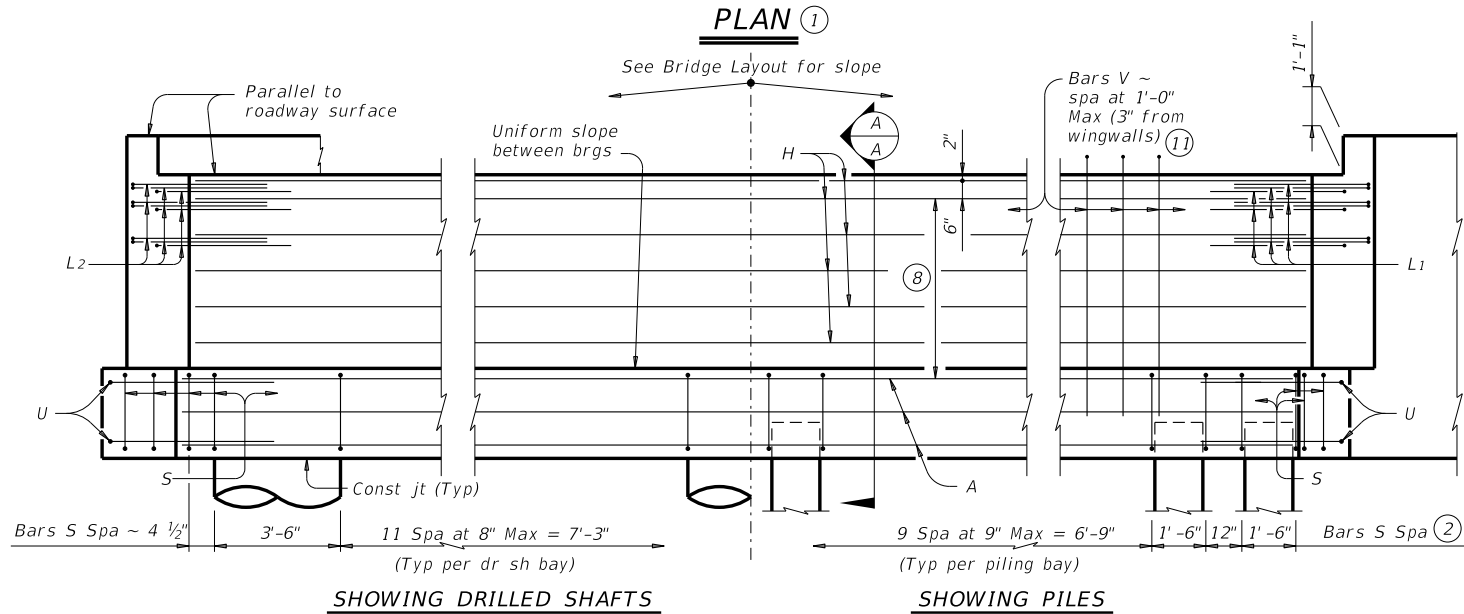
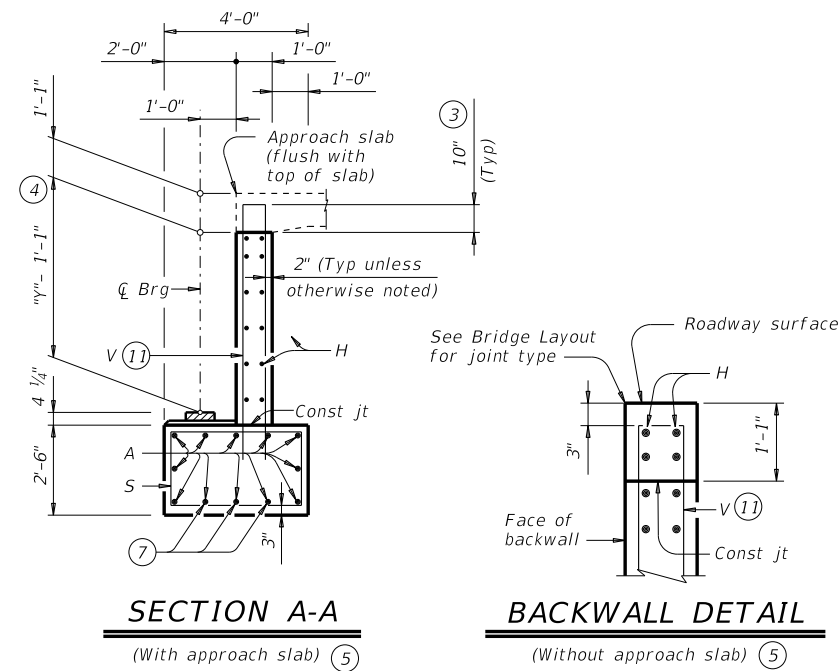
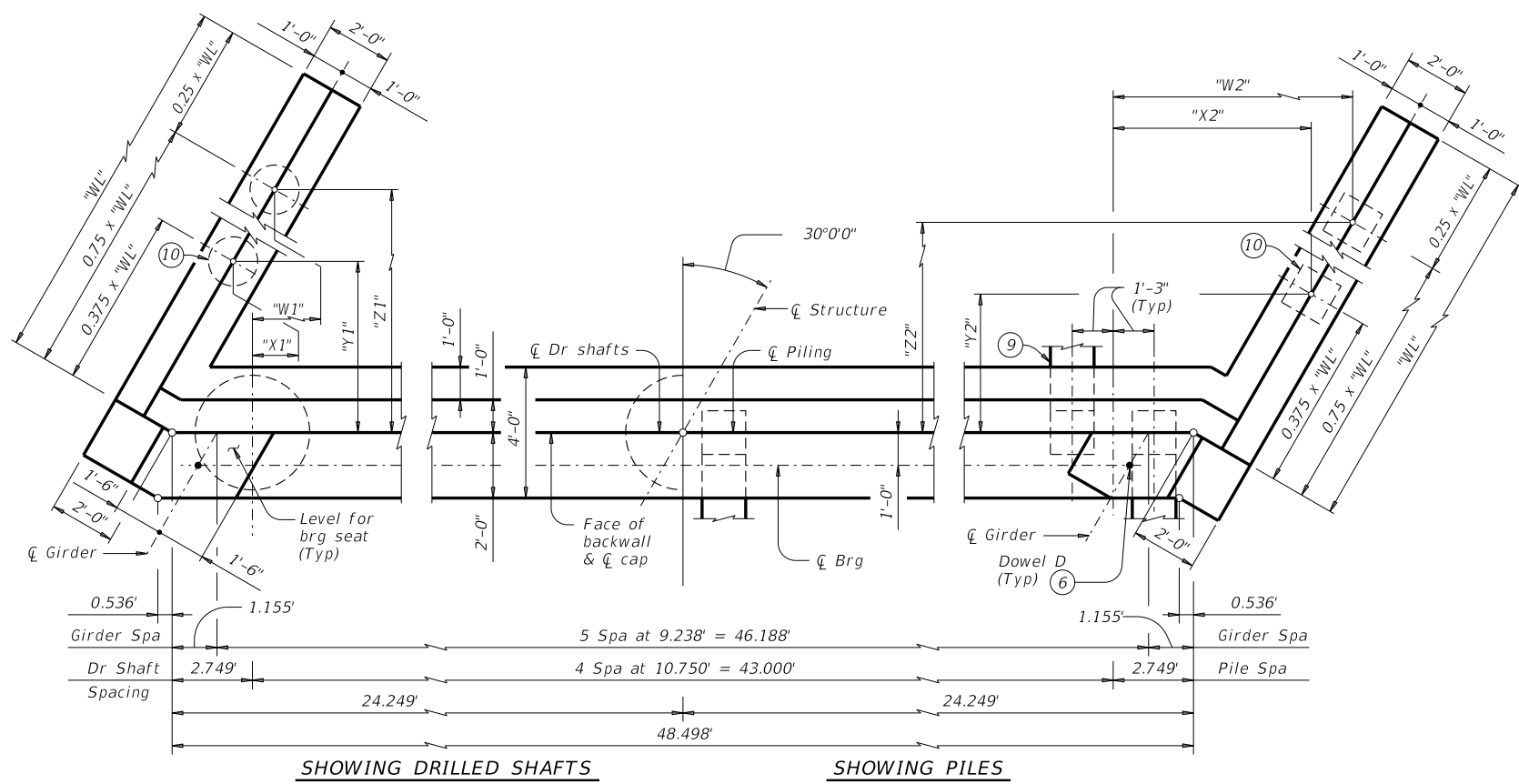


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**TABLE OF FOUNDATION LOADS**

Span Length Ft	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	75	66
65	78	68
70	82	70
75	86	72
80	89	74
85	93	76
90	96	77
95	100	79
100	104	81
105	107	83
110	111	85
115	114	87
120	118	88
125	121	90
130	125	92
135	128	94

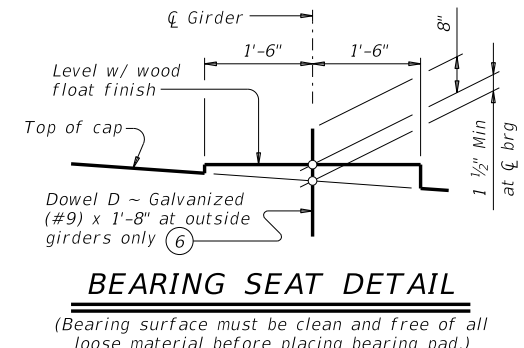


- ① See Table A for variable dimensions based on header slope.
- ② For piling larger than 16" adjust Bars S spacing as required to avoid piling.
- ③ Increase as required to maintain 3" from finished grade.
- ④ See Span details for "Y" value.
- ⑤ See Bridge Layout to determine if approach slab is present.
- ⑥ Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.
- ⑦ With pile foundations, move Bars A shown to clear piles.
- ⑧ 5 Spaces at 1'-0" Max.
- ⑨ See Detail A on FD standard.
- ⑩ See Table A to determine if this wingwall foundation is required.
- ⑪ Field bend as needed to clear piles.

**GENERAL NOTES:**  
 Designed according to AASHTO LRFD Bridge Design Specifications.  
 See Bridge Layout for header slope and foundation type, size and length.  
 See Common Foundation Details (FD) standard sheet for all foundation details and notes.  
 See Concrete Riprap (CRR) standard sheet or Stone Riprap (SRR) standard sheet for riprap attachment details, if applicable.  
 See applicable rail details for rail anchorage in wingwalls.  
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.  
 These abutment details may be used with standard SIG-62-44-30 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.



**TABLE A**

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	17.000'	2.760'	Not Applicable		11.542'	9.990'	Not Applicable		10.542'
3:1	Tx62	Founded	24.000'	5.385'	0.885'	8.294'	16.088'	12.615'	8.115'	7.294'	15.088'

HL93 LOADING SHEET 1 OF 2

**Texas Department of Transportation** Bridge Division Standard

**ABUTMENTS**  
 TYPE TX62  
 PRESTR CONC I-GIRDERS  
 44' ROADWAY 30° SKEW

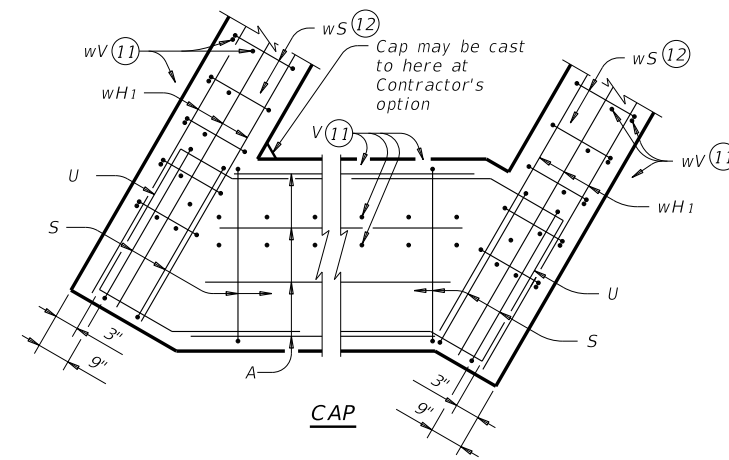
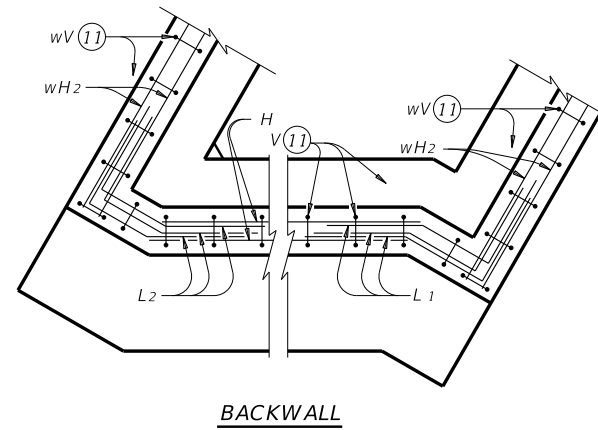
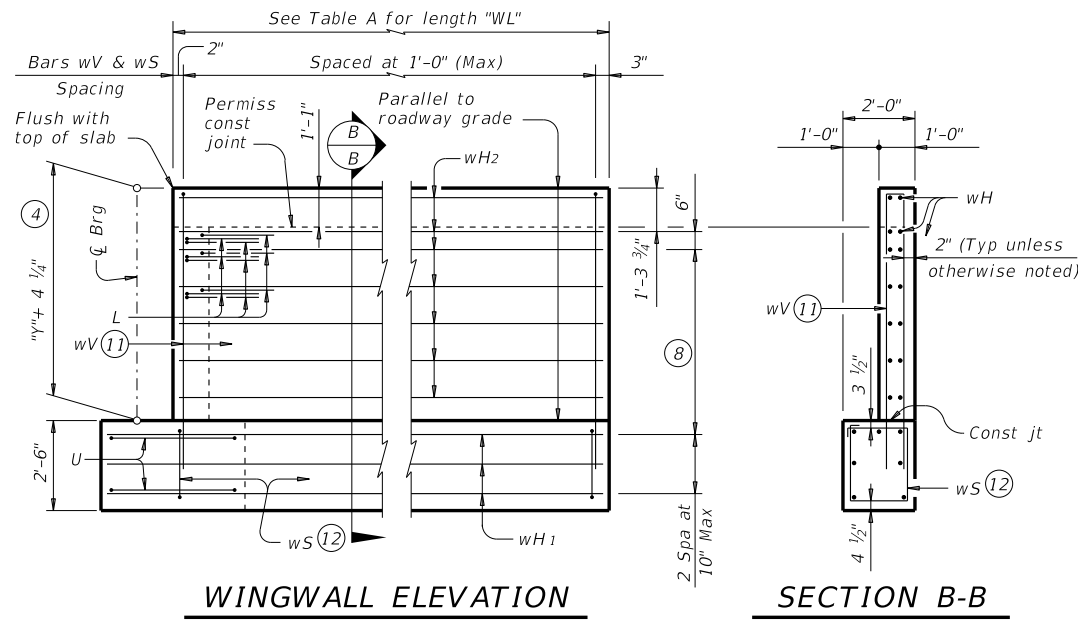
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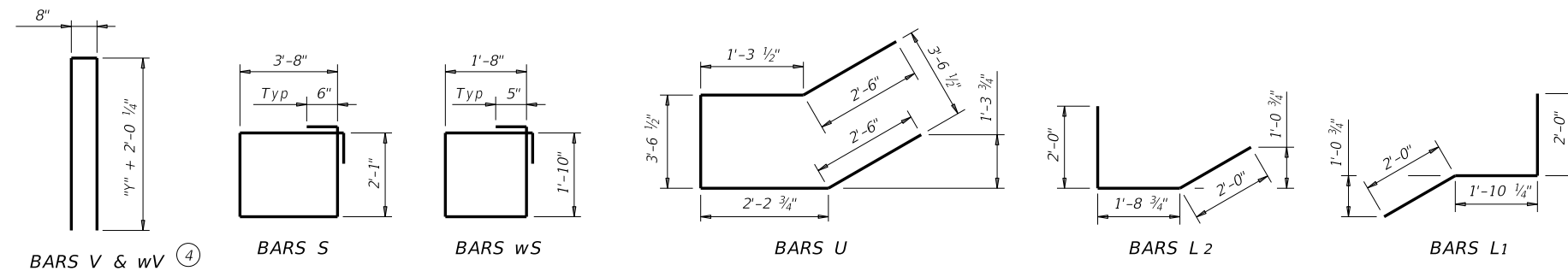
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**CORNER DETAILS**



- ④ See Span details for "y" value.
- ⑥ Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.
- ⑧ 5 Spaces at 1'-0" Max.
- ⑪ Field bend as needed to clear piles.
- ⑫ Adjust as required to avoid piling.
- ⑬ Quantities shown are for one abutment only (with approach slab). With no approach slab, add 2.0 CY Class "C" concrete and 291 lbs reinforcing steel for 4 additional Bars H.

**TABLE OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE**

TYPE Tx62 Girders					
Bar	No.	Size	Length	Weight	
A	12	#11	48'-6"	3,092	
D⑥	2	#9	1'-8"	11	
H	12	#6	48'-6"	874	
L1	9	#6	5'-11"	80	
L2	9	#6	5'-9"	78	
S	56	#5	12'-6"	730	
U	4	#6	12'-1"	73	
V	51	#5	17'-0"	904	
wH1	14	#6	18'-8"	393	
wH2	28	#6	16'-8"	701	
wS	36	#4	7'-10"	188	
wV	36	#5	17'-0"	638	
Reinforcing Steel				Lb	7,762
Class "C" Concrete				CY	43.4

**TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE**

TYPE Tx62 Girders					
Bar	No.	Size	Length	Weight	
A	12	#11	48'-6"	3,092	
D⑥	2	#9	1'-8"	11	
H	12	#6	48'-6"	874	
L1	9	#6	5'-11"	80	
L2	9	#6	5'-9"	78	
S	56	#5	12'-6"	730	
U	4	#6	12'-1"	73	
V	51	#5	17'-0"	904	
wH1	14	#6	25'-8"	540	
wH2	28	#6	23'-8"	995	
wS	50	#4	7'-10"	262	
wV	50	#5	17'-0"	887	
Reinforcing Steel				Lb	8,526
Class "C" Concrete				CY	49.4

Texas Department of Transportation

Bridge Division Standard

**ABUTMENTS**  
**TYPE TX62**  
**PRESTR CONC I-GIRDERS**  
**44' ROADWAY 30° SKEW**

**AIG-62-44-30**

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