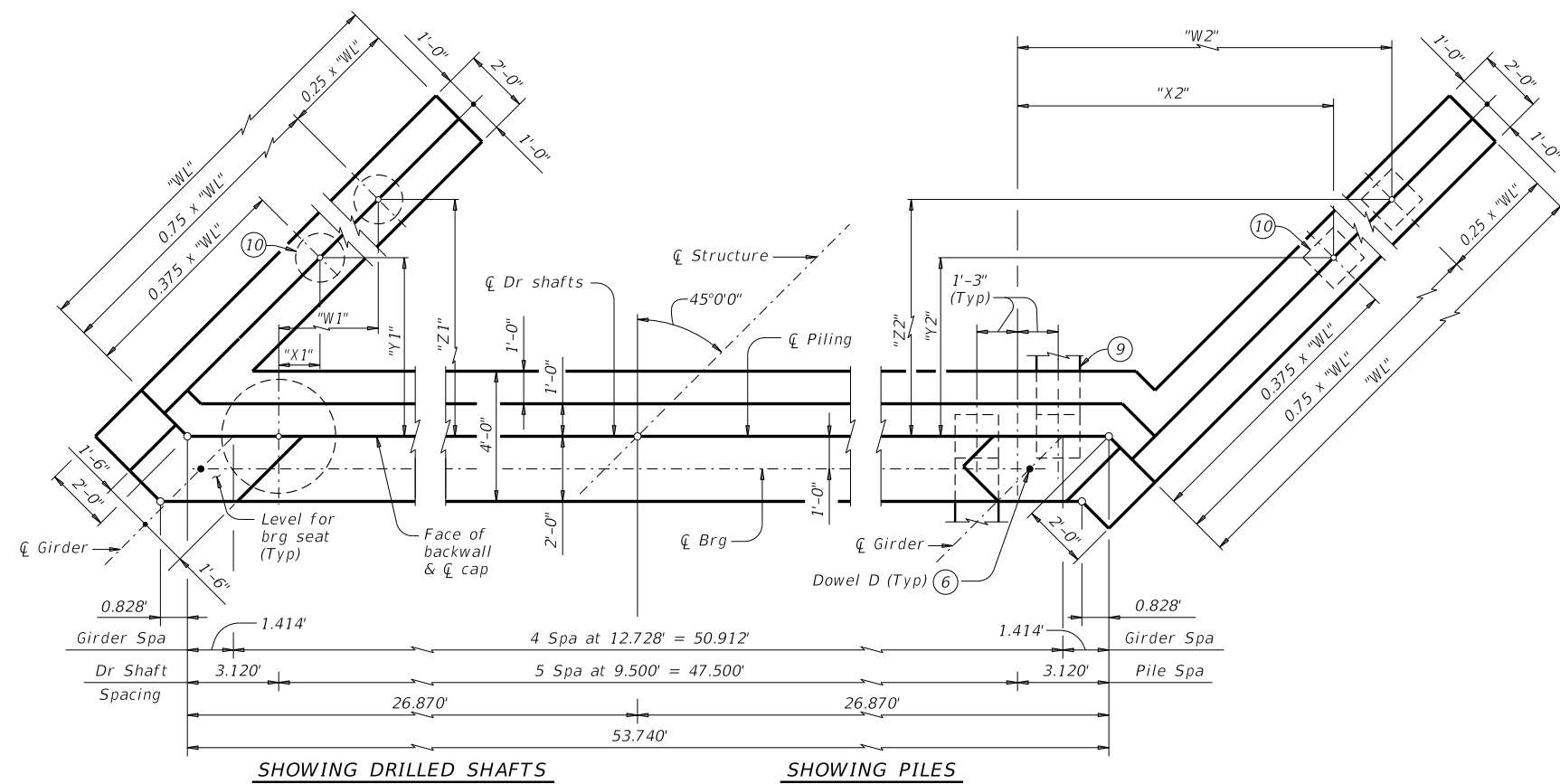
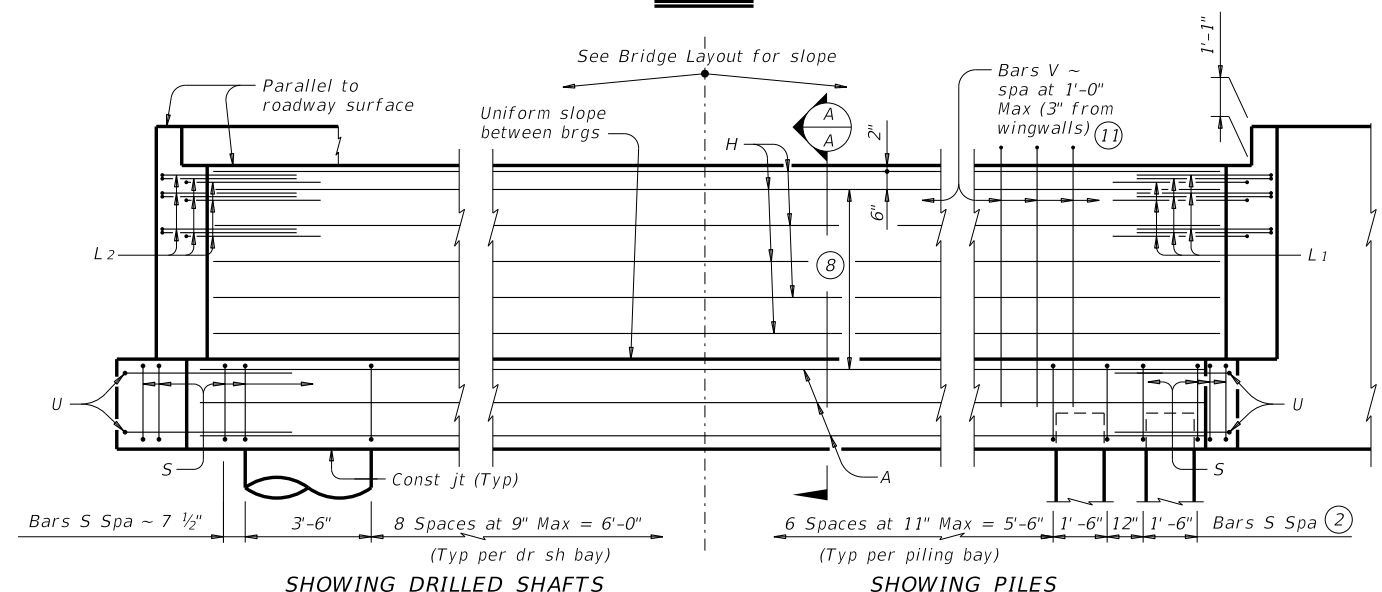


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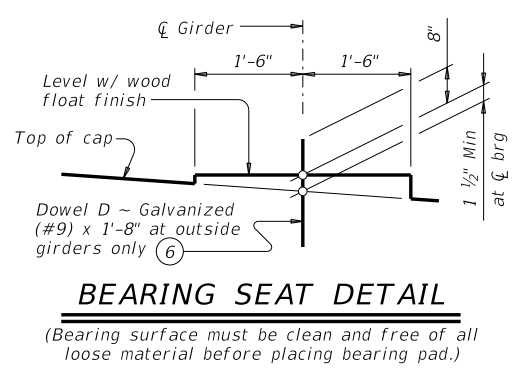


PLAN 1

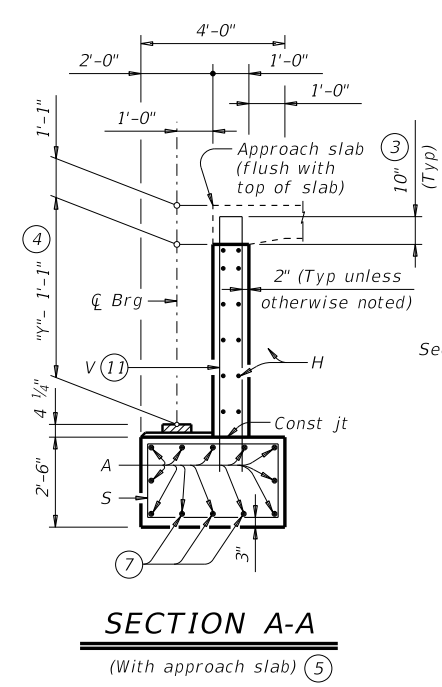


ELEVATION

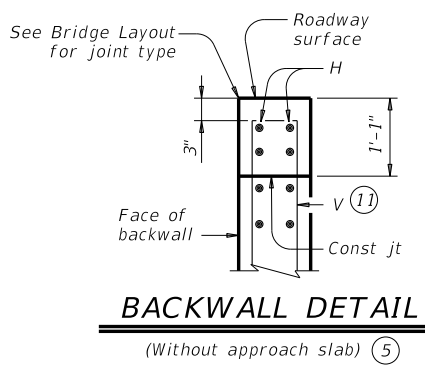
Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	21.000'	7.310'	Not Applicable		11.844'	14.964'	Not Applicable		10.430'
3:1	Tx62	Founded	30.000'	12.083'	4.128'	8.662'	16.617'	19.737'	11.782'	7.248'	15.203'



BEARING SEAT DETAIL



SECTION A-A



BACKWALL DETAIL

- 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-62-40-45 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.

Span Length	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	60	55
65	62	57
70	65	58
75	68	60
80	71	61
85	73	62
90	76	64
95	79	65
100	81	66
105	84	68
110	87	69
115	89	71
120	92	72
125	95	73
130	97	75

Bridge Division Standard

ABUTMENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 40' ROADWAY 45° SKEW

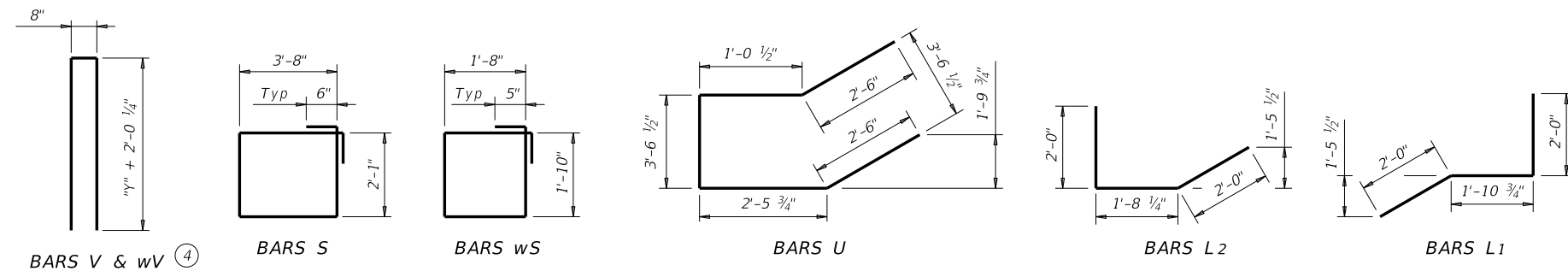
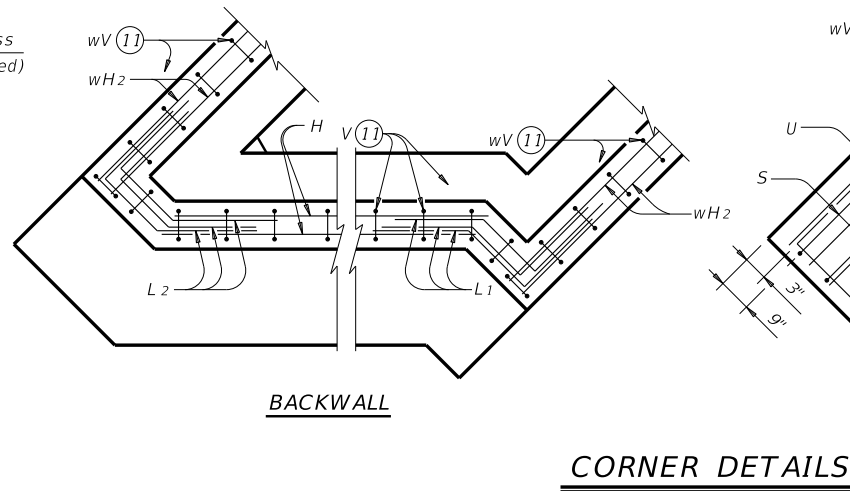
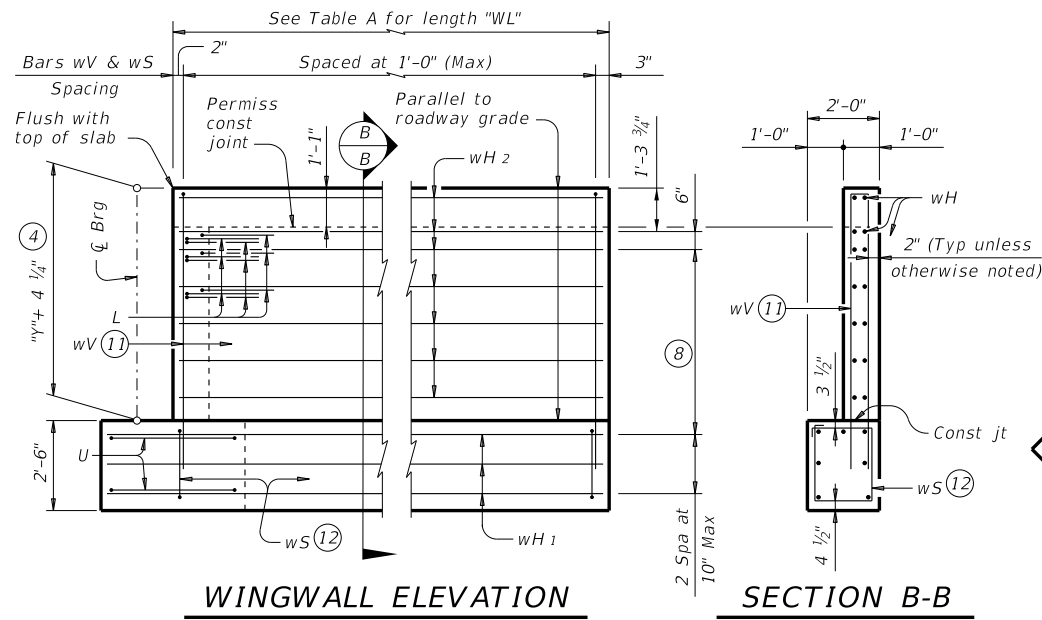
AIG-62-40-45

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

DATE: FILE:

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DATE:
FILE:



- (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 2.2 CY Class "C" concrete and 323 lbs reinforcing steel for 4 additional Bars H.

TABLE OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE (13)

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	12	#11	53'-9"	3,427
D (6)	2	#9	1'-8"	11
H	12	#6	53'-9"	969
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	53	#5	12'-6"	691
U	4	#6	12'-1"	73
V	57	#5	17'-0"	1,011
wH1	14	#6	22'-8"	477
wH2	28	#6	20'-8"	869
wS	44	#4	7'-10"	230
wV	44	#5	17'-0"	780
Reinforcing Steel			Lb	8,696
Class "C" Concrete			CY	49.8

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE (13)

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	12	#11	53'-9"	3,427
D (6)	2	#9	1'-8"	11
H	12	#6	53'-9"	969
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	53	#5	12'-6"	691
U	4	#6	12'-1"	73
V	57	#5	17'-0"	1,011
wH1	14	#6	31'-8"	666
wH2	28	#6	29'-8"	1,248
wS	62	#4	7'-10"	324
wV	62	#5	17'-0"	1,099
Reinforcing Steel			Lb	9,677
Class "C" Concrete			CY	57.5

HL93 LOADING

SHEET 2 OF 2



ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
40' ROADWAY 45° SKEW

AIG-62-40-45

FILE: IG-AIG624045-17.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
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REVISIONS	DIST	COUNTY	SHEET NO.	