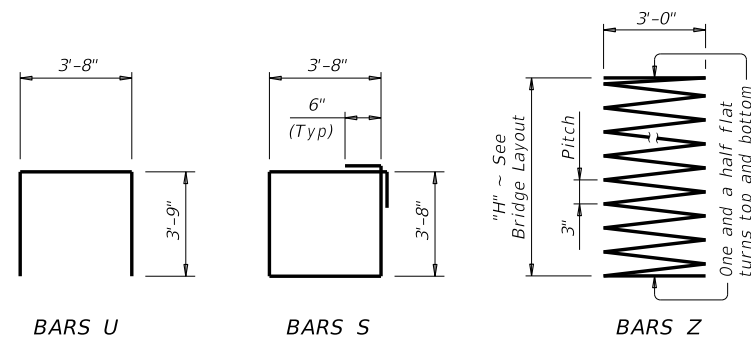
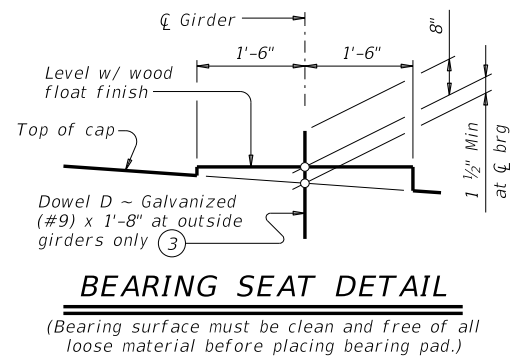
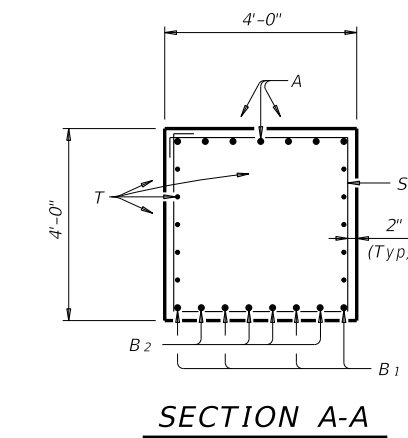
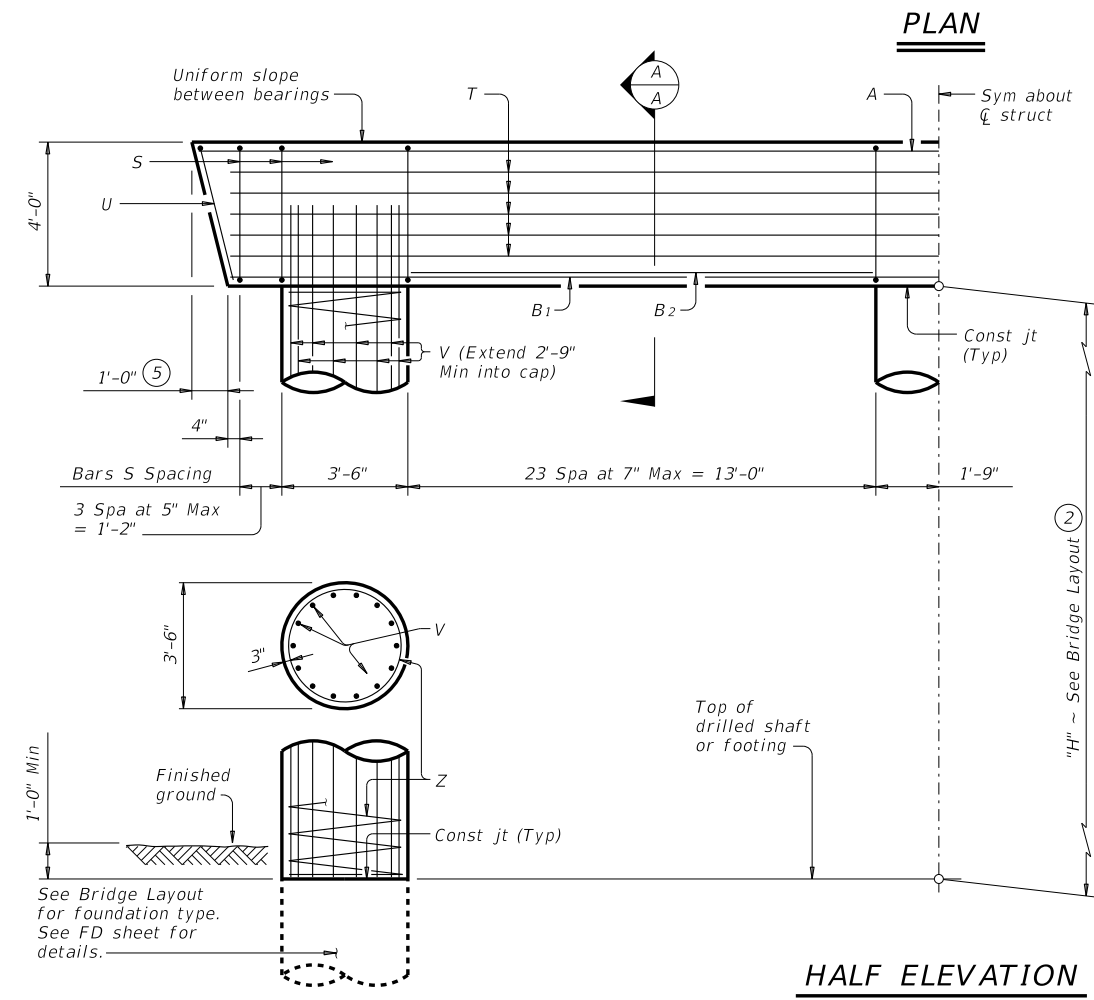
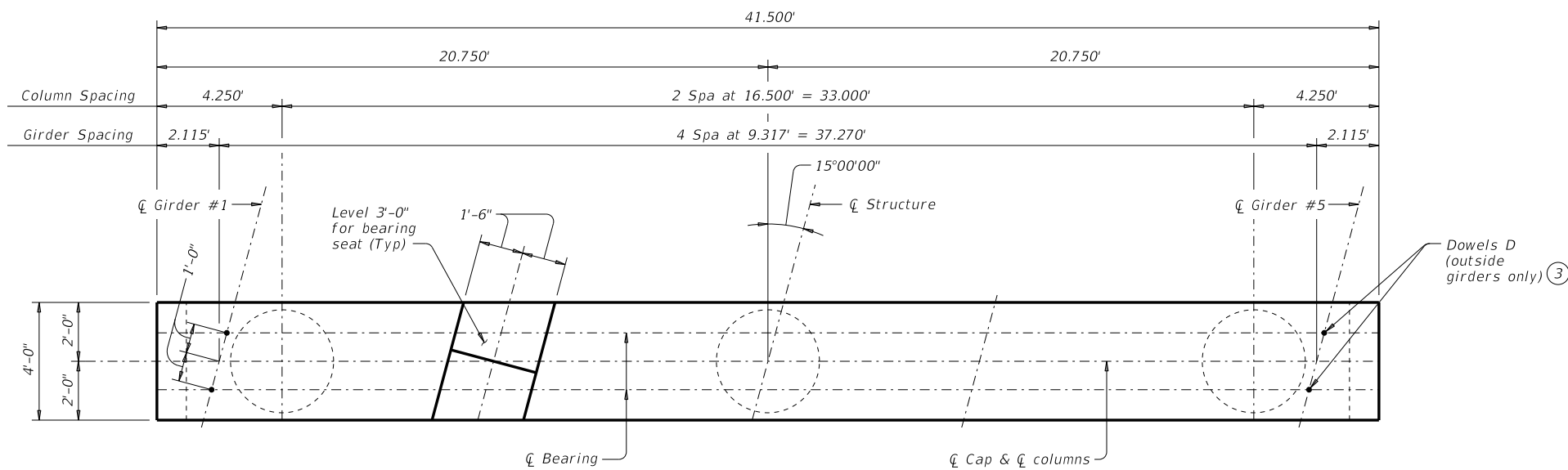


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DATE: FILE:



- 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	41'- 0"	1,525	
B 1	4	#11	39'- 3"	834	
B 2	8	#11	13'- 0"	553	
D (3)	4	#9	1'-8"	23	
S	56	#5	15'- 8"	915	
T	10	#5	39'- 3"	409	
U	2	#5	11'- 2"	23	
V	42	#9	38'- 9"	5,534	
Z	3	#4	1,387'- 3"	2,780	
Reinforcing Steel				Lb	12,596
Class "C" Concrete (Cap)				CY	24.3
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	193	51	42
65	204	54	44
70	214	57	46
75	225	59	48
80	235	62	50
85	246	65	52
90	257	67	55
95	267	70	57
100	278	73	59
105	288	75	61
110	298	78	63
115	309	80	65
120	319	83	67
125	330	86	69
130	340	88	71

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 Details (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-62-40-15 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 40' ROADWAY 15° SKEW BIG-62-40-15			
FILE: IG-BIG624015-17.dgn	DN: TAR	CK: SDB	DW: JTR
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REVISIONS	DIST		COUNTY
			SHEET NO.