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DATE: FILE:

TABLE OF FOUNDATION LOADS

Span Length Ft	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	69	59
65	72	61
70	76	62
75	79	64
80	82	66
85	85	67
90	89	69
95	92	71
100	95	72
105	98	74
110	101	75
115	104	77
120	108	79
125	111	80
130	114	82
135	117	83

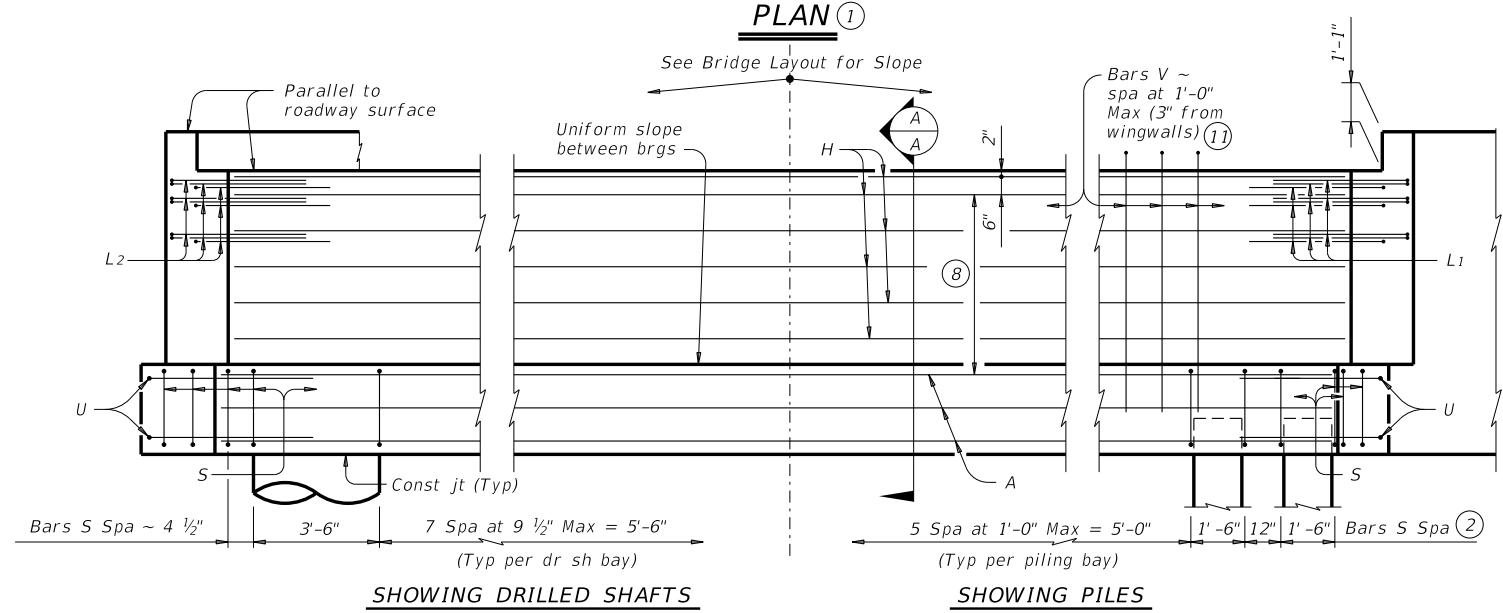
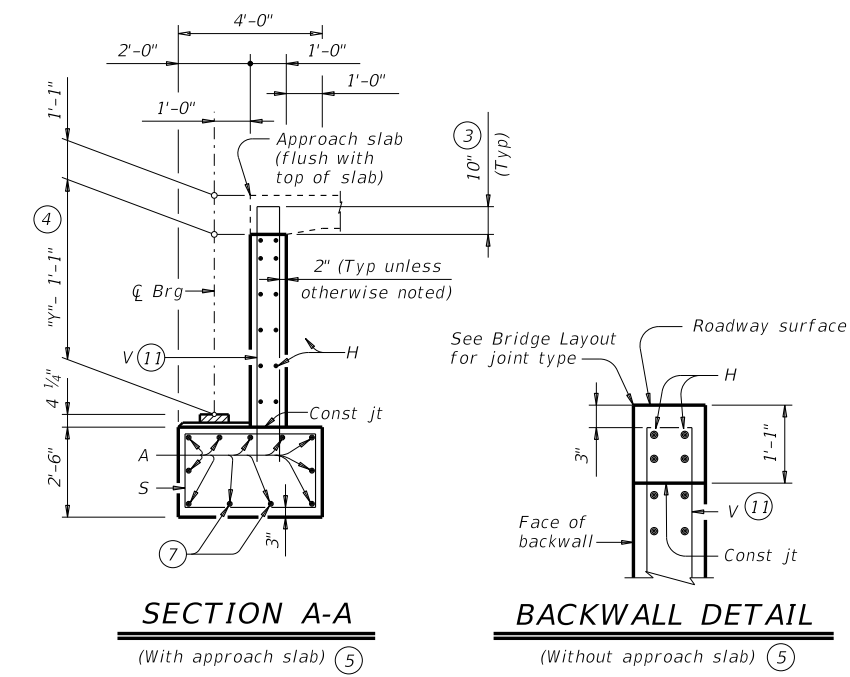
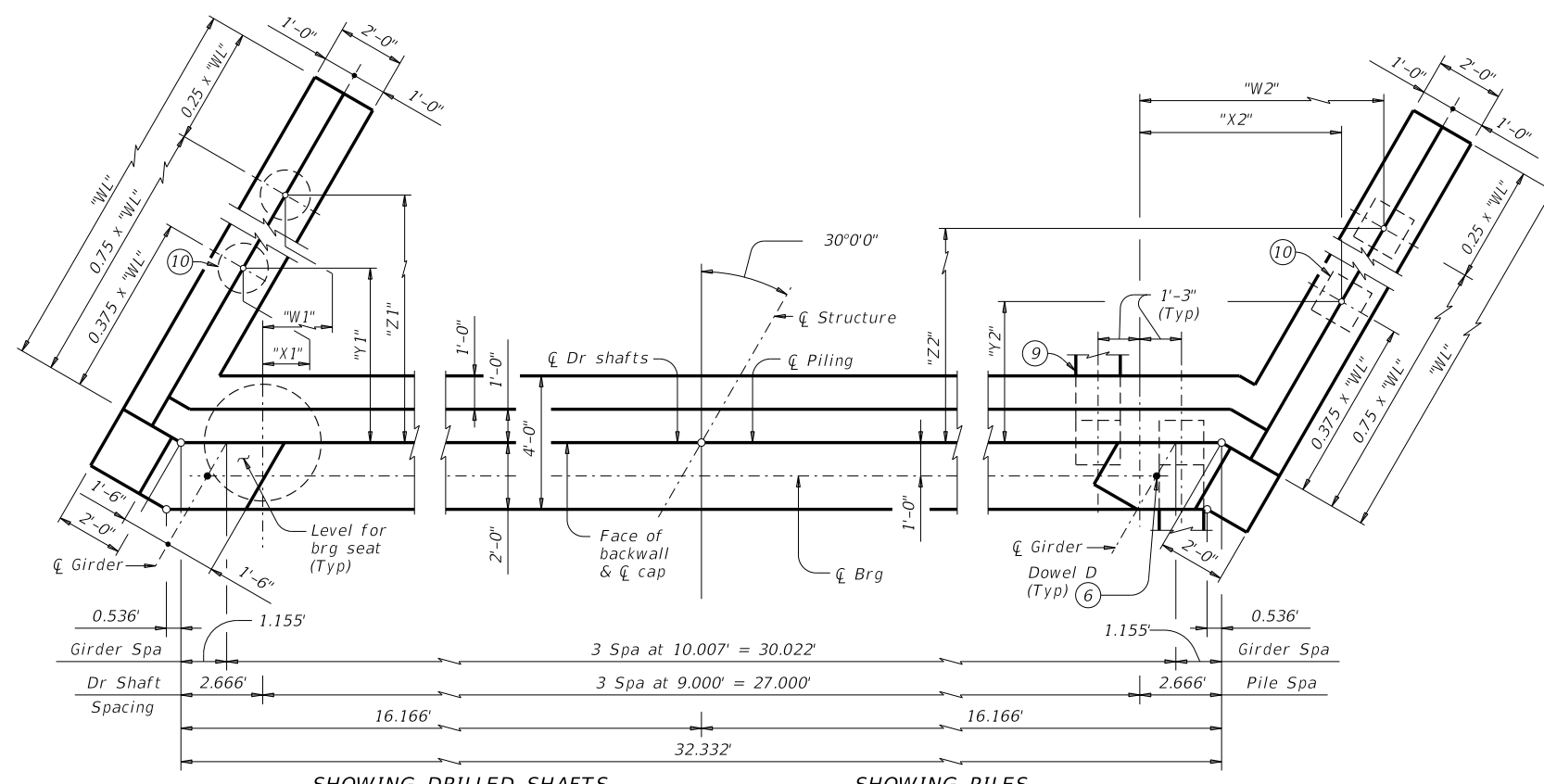
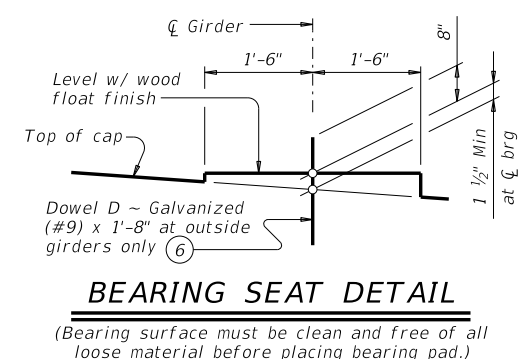


TABLE A

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	17.000'	2.843'	Not Applicable		11.542'	9.907'	Not Applicable		10.542'
3:1	Tx62	Founded	24.000'	5.468'	0.968'	8.294'	16.088'	12.532'	8.032'	7.294'	15.088'



- 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-62-30-30 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.

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Texas Department of Transportation Bridge Division Standard

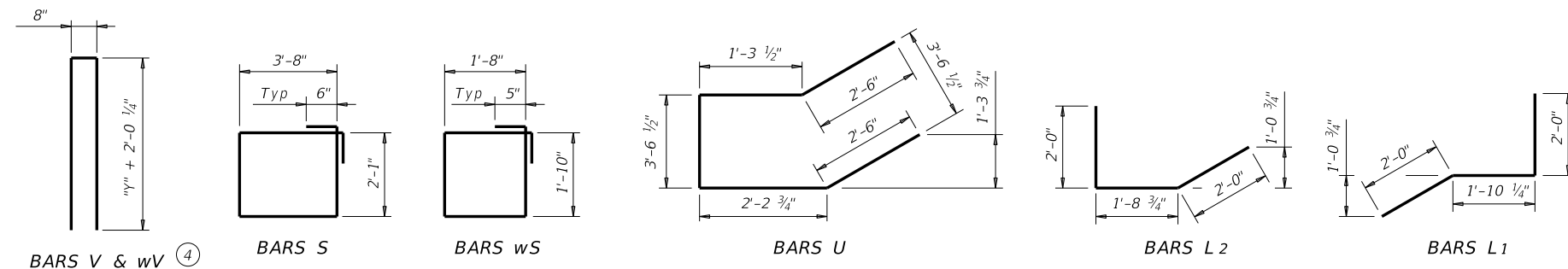
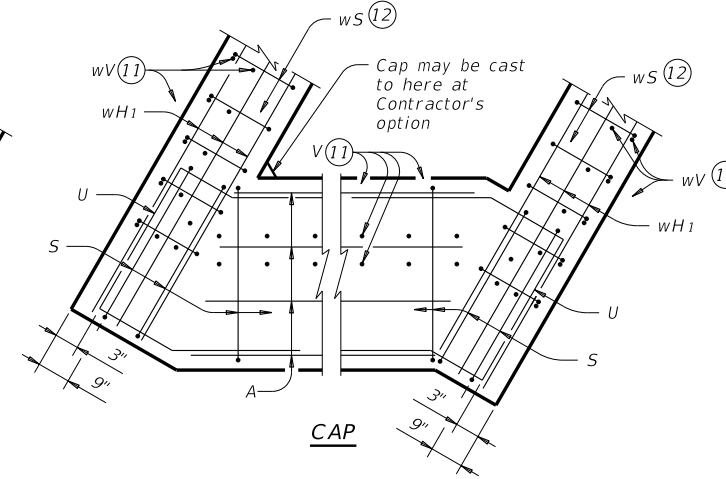
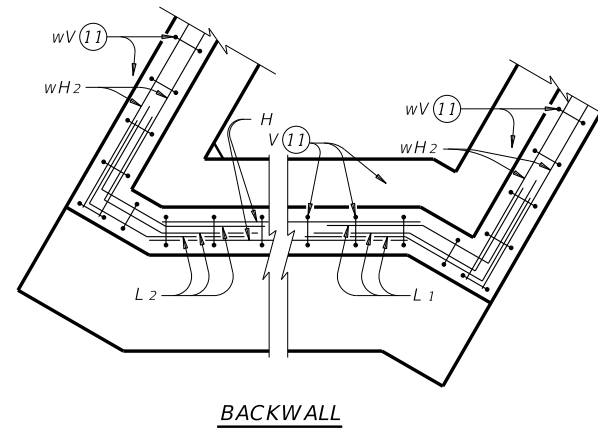
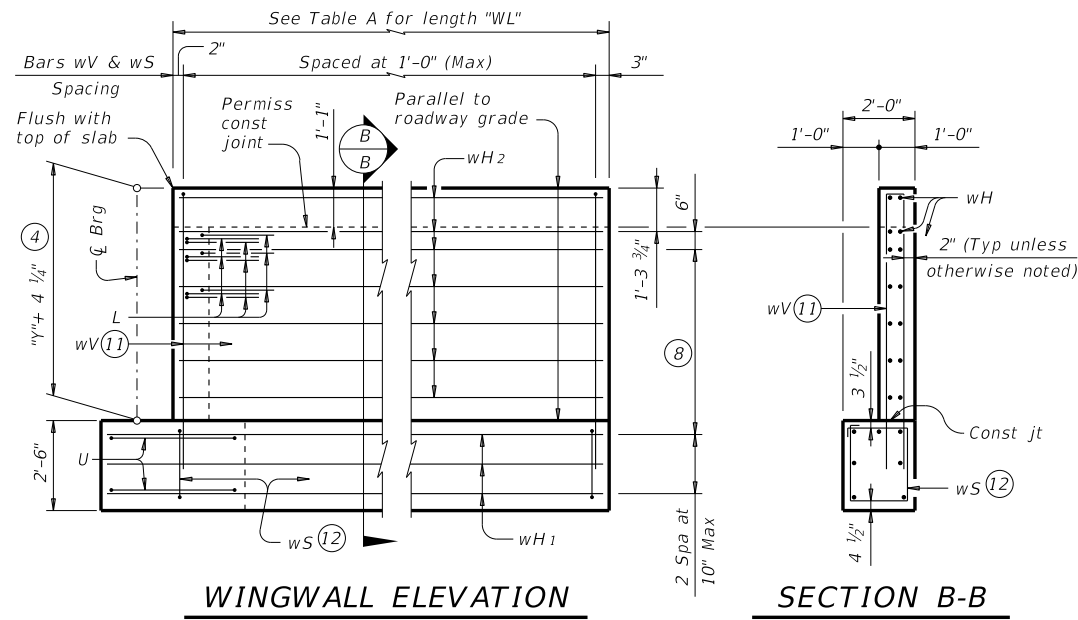
ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
30' ROADWAY 30° SKEW

AIG-62-30-30

FILE: IG-AIG623030-17.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
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REVISIONS				
DIST	COUNTY			SHEET NO.

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- 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 1.4 CY Class "C" concrete and 194 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	32'-4"	1,890	
D⑥	2	#9	1'-8"	11	
H	12	#6	32'-4"	583	
L1	9	#6	5'-11"	80	
L2	9	#6	5'-9"	78	
S	32	#5	12'-6"	417	
U	4	#6	12'-1"	73	
V	35	#5	17'-0"	621	
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	5,673
Class "C" Concrete				CY	34.2

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders					
Bar	No.	Size	Length	Weight	
A	11	#11	32'-4"	1,890	
D⑥	2	#9	1'-8"	11	
H	12	#6	32'-4"	583	
L1	9	#6	5'-11"	80	
L2	9	#6	5'-9"	78	
S	32	#5	12'-6"	417	
U	4	#6	12'-1"	73	
V	35	#5	17'-0"	621	
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	6,437
Class "C" Concrete				CY	40.1

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SHEET 2 OF 2



ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
30' ROADWAY 30° SKEW
AIG-62-30-30

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