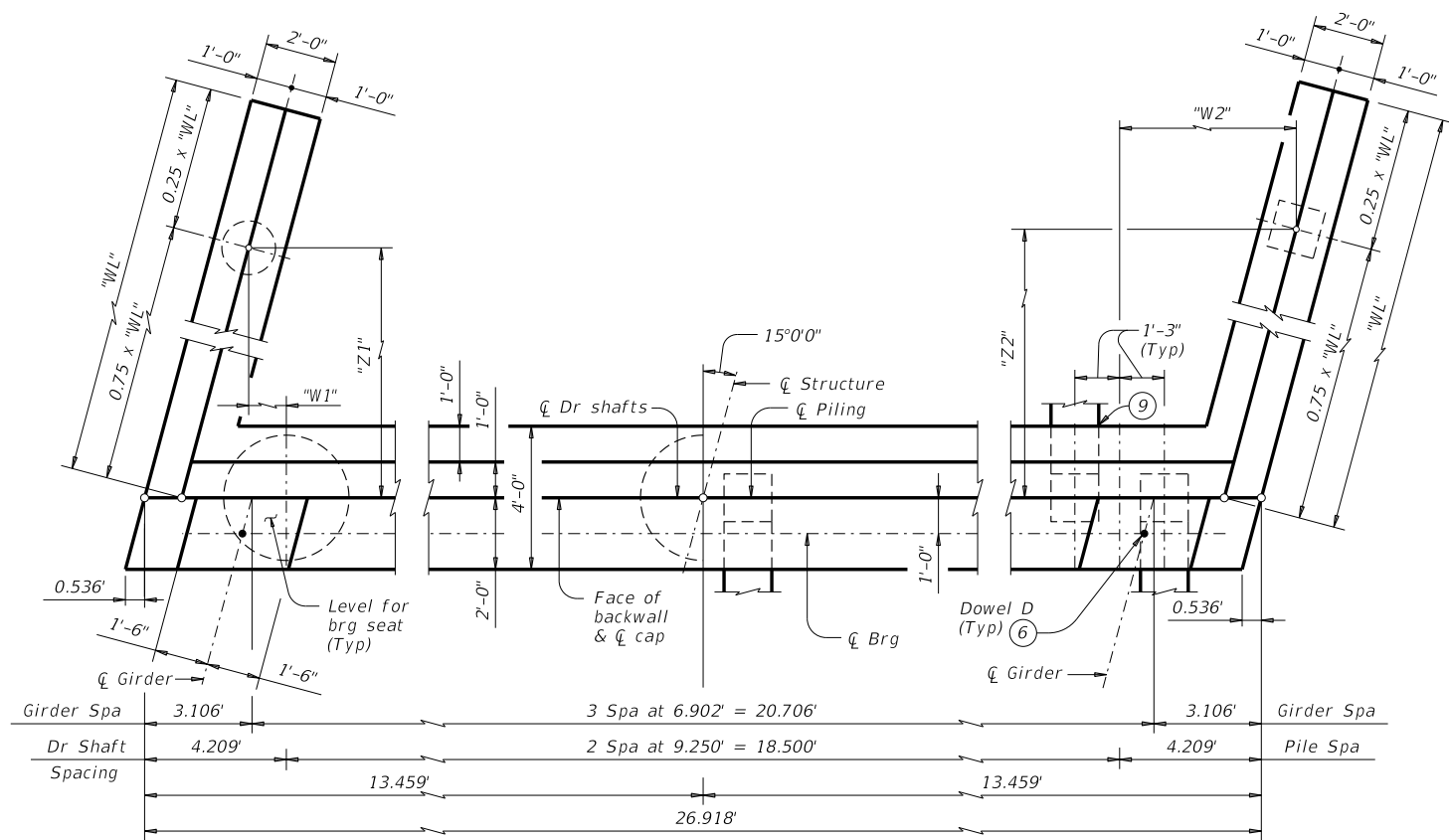
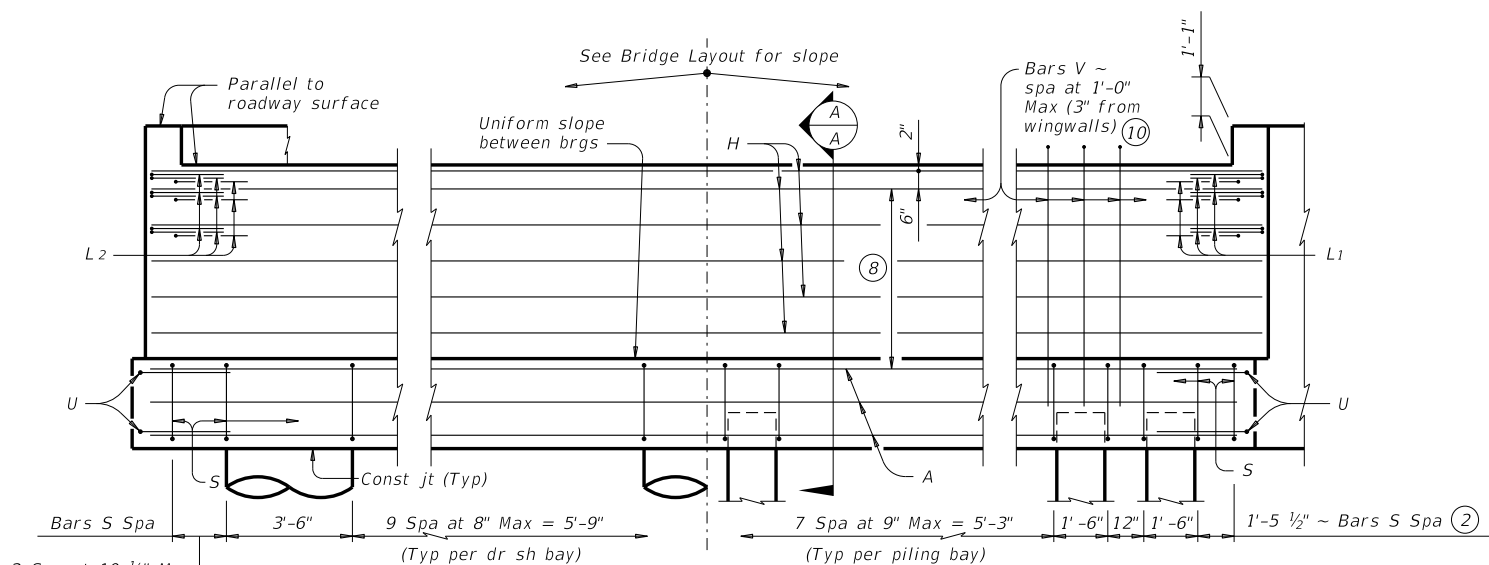


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DATE: FILE:

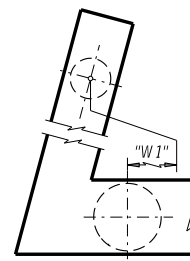


SHOWING DRILLED SHAFTS
PLAN ①
 SHOWING PILES

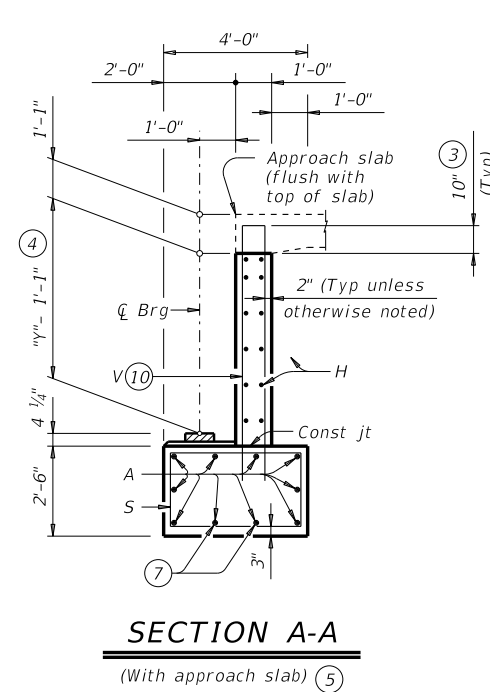


SHOWING DRILLED SHAFTS
ELEVATION
 SHOWING PILES

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1" ①	"Z1"	"W2"	"Z2"
2:1	Tx62	Founded	14.000'	0.456'	10.142'	5.891'	10.142'
3:1	Tx62	Founded	21.000'	-0.903'	15.213'	7.250'	15.213'

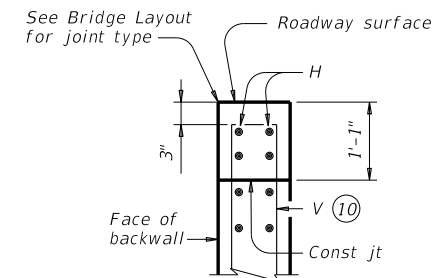


DETAIL A



SECTION A-A

(With approach slab) ⑤



BACKWALL DETAIL

(Without approach slab) ⑤

TABLE OF FOUNDATION LOADS

Span Length	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	85	67
65	89	70
70	93	72
75	97	74
80	101	76
85	105	78
90	109	80
95	113	82
100	117	84
105	120	86
110	124	88
115	128	90
120	132	92
125	136	94
130	140	96
135	144	98

- 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 Field bend as needed to clear piles.
- ⑪ Negative values for the "W1" dimension indicates a wingwall foundation on the other side of the cap foundation from what is shown in plan view. See Detail A.

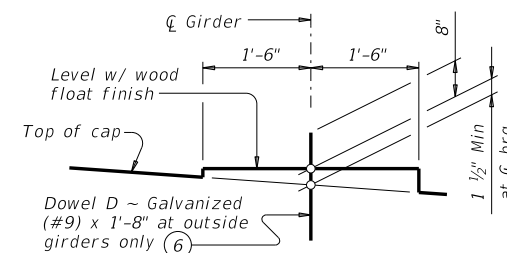
GENERAL NOTES:

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-62-24-15 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.



BEARING SEAT DETAIL

(Bearing surface must be clean and free of all loose material before placing bearing pad.)

HL93 LOADING

SHEET 1 OF 2

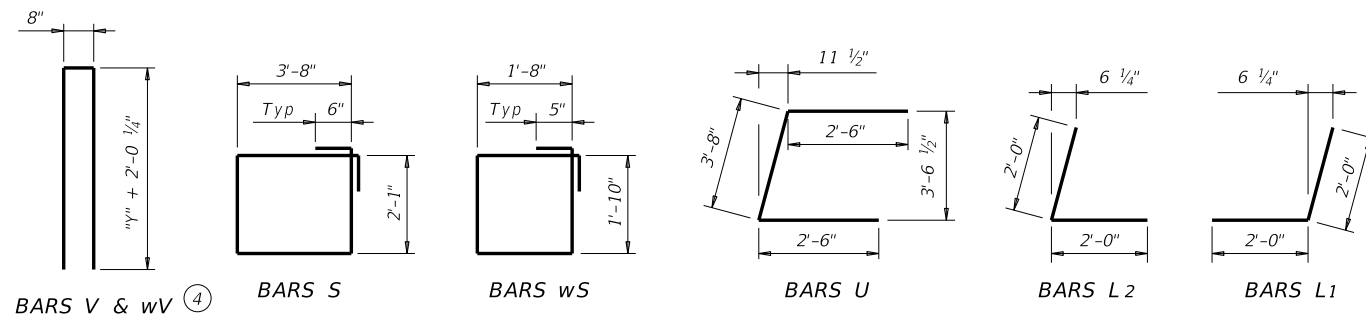
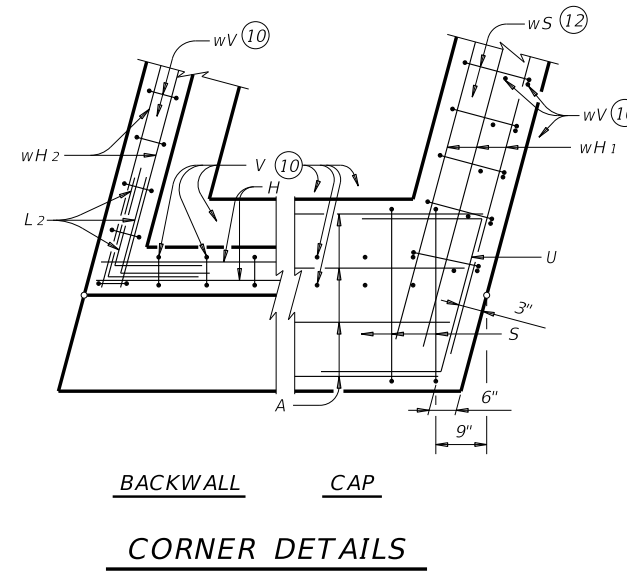
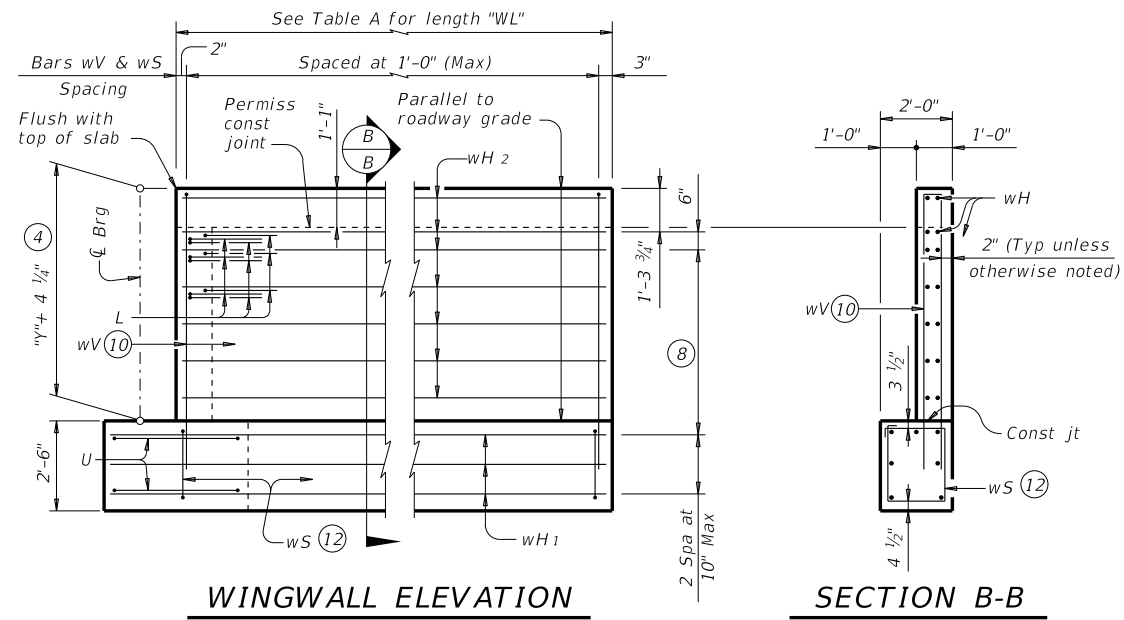


ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
24' ROADWAY 15° SKEW
AIG-62-24-15

FILE: IG-AIG622415-23.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
10-2023 - Stirrup Spa	DIST	COUNTY	SHEET NO.	

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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.
- (10) 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 1.0 CY Class "C" concrete and 160 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	10	#11	25'-11"	1,377
D (6)	2	#9	1'-8"	11
H	12	#6	26'-7"	479
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	26	#5	12'-6"	339
U	4	#6	8'-8"	52
V	26	#5	17'-0"	461
wH1	14	#6	15'-8"	329
wH2	28	#6	13'-8"	575
wS	30	#4	7'-10"	157
wV	30	#5	17'-0"	532
Reinforcing Steel			Lb	4,420
Class "C" Concrete			CY	26.2

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

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	10	#11	25'-11"	1,377
D (6)	2	#9	1'-8"	11
H	12	#6	26'-7"	479
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	26	#5	12'-6"	339
U	4	#6	8'-8"	52
V	26	#5	17'-0"	461
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	5,183
Class "C" Concrete			CY	32.2

HL93 LOADING

SHEET 2 OF 2

		Bridge Division Standard	
ABUTMENTS TYPE TX62 PRESTR CONC I-GIRDERS 24' ROADWAY 15° SKEW			
AIG-62-24-15			
FILE: IG-AIG622415-23.dgn	DN: TAR	CK: KCM	DW: JTR
©TxDOT August 2017	CONT	SECT	JOB
REVISIONS	COUNTY		SHEET NO.
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