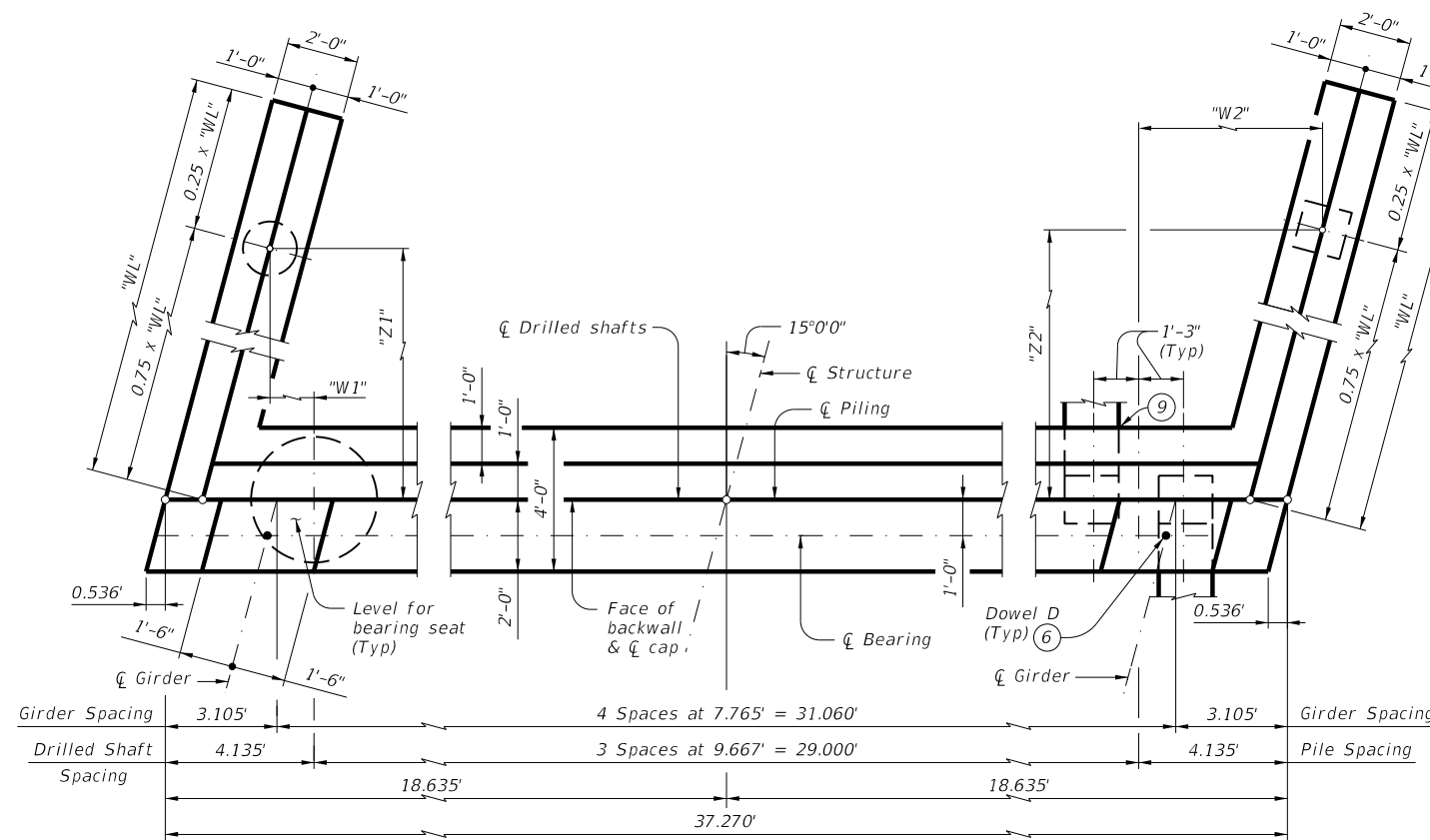


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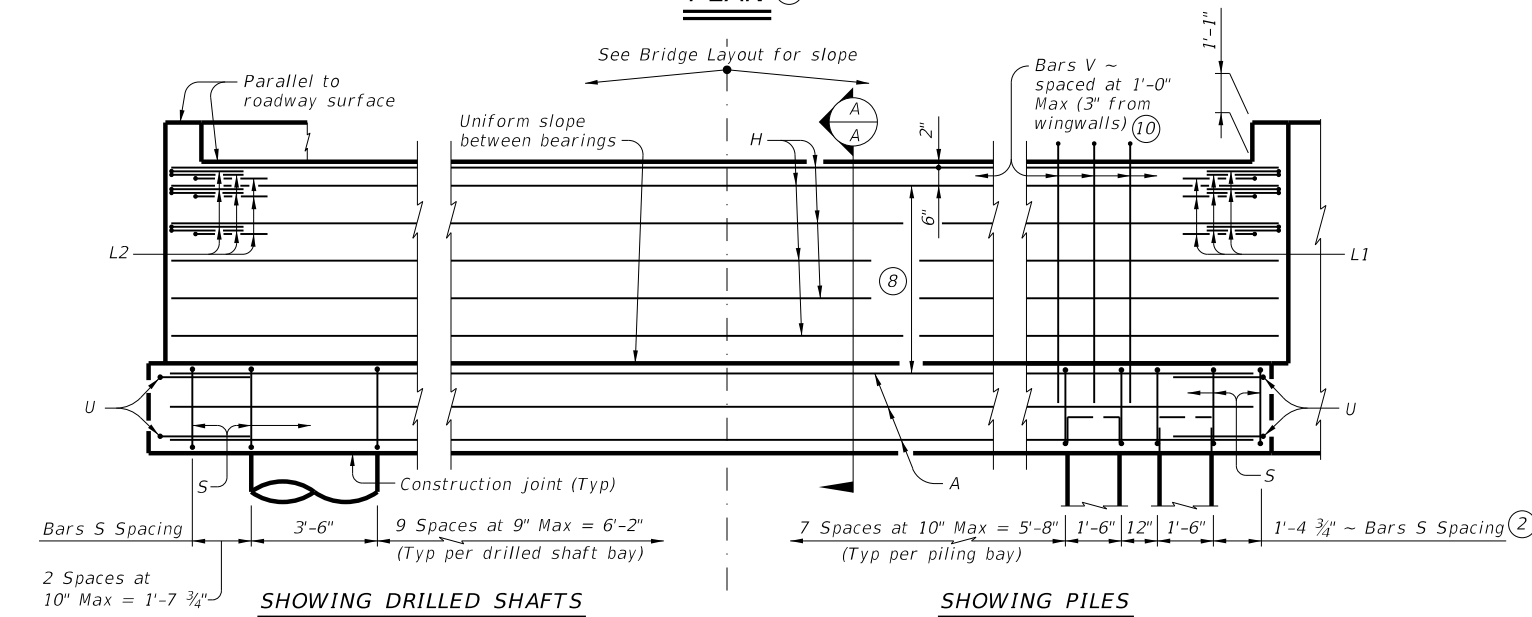
DATE: FILE:



SHOWING DRILLED SHAFTS

SHOWING PILES

PLAN ①

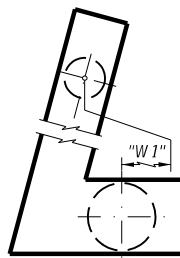


SHOWING DRILLED SHAFTS

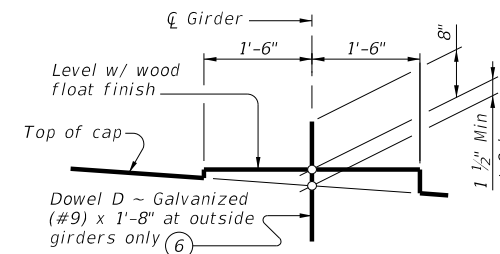
SHOWING PILES

ELEVATION

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1" ⑪	"Z1"	"W2"	Z2"
2:1	Tx62	Founded	14.000'	0.382'	10.142'	5.817'	10.142'
3:1	Tx62	Founded	21.000'	-0.977'	15.213'	7.176'	15.213'

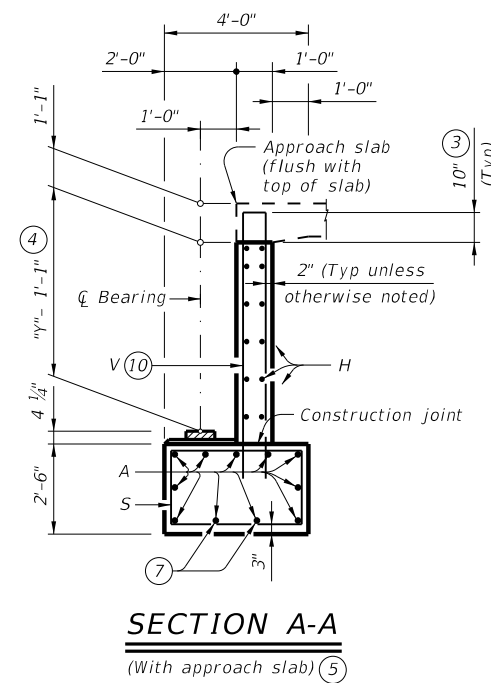


DETAIL A



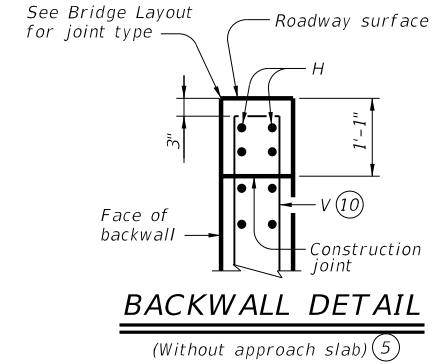
BEARING SEAT DETAIL

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



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 See Detail A on the Common Foundation Details (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.

Span Length Ft	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	75	64
65	79	66
70	83	68
75	86	70
80	90	71
85	94	73
90	98	75
95	101	77
100	105	79
105	108	81
110	112	83
115	116	85
120	119	86
125	123	88
130	127	90
135	130	92

**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.  
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.  
 These abutment details may be used with standard SIG-62-34-15 only.

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

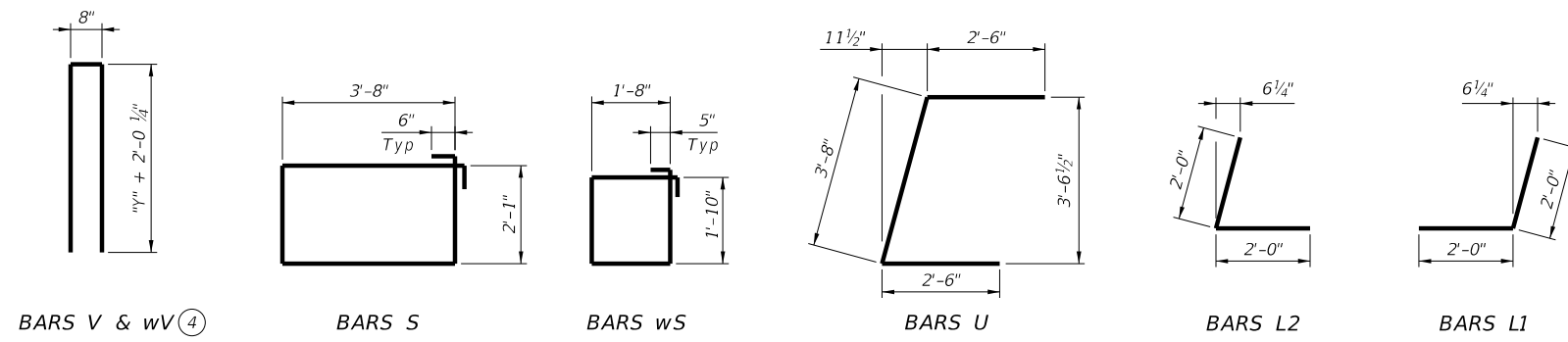
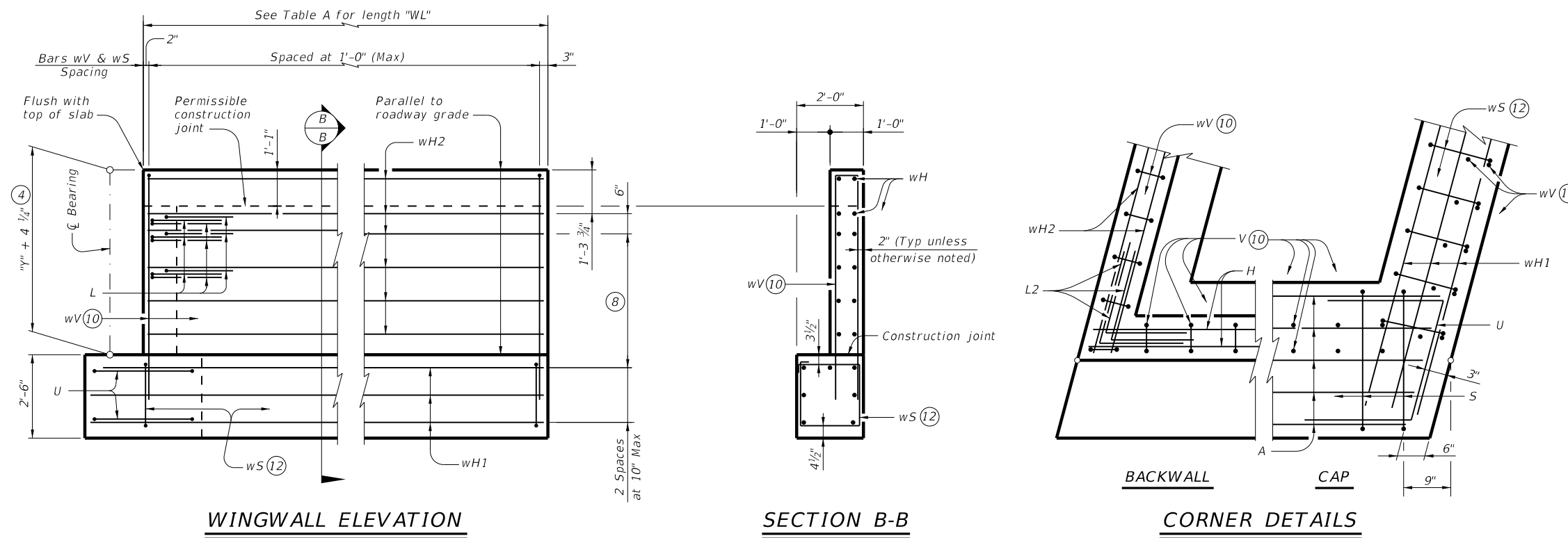
HL93 LOADING

SHEET 1 OF 2

		<b>Bridge Division Standard</b>	
<b>ABUTMENTS</b> <b>TYPE TX62</b> <b>PRESTR CONC I-GIRDERS</b> <b>34' ROADWAY 15° SKEW</b>			
<b>AIG-62-34-15</b>			
FILE: IG-AIG623415-24.dgn	DN: TAR	CK: VC	DW: SFS
©TxDOT January 2023	CONT	SECT	JOB
REVISIONS			HIGHWAY
05/2024: Updated FDN loads.	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 1.4 CY Class "C" concrete and 222 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	11	#11	36'-3"	2,119
D(6)	2	#9	1'-8"	11
H	12	#6	36'-11"	665
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	36	#5	12'-6"	469
U	4	#6	8'-8"	52
V	36	#5	17'-0"	638
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	5,655
Class "C" Concrete			CY	32.2

**TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE ⑬**

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	11	#11	36'-3"	2,119
D(6)	2	#9	1'-8"	11
H	12	#6	36'-11"	665
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	36	#5	12'-6"	469
U	4	#6	8'-8"	52
V	36	#5	17'-0"	638
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	6,418
Class "C" Concrete			CY	38.2



**ABUTMENTS**  
**TYPE TX62**  
**PRESTR CONC I-GIRDERS**  
**34' ROADWAY 15° SKEW**  
**AIG-62-34-15**

FILE: IG-AIG623415-24.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
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REVISIONS				
05/2024: Updated FDN loads.	DIST	COUNTY	SHEET NO.	