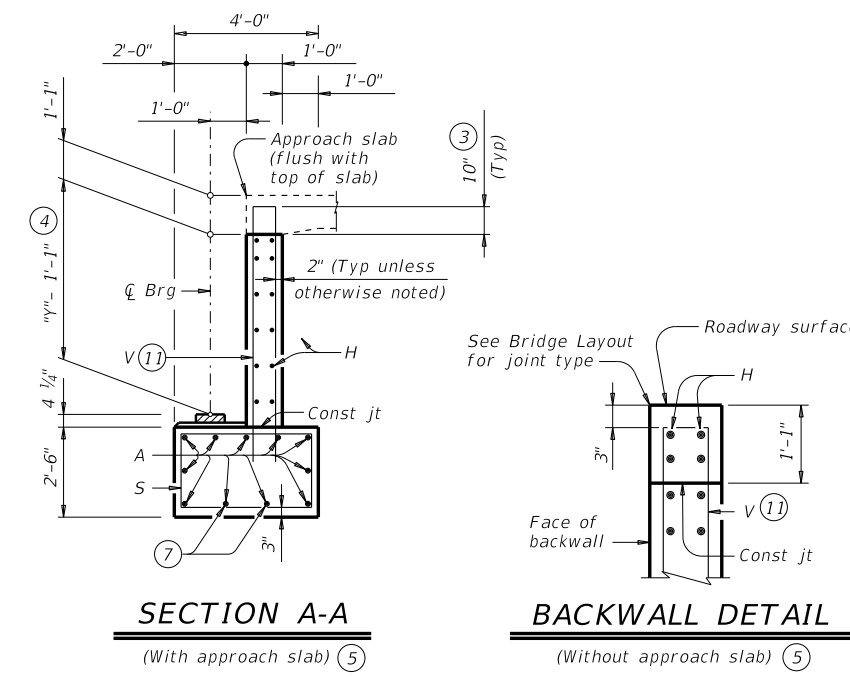
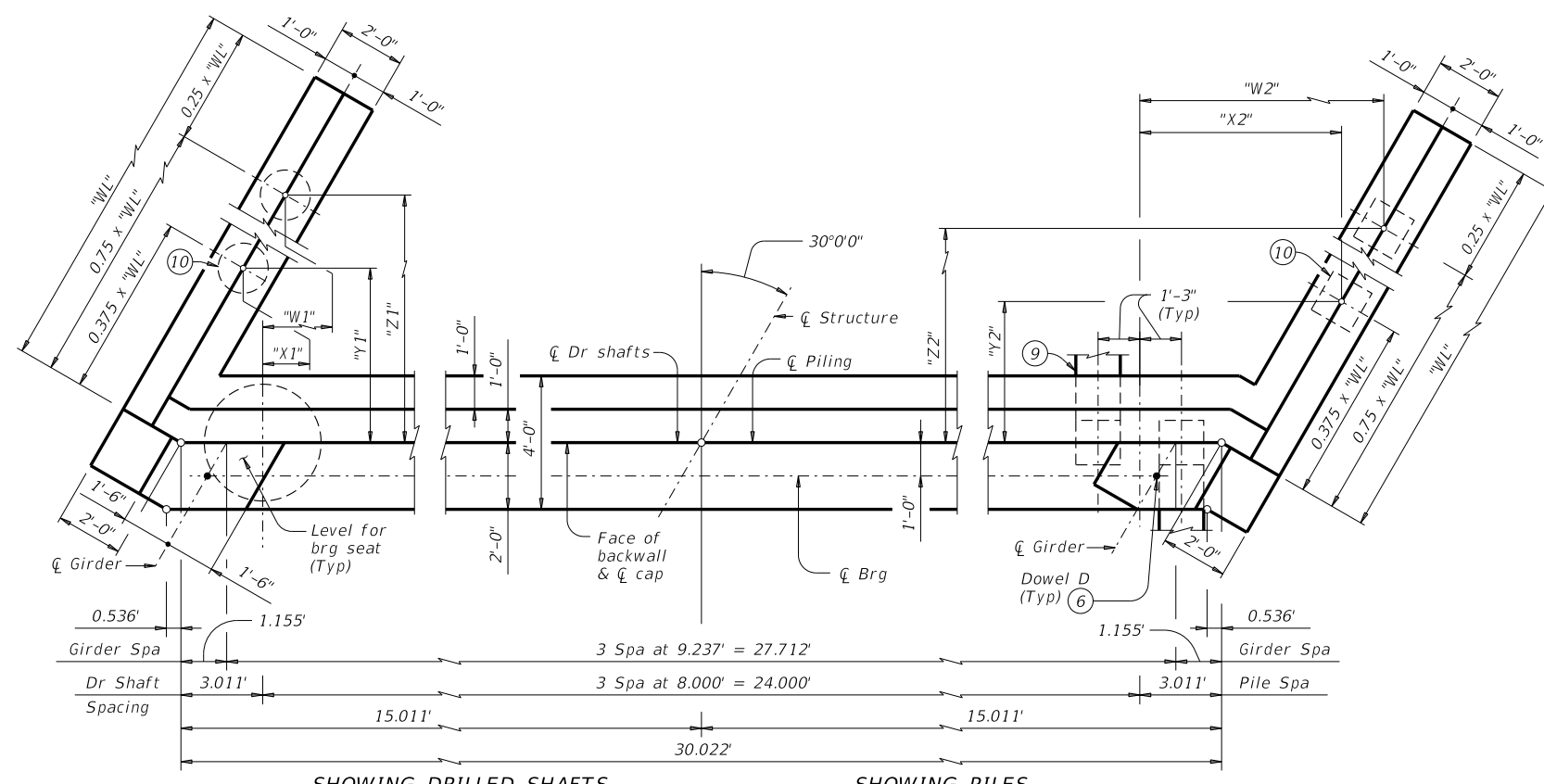


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DATE: FILE:

TABLE OF FOUNDATION LOADS

Span Length Ft	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	67	55
65	71	57
70	74	59
75	77	60
80	80	62
85	83	64
90	86	65
95	90	67
100	93	68
105	96	70
110	99	72
115	102	73
120	105	75
125	108	76
130	111	78
135	114	79



- 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-62-28-30 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.

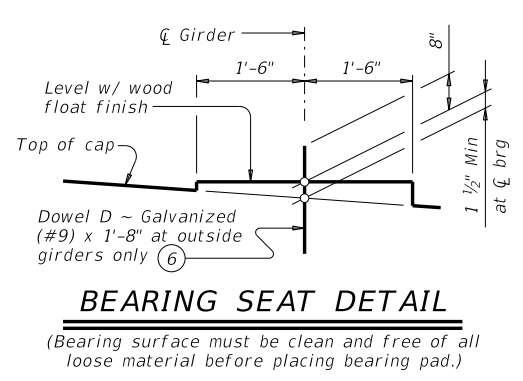
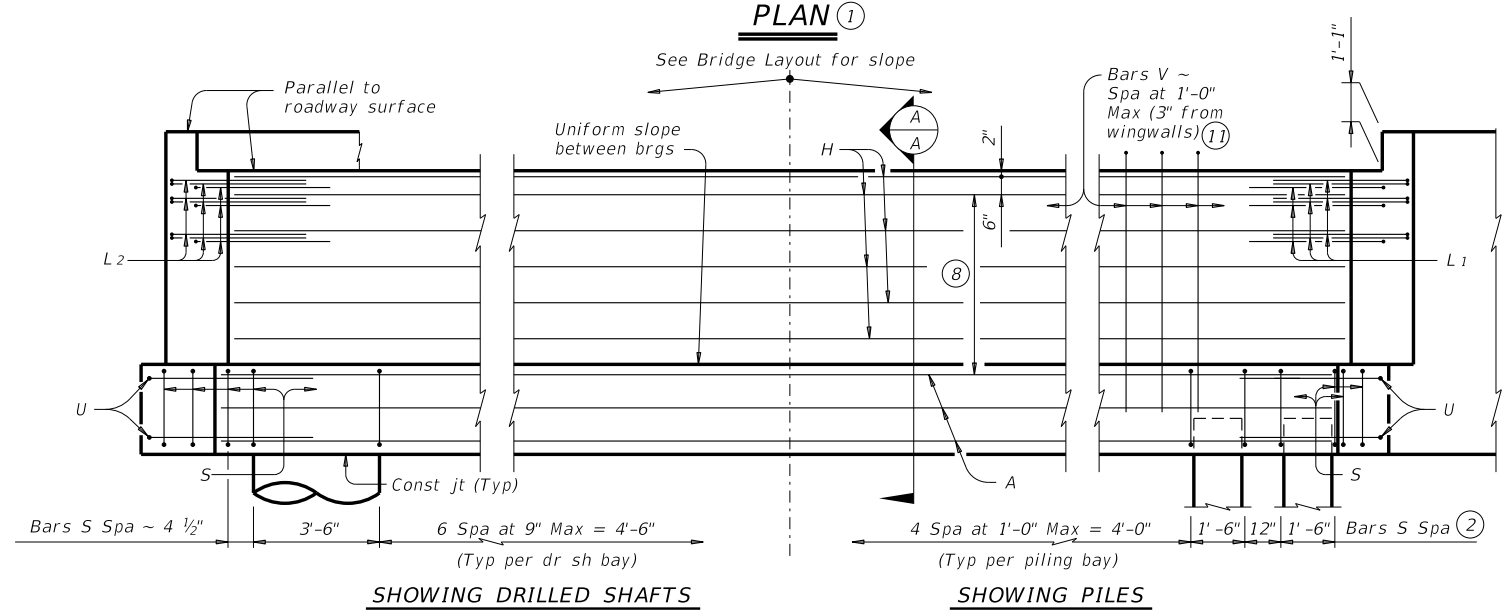


TABLE A

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	17.000'	2.498'	Not Applicable		11.542'	10.252'	Not Applicable		10.542'
3:1	Tx62	Founded	24.000'	5.123'	0.623'	8.294'	16.088'	12.877'	8.377'	7.294'	15.088'

HL93 LOADING SHEET 1 OF 2

Texas Department of Transportation Bridge Division Standard

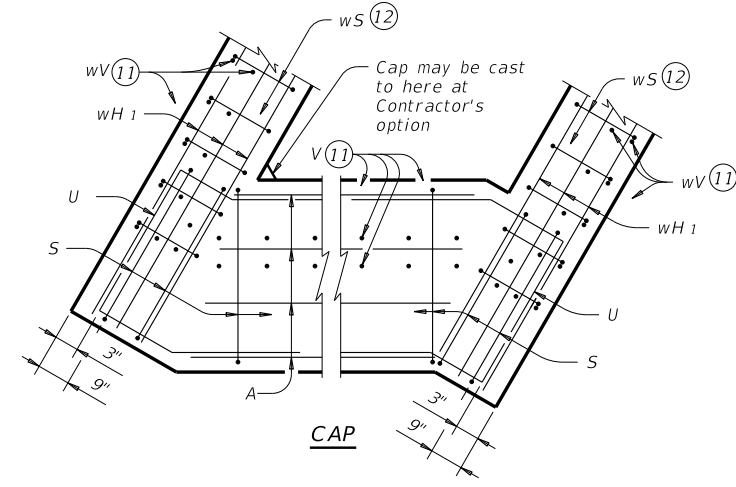
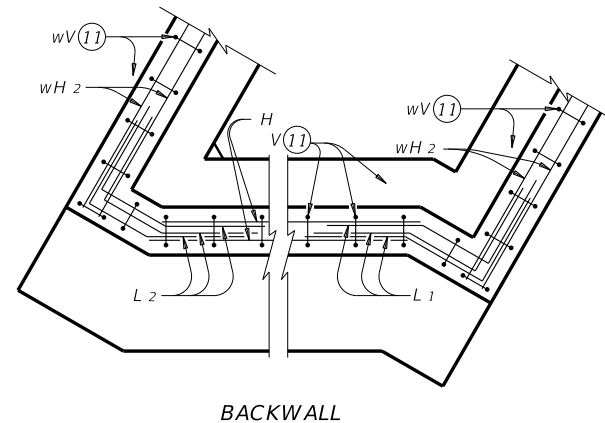
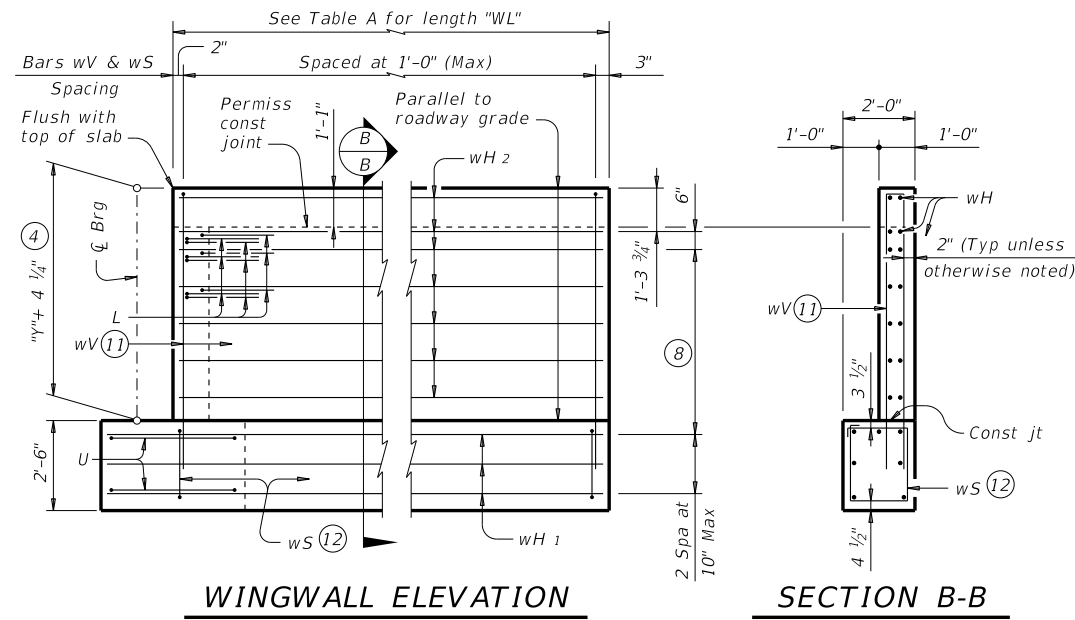
ABUTMENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 28' ROADWAY 30° SKEW

AIG-62-28-30

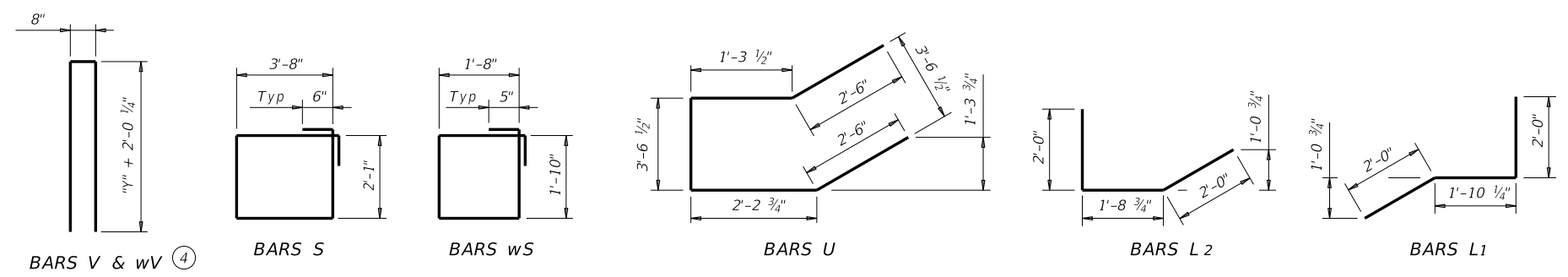
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©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.

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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 1.3 CY Class "C" concrete and 180 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	11	#11	30'-0"	1,753
D ⑥	2	#9	1'-8"	11
H	12	#6	30'-0"	541
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	29	#5	12'-6"	378
U	4	#6	12'-1"	73
V	33	#5	17'-0"	585
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	5,419
Class "C" Concrete			CY	32.8

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	11	#11	30'-0"	1,753
D ⑥	2	#9	1'-8"	11
H	12	#6	30'-0"	541
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	29	#5	12'-6"	378
U	4	#6	12'-1"	73
V	33	#5	17'-0"	585
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	6,183
Class "C" Concrete			CY	38.8

Texas Department of Transportation Bridge Division Standard

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

AIG-62-28-30

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REVISIONS	DIST	COUNTY	SHEET NO.	