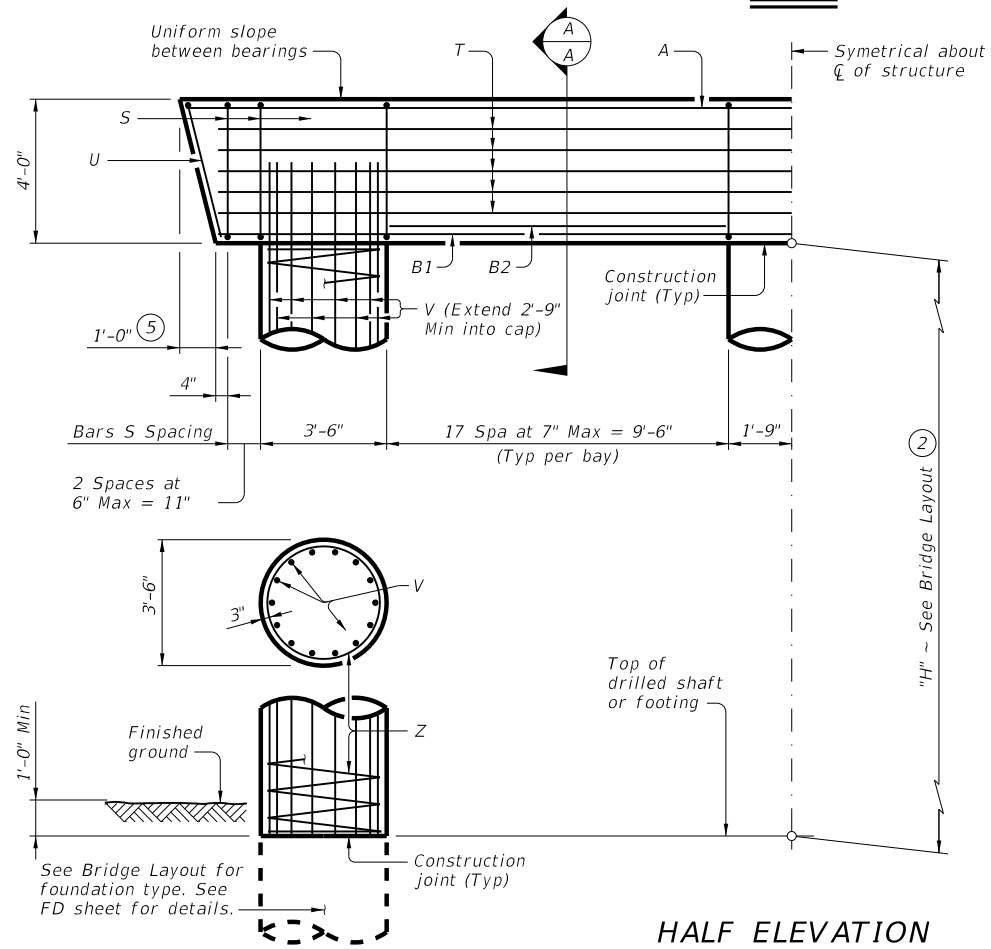


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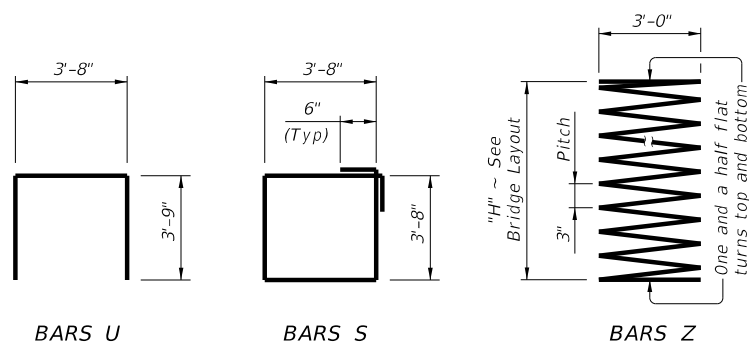
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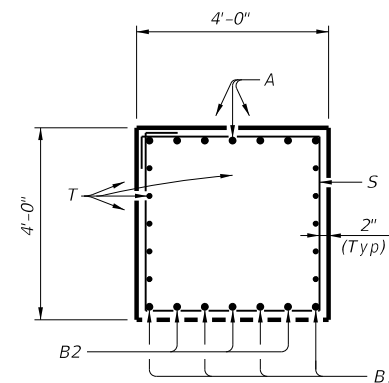
PLAN



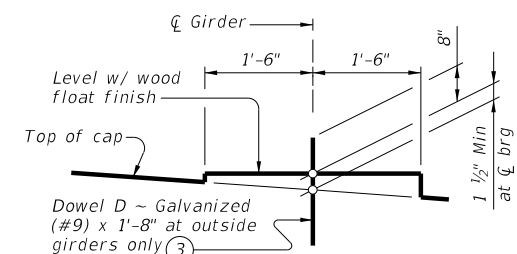
HALF ELEVATION



- ① 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
- ② 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.
- ③ Omit Dowels D at end of multi-span units. Adjust reinforcing steel total accordingly.
- ④ Foundation Loads based on "H" = 36'.
- ⑤ Measured parallel to top of cap cross-slope.



SECTION A-A



BEARING SEAT DETAIL

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

TABLE OF ESTIMATED QUANTITIES ①

Bar	No.	Size	Length	Weight	
A	7	#11	33'-6"	1,246	
B1	4	#11	27'-9"	590	
B2	4	#11	11'-6"	367	
D ③	6	#9	1'-8"	23	
S	42	#5	15'-8"	686	
T	10	#5	27'-9"	289	
U	2	#5	11'-2"	23	
V	42	#9	38'-9"	5,534	
Z	3	#4	1387'-3"	2,780	
Reinforcing Steel				Lb	11,538
Class "C" Concrete (Cap)				CY	19.8
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	174	47	38
65	184	49	40
70	194	52	42
75	203	54	44
80	213	56	46
85	223	59	48
90	232	61	50
95	242	64	52
100	251	66	53
105	261	68	55
110	271	71	57
115	280	73	59
120	290	76	61
125	299	78	63
130	309	80	65
135	318	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.
 These bent details may be used with standard SIG-62-34 only.

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

HL93 LOADING

Bridge Division Standard

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

BIG-62-34

FILE: IG-BIG623400-24.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
©TxDOT January 2023	CONT	SECT	JOB	HIGHWAY
REVISIONS				
05/2024: Updated FDN loads.	DIST	COUNTY	SHEET NO.	