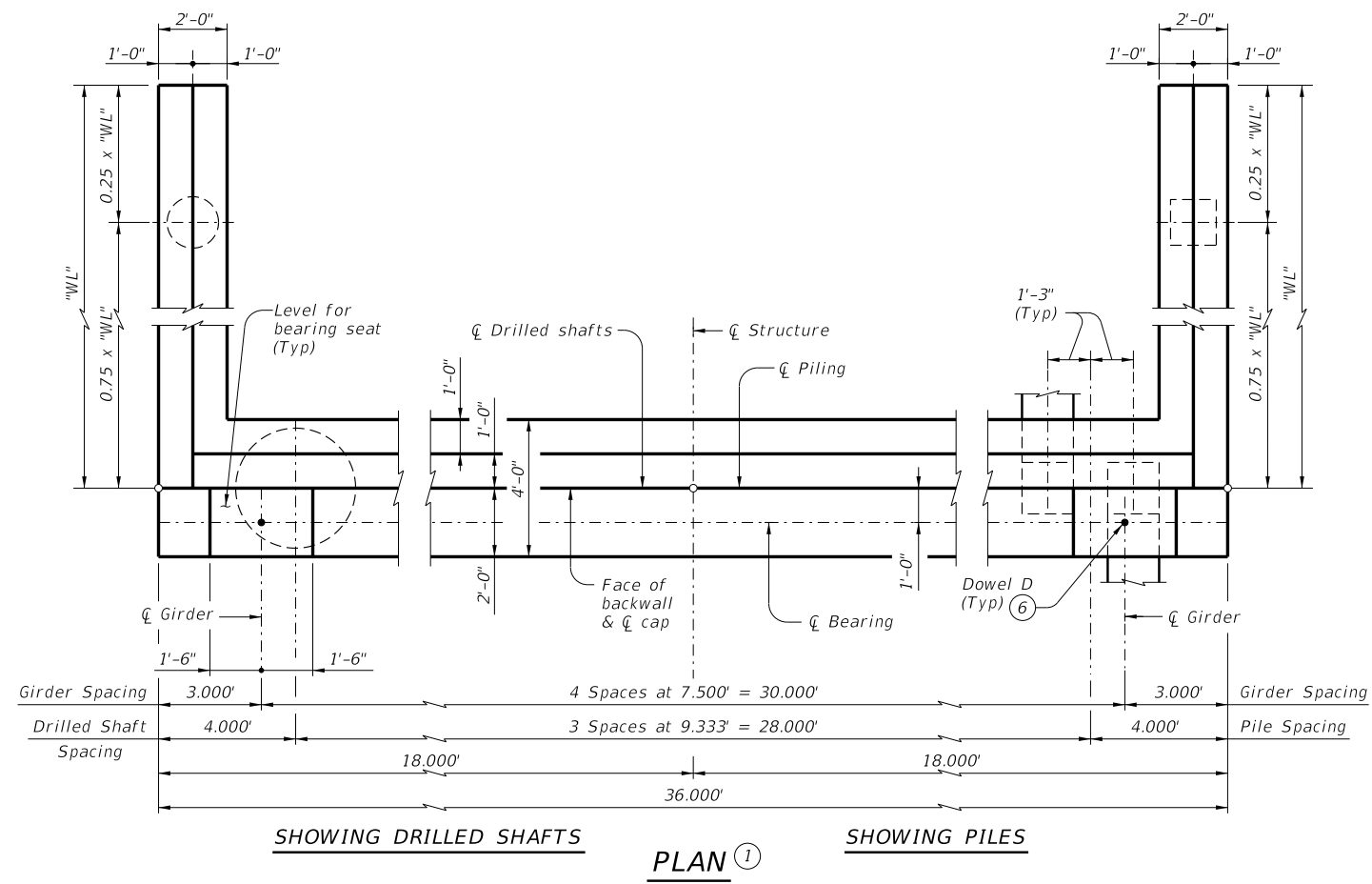
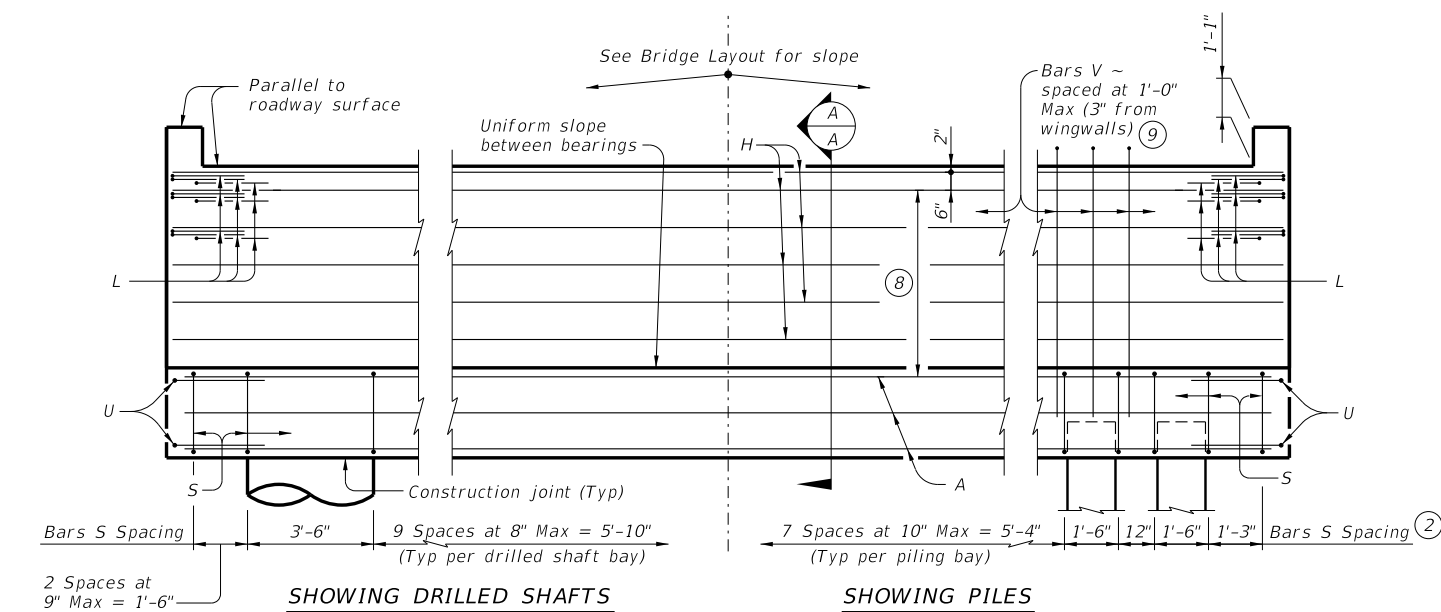


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DATE: FILE:

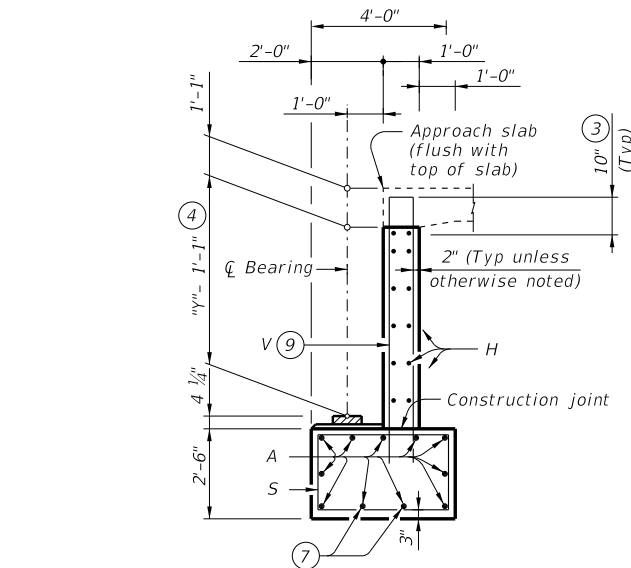


PLAN 1



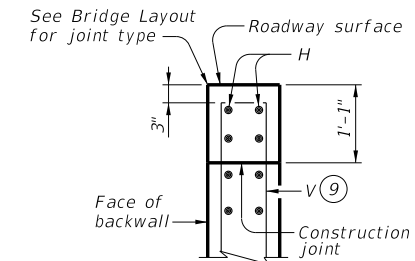
ELEVATION

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"
2:1	Tx62	Founded	14.000'
3:1	Tx62	Founded	20.000'



SECTION A-A

(With approach slab) 5



BACKWALL DETAIL

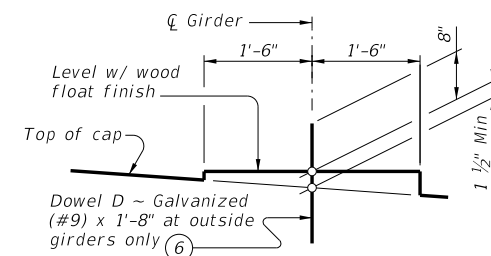
(Without approach slab) 5

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

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.

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.
 These abutment details may be used with standard SIG-62-34 only.

Cover dimensions are clear dimensions, unless noted otherwise.
 Reinforcing bar dimensions shown are out-to-out of bar.



BEARING SEAT DETAIL

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

TABLE OF FOUNDATION LOADS

Span Length	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	80	65
65	84	68
70	88	70
75	92	72
80	96	74
85	100	75
90	104	77
95	107	79
100	111	81
105	115	83
110	119	85
115	122	87
120	126	89
125	130	91
130	134	93
135	137	95

HL93 LOADING

SHEET 1 OF 2



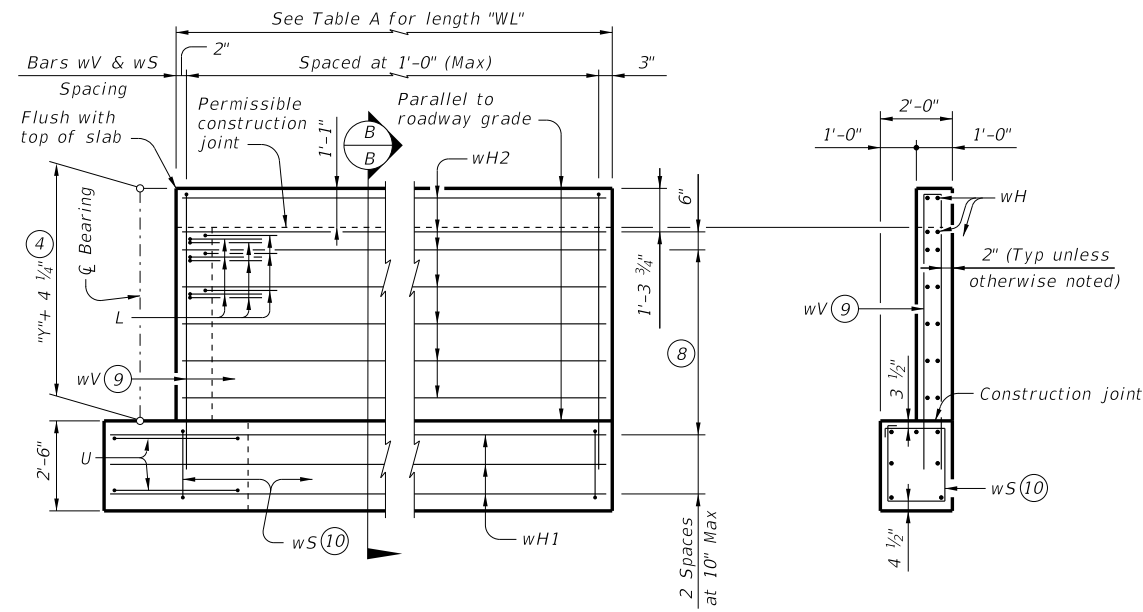
ABUTMENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 34' ROADWAY

AIG-62-34

FILE: IG-AIG623400-23.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
©TxDOT January 2023	CONT	SECT	JOB	HIGHWAY
REVISIONS				
DIST	COUNTY			SHEET NO.

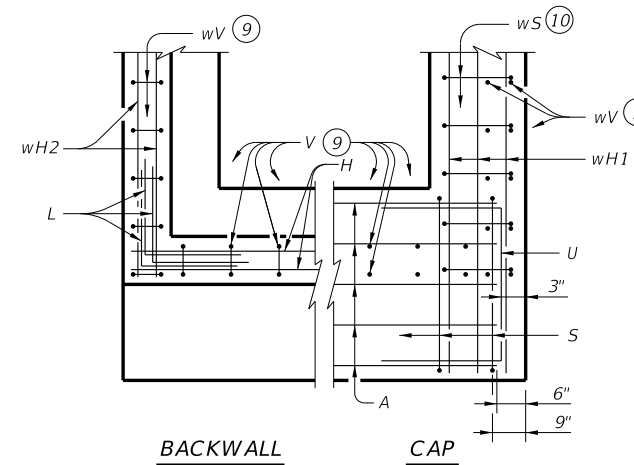
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DATE:
FILE:



WINGWALL ELEVATION

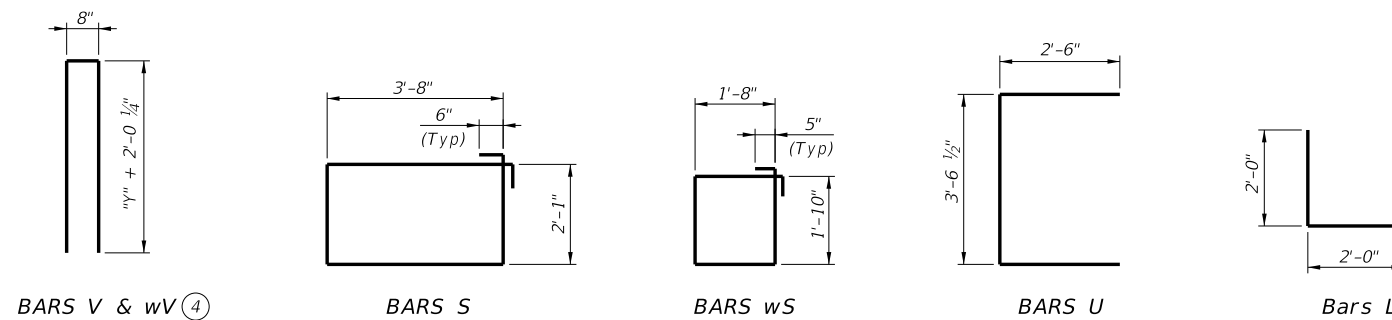
SECTION B-B



BACKWALL

CAP

CORNER DETAILS



BARS V & wV

BARS S

BARS wS

BARS U

Bars L

- 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.
- ⑨ Field bend as needed to clear piles.
- ⑩ Adjust as required to avoid piling.
- ⑪ Quantities shown are for one abutment only (with approach slab). With no approach slab, add 1.4 CY Class "C" concrete and 214 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	35'-0"	2,046
D	2	#9	1'-8"	11
H	12	#6	35'-8"	643
L	18	#6	4'-0"	108
S	36	#5	12'-6"	469
U	4	#6	8'-7"	52
V	35	#5	17'-0"	621
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	5,543
Class "C" Concrete			CY	31.5

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	11	#11	35'-0"	2,046
D	2	#9	1'-8"	11
H	12	#6	35'-8"	643
L	18	#6	4'-0"	108
S	36	#5	12'-6"	469
U	4	#6	8'-7"	52
V	35	#5	17'-0"	621
wH1	14	#6	21'-8"	456
wH2	28	#6	19'-8"	827
wS	42	#4	7'-10"	220
wV	42	#5	17'-0"	745
Reinforcing Steel			Lb	6,198
Class "C" Concrete			CY	36.6

HL93 LOADING

SHEET 2 OF 2



**ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
34' ROADWAY**

AIG-62-34

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REVISIONS	DIST	COUNTY	SHEET NO.	