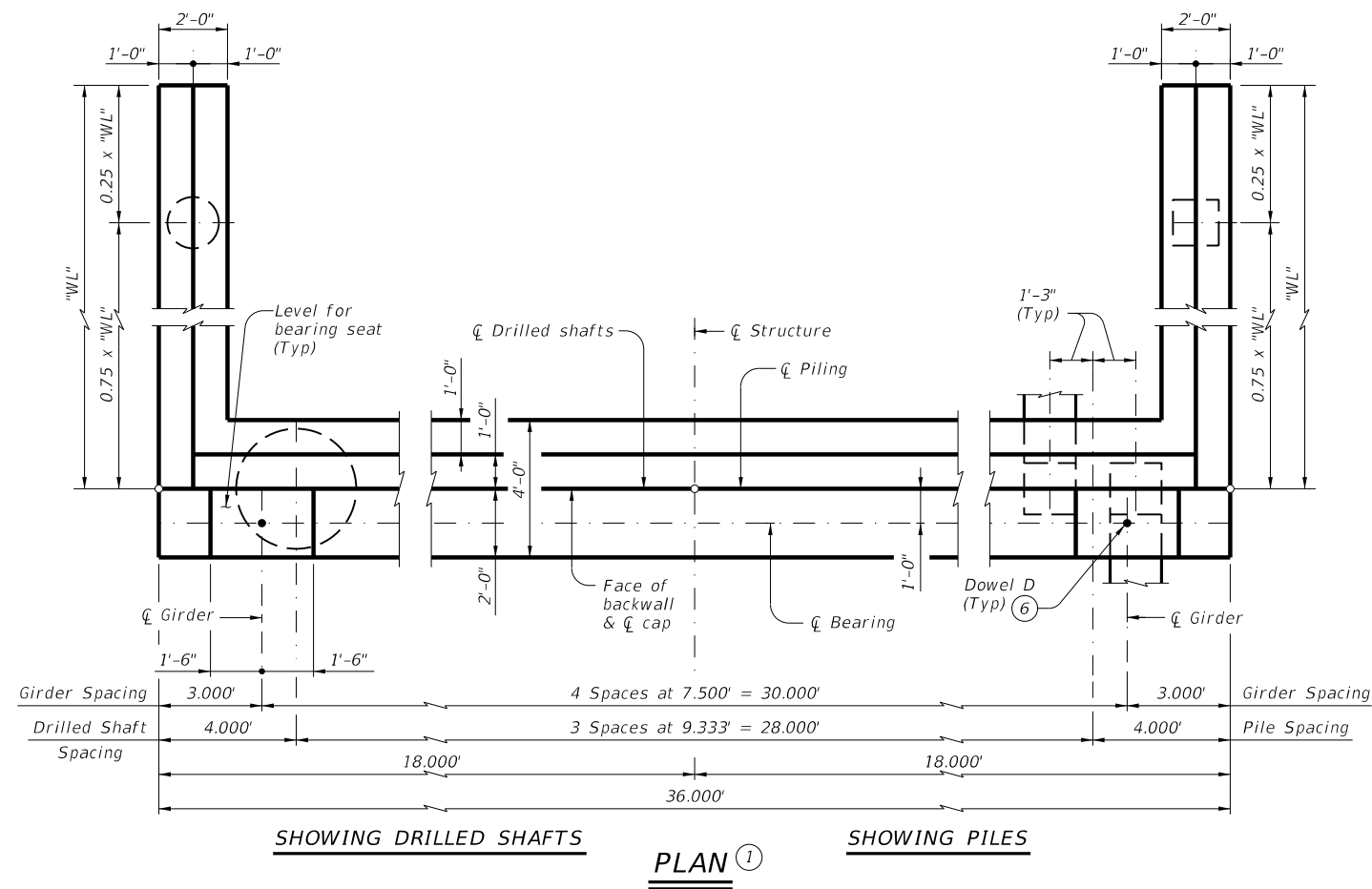


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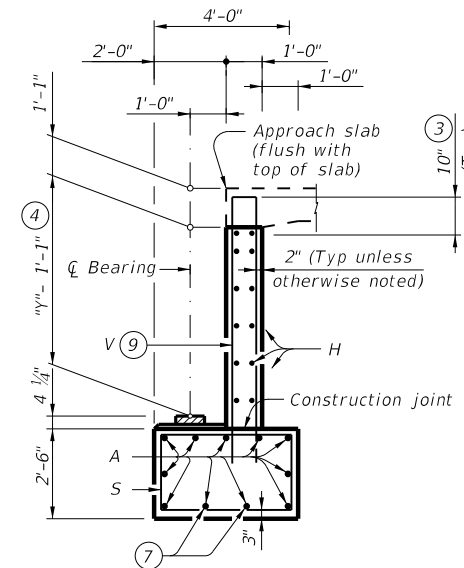
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SHOWING DRILLED SHAFTS

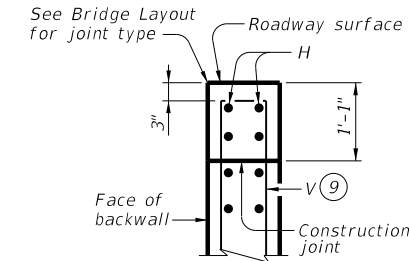
SHOWING PILES

PLAN ①



SECTION A-A

(With approach slab) ⑤



BACKWALL DETAIL

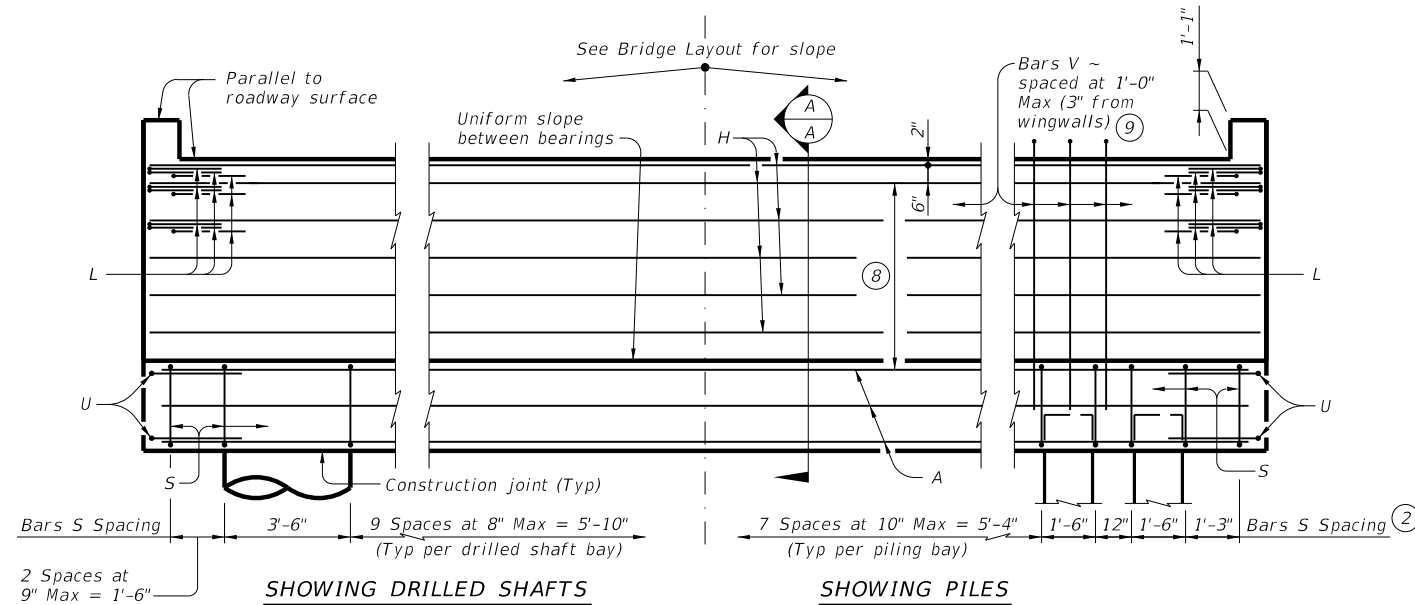
(Without approach slab) ⑤

- 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 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.

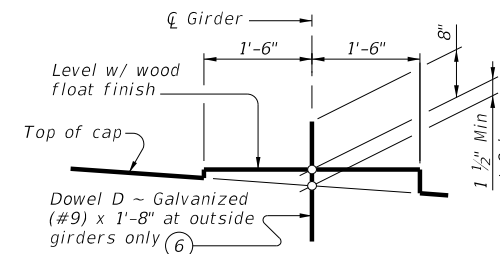


SHOWING DRILLED SHAFTS

SHOWING PILES

ELEVATION

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



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	75	63
65	79	65
70	82	67
75	86	68
80	90	70
85	93	72
90	97	74
95	101	76
100	104	78
105	108	80
110	112	82
115	115	84
120	119	85
125	123	87
130	126	89
135	130	91

HL93 LOADING

SHEET 1 OF 2



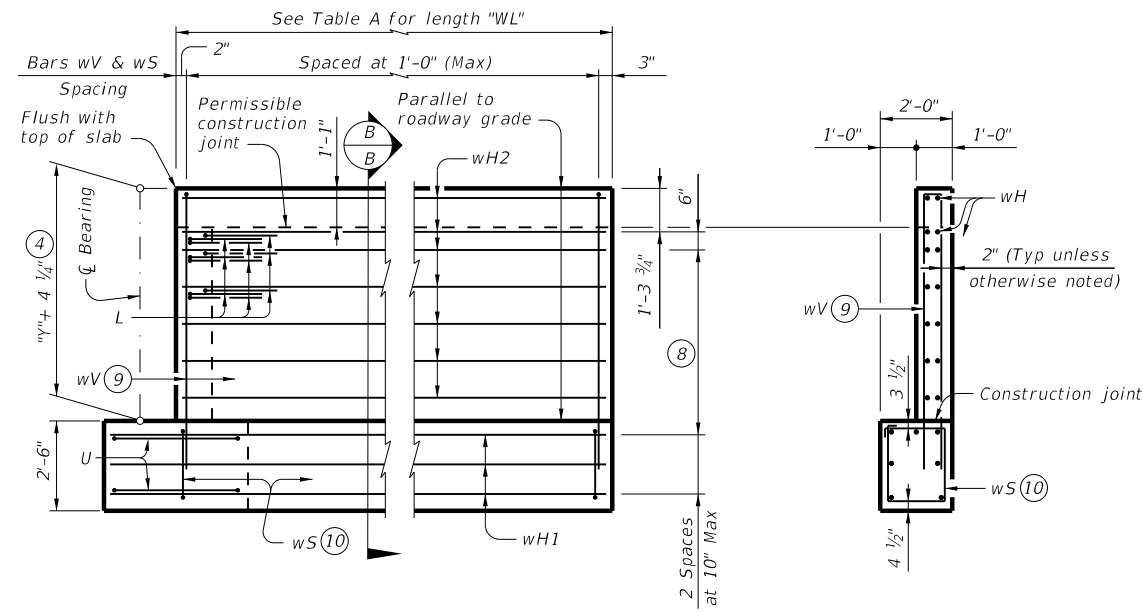
ABUTMENTS
 TYPE TX62
 PRESTR CONC I-GIRDERS
 34' ROADWAY

AIG-62-34

FILE: IG-AIG623400-24.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
©TxDOT January 2023	CONT	SECT	JOB	HIGHWAY
REVISIONS				
05/2024: Updated FDN loads.	DIST	COUNTY		SHEET NO.

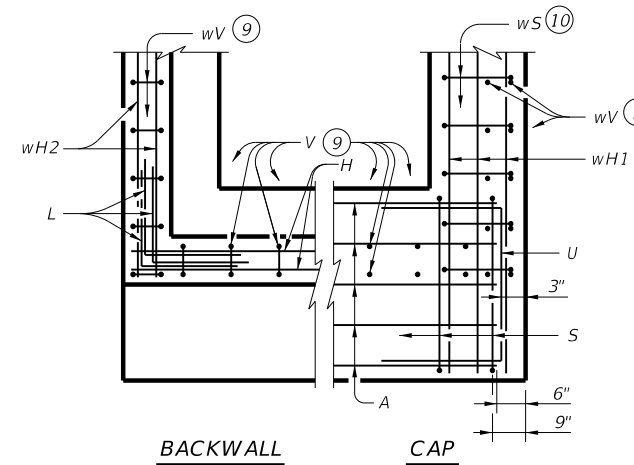
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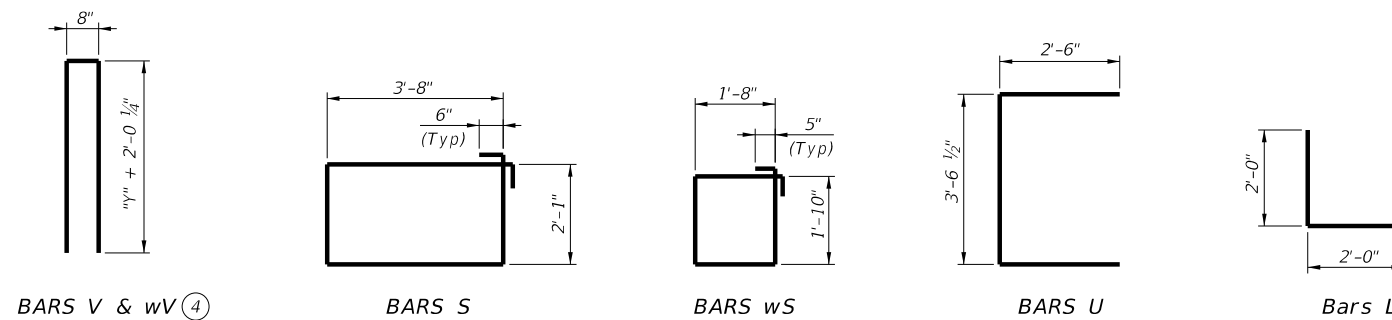


WINGWALL ELEVATION

SECTION B-B



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.

(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 (11)

TYPE Tx62 Girders					
Bar	No.	Size	Length	Weight	
A	11	#11	35'-0"	2,046	
D(6)	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 (11)

TYPE Tx62 Girders					
Bar	No.	Size	Length	Weight	
A	11	#11	35'-0"	2,046	
D(6)	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

FILE: IG-AIG623400-24.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
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REVISIONS	DIST	COUNTY	SHEET NO.	
05/2024: Updated FDN loads.				