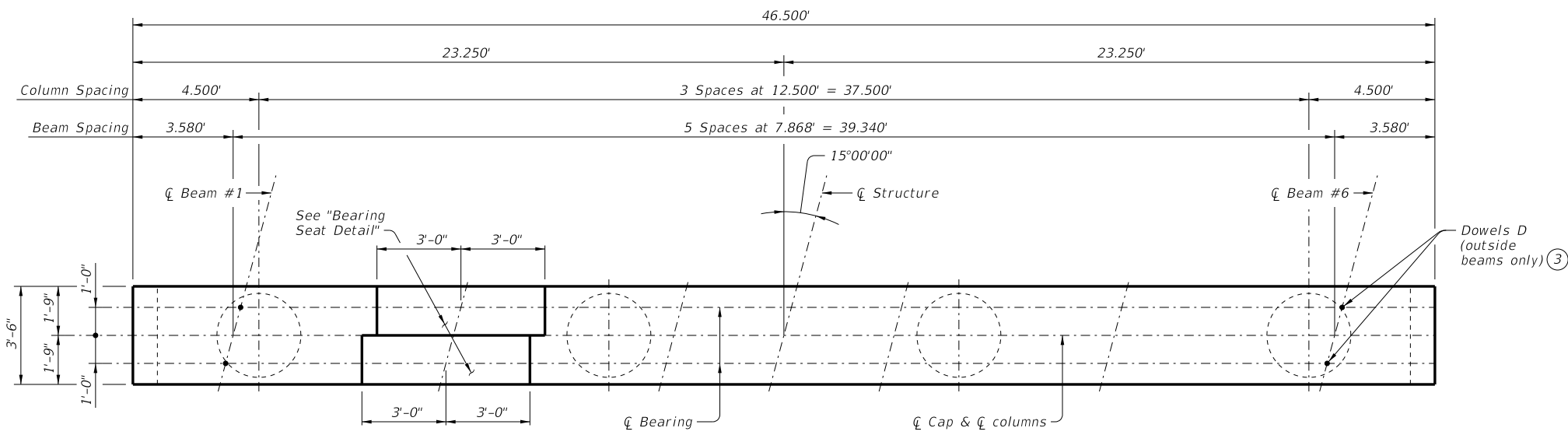
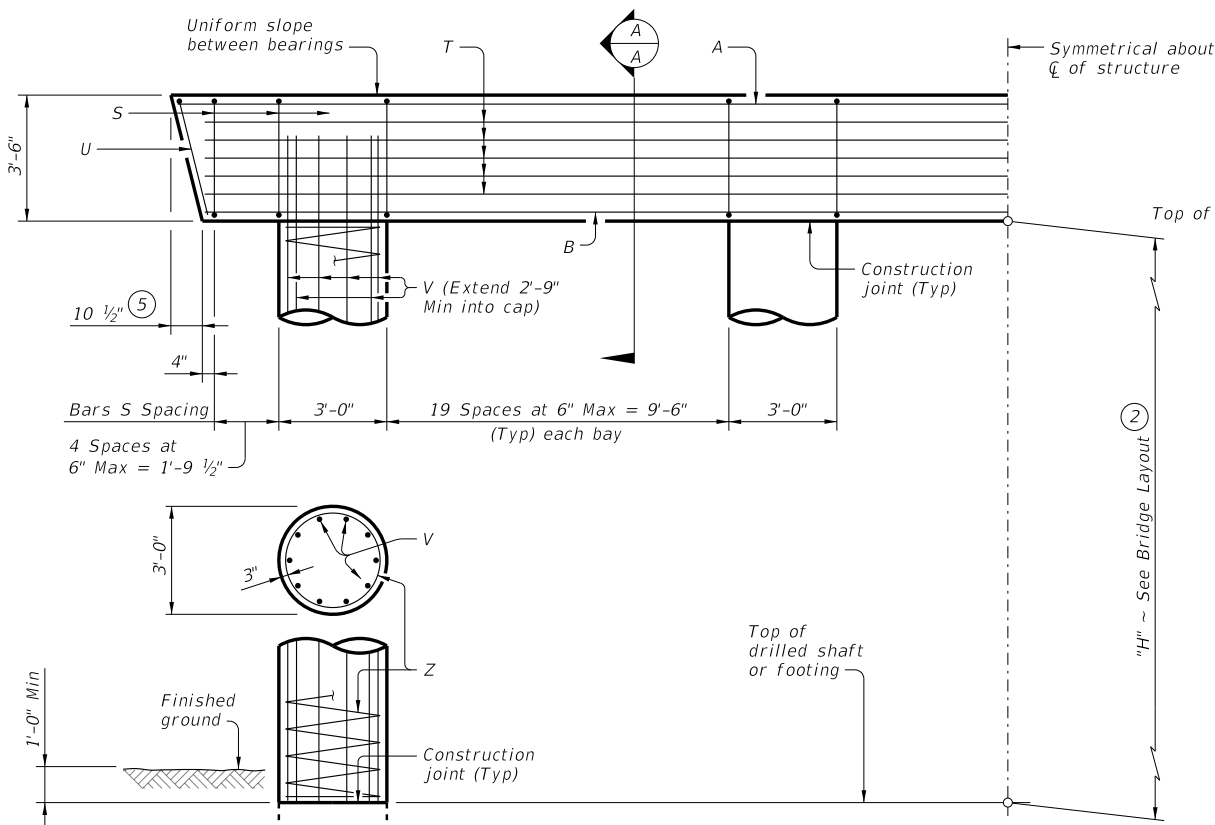


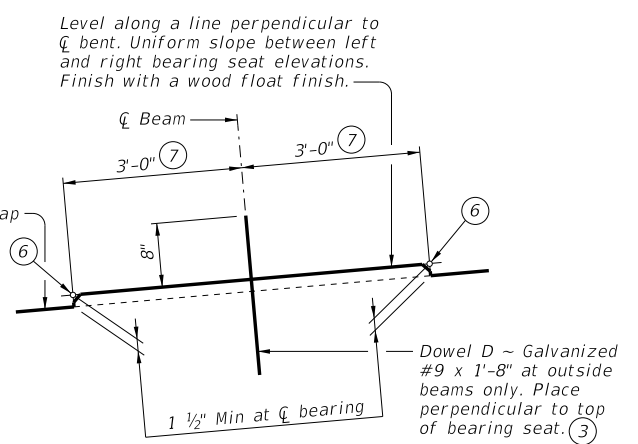
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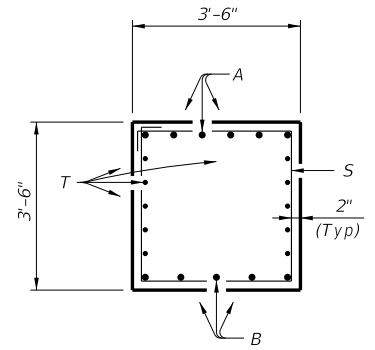
PLAN



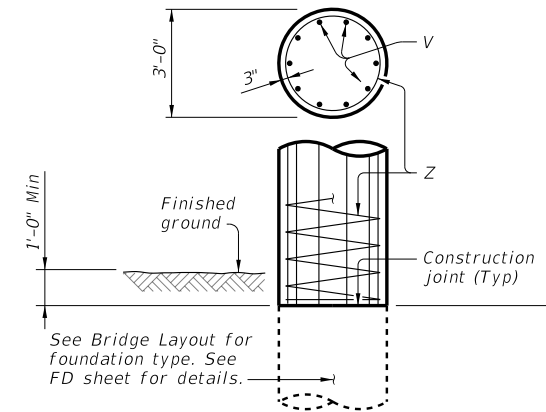
HALF ELEVATION



BEARING SEAT DETAIL



SECTION A-A



BARS U

BARS S

BARS Z

TABLE OF ESTIMATED QUANTITIES ⁽¹⁾					
Bar	No.	Size	Length	Weight	
A	6	#11	46'-0"	1,466	
B	5	#11	44'-6"	1,182	
D ⁽³⁾	4	#9	1'-8"	23	
S	70	#5	13'-8"	998	
T	10	#5	44'-6"	464	
U	2	#5	9'-8"	20	
V	40	#9	38'-9"	5,270	
Z	4	#4	1154'-7"	3,085	
Reinforcing Steel				Lb	12,508
Class "C" Concrete (Cap)				CY	21.3
Class "C" Concrete (Col)				CY	37.7

FOUNDATION LOADS⁽⁴⁾

Span Average Ft	Drilled Shaft Loads Tons/Shaft	Pile Load (Tons/Pile)		
		3 Pile Ftg	4 Pile Ftg	5 Pile Ftg
40	127	46	35	29
45	137	50	38	31
50	147	53	40	33
55	157	56	43	35
60	167	60	45	37
65	177	63	48	39
70	187	66	50	41
75	197	70	53	43
80	207	73	55	45
85	217	76	58	47
90	227	80	60	49
95	237	83	63	51
100	247	86	65	53
105	256	89	68	55
110	266	93	70	57

- 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 for all foundation details and notes.
 See Shear Key Details (XBSK) 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-foot increment.
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.
 These bent details may be used with standard SXB-44-15 only.

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

- (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, 31'-5"
 Reinforcing Steel, 220 lb
 Class C Concrete (Col), 1.05 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.
- (6) Right and left elevations and locations are provided elsewhere.
- (7) Measured along \bar{C} of bearing.

HL93 LOADING



**INTERIOR BENTS
 PRESTR CONC X-BEAMS
 (TYPE 5XB20 THROUGH 5XB40)
 44' ROADWAY 15° SKEW
 BXB-44-15**

FILE: XB-BXB4415-22.dgn	DN: BMP	CK: EFC	DW: JER	CK: BMP
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REVISIONS	DIST	COUNTY	SHEET NO.	

DATE:
FILE: