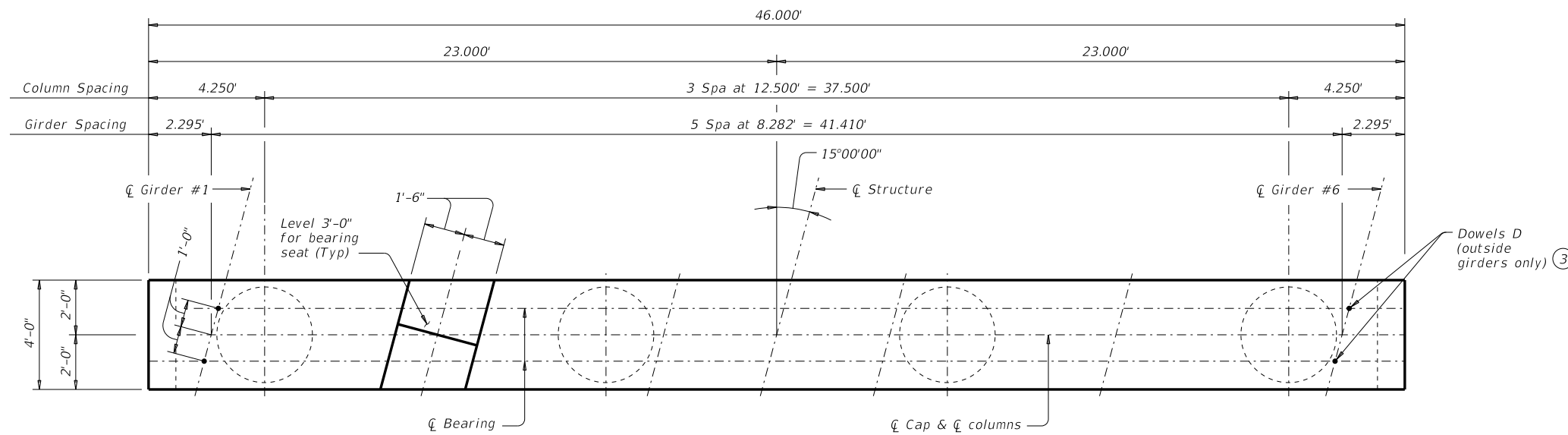
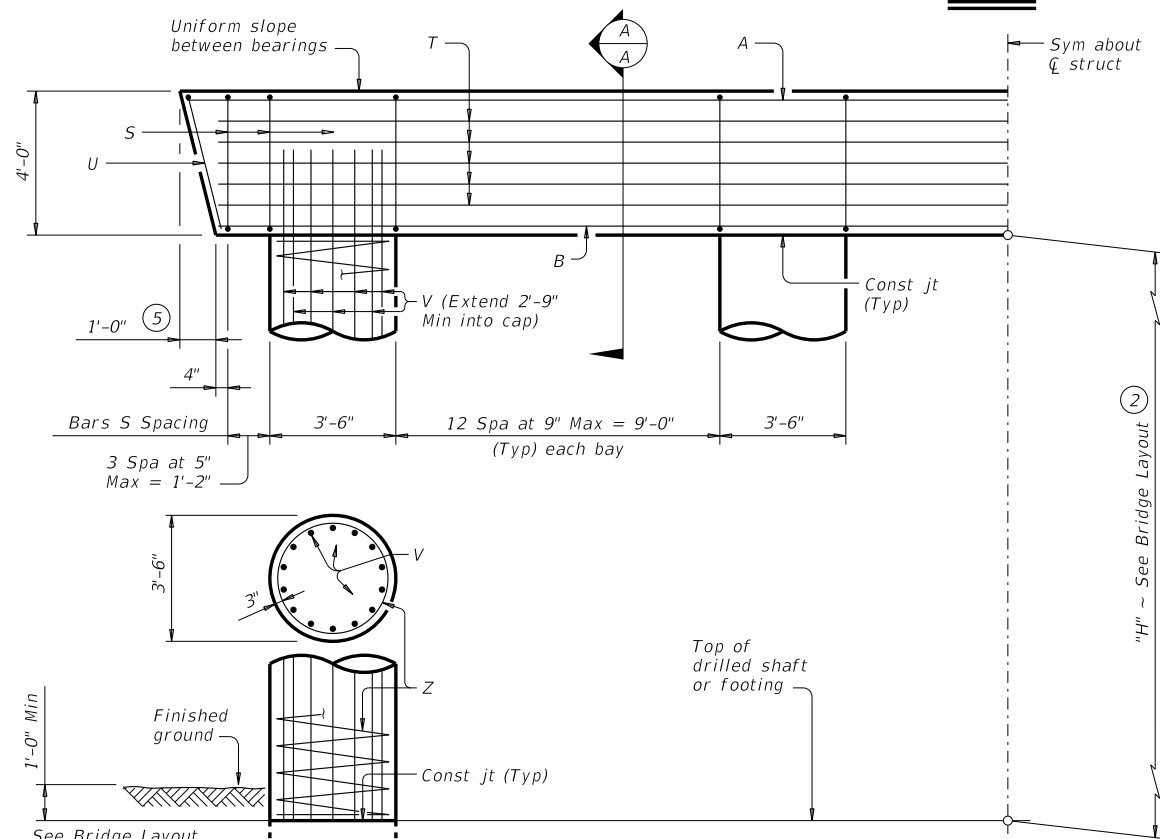


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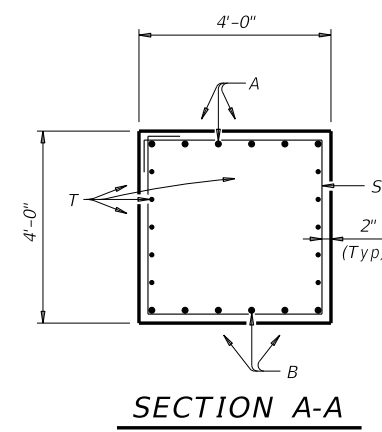
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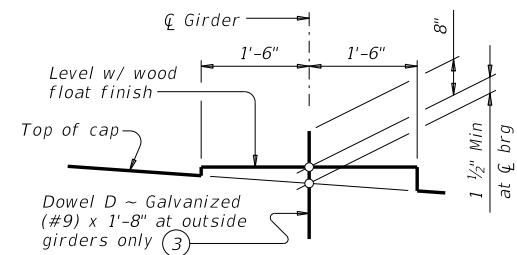
PLAN



HALF ELEVATION

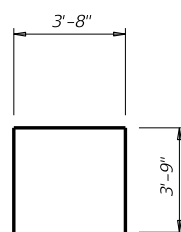


SECTION A-A

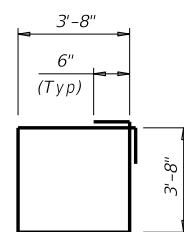


BEARING SEAT DETAIL

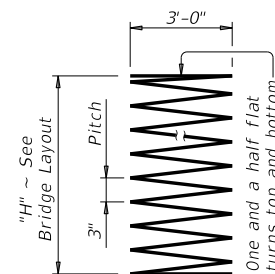
(Bearing surface must be clean and free of all loose material before placing bearing pad.)



BARS U



BARS S



BARS Z

- 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	45'- 6"	1,450	
B	6	#11	43'- 9"	1,395	
D ③	4	#9	1'- 8"	23	
S	47	#5	15'- 8"	768	
T	10	#5	43'- 9"	456	
U	2	#5	11'- 2"	23	
V	56	#9	38'- 9"	7,378	
Z	4	#4	1,387'- 3"	3,707	
Reinforcing Steel				Lb	15,200
Class "C" Concrete (Cap)				CY	27.0
Class "C" Concrete (Col)				CY	51.3

FOUNDATION LOADS ④

Span Average Ft	Drilled Shaft Loads Tons/Shaft	Pile Load (Tons/Pile)	
		4 Pile Ftg	5 Pile Ftg
60	164	44	36
65	173	46	38
70	181	48	39
75	190	51	41
80	199	53	43
85	208	55	45
90	217	57	47
95	226	60	48
100	234	62	50
105	243	64	52
110	252	66	54
115	261	68	55
120	269	70	57
125	278	73	59
130	287	75	61
135	296	77	62

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-62-44-15 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 44' ROADWAY 15° SKEW BIG-62-44-15			
FILE: IG-BIG624415-17.dgn	DN: TAR	CK: SDB	DW: JTR
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REVISIONS	COUNTY		SHEET NO.