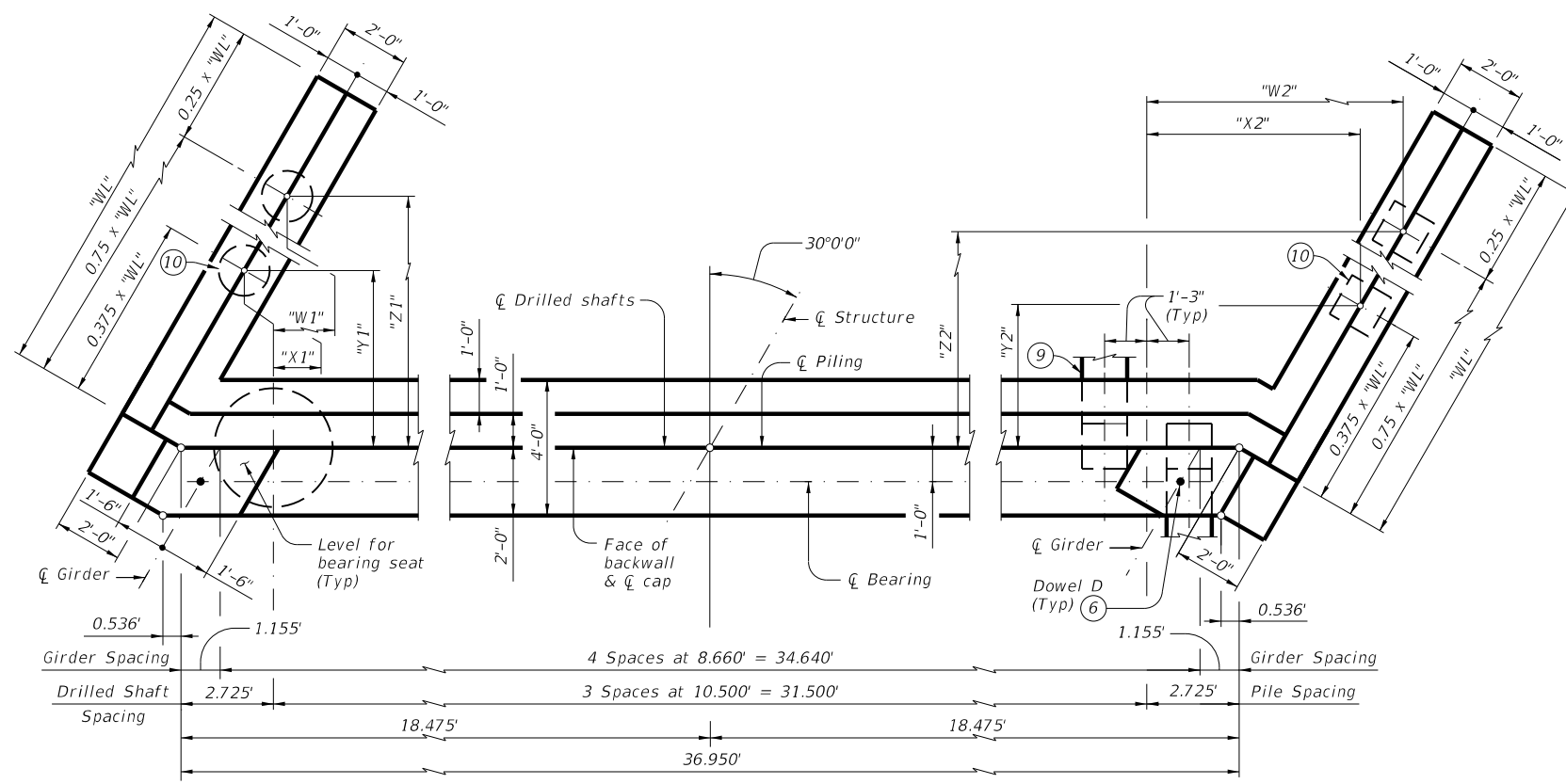


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DATE: FILE:

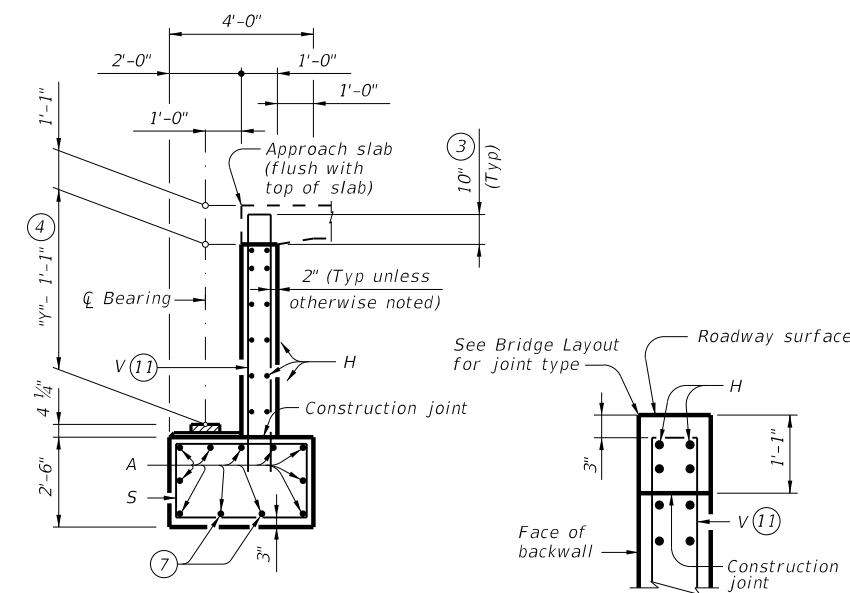
TABLE OF FOUNDATION LOADS

Span Length Ft	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	76	66
65	80	68
70	84	70
75	88	72
80	91	74
85	95	76
90	99	78
95	102	80
100	106	82
105	110	84
110	113	85
115	117	87
120	121	89
125	124	91
130	128	93
135	131	95



SHOWING DRILLED SHAFTS SHOWING PILES

PLAN ①

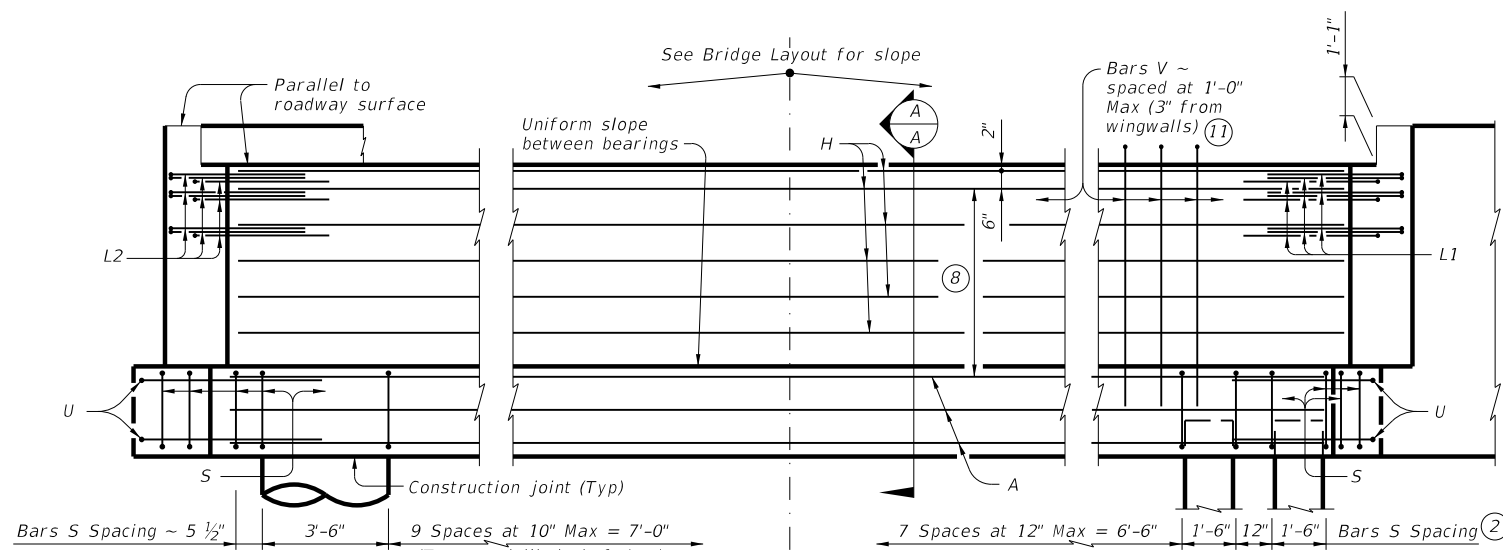


SECTION A-A

(With approach slab) ⑤

BACKWALL DETAIL

(Without approach slab) ⑤



SHOWING DRILLED SHAFTS SHOWING PILES

ELEVATION

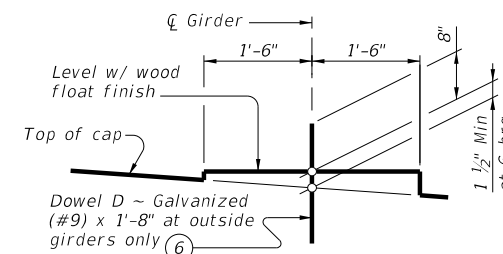
- ① See Table A for variable dimensions based on header slope.
- ② For piling larger than 16" adjust Bars S spacing as required to avoid piling.
- ③ Increase as required to maintain 3" from finished grade.
- ④ See Span details for "Y" value.
- ⑤ See Bridge Layout to determine if approach slab is present.
- 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 See Table A to determine if this wingwall foundation is required.
- ⑪ 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.
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.
 These abutment details may be used with standard SIG-62-34-30 only.

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

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1"	"X1"	"Y1"	"Z1"	"W2"	"X2"	"Y2"	"Z2"
2:1	Tx62	Founded	17.000'	2.784'	Not Applicable	11.542'	9.966'	Not Applicable	10.542'		
3:1	Tx62	Founded	24.000'	5.409'	0.909'	8.294'	16.088'	12.591'	8.091'	7.294'	15.088'



BEARING SEAT DETAIL

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

HL93 LOADING

SHEET 1 OF 2

Texas Department of Transportation Bridge Division Standard

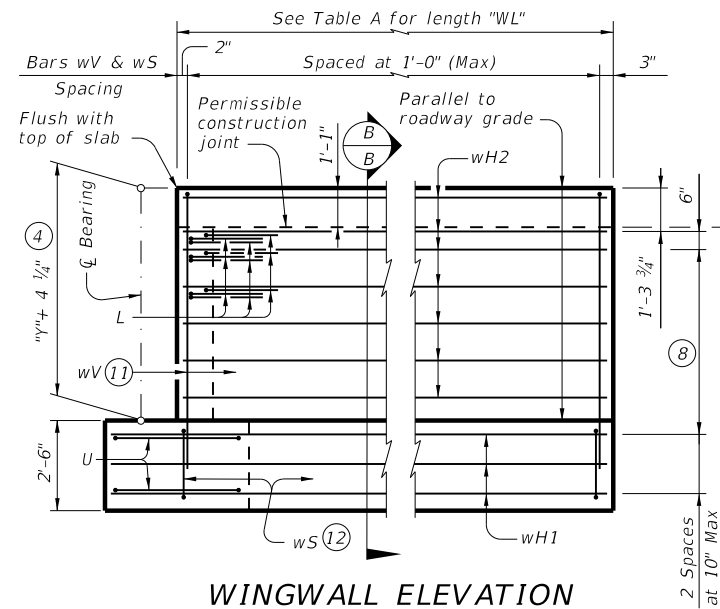
ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
34' ROADWAY 30° SKEW

AIG-62-34-30

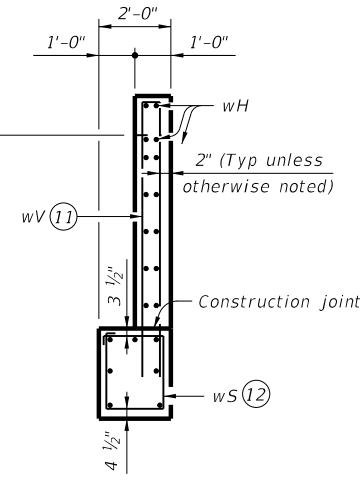
FILE: IG-AIG623430-24.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
©TxDOT January 2023	CONT	SECT	JOB	HIGHWAY
REVISIONS				
05/2024: Updated FDN loads.	DIST	COUNTY		SHEET NO.

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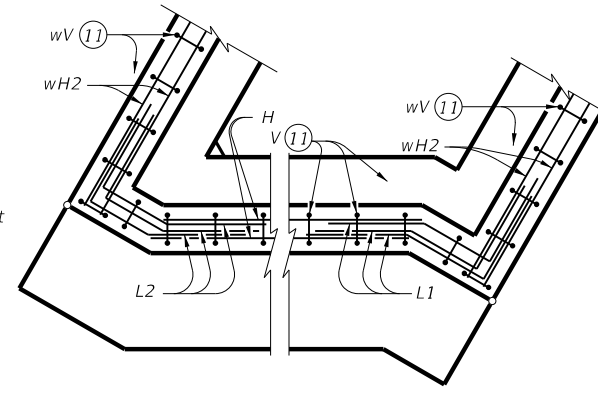
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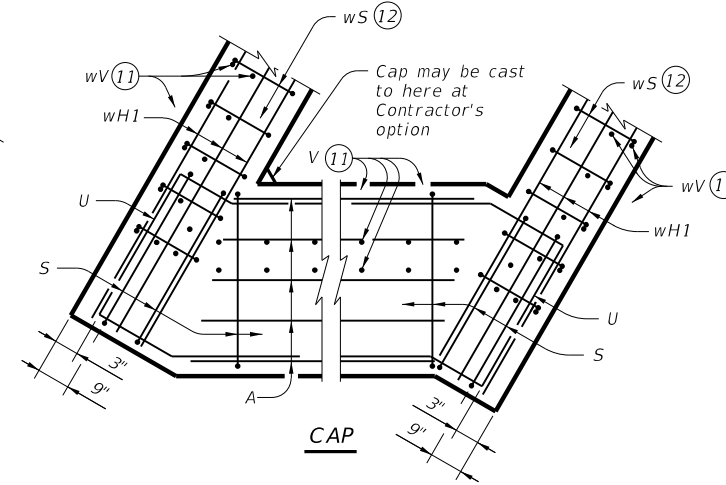
WINGWALL ELEVATION



SECTION B-B

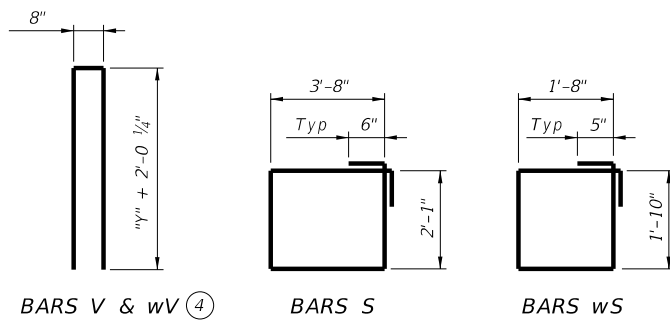


BACKWALL



CAP

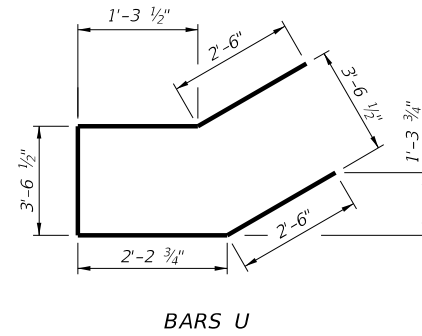
CORNER DETAILS



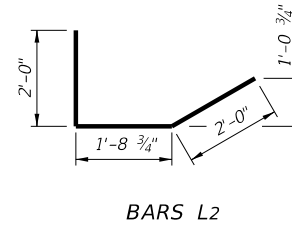
BARS V & wV

BARS S

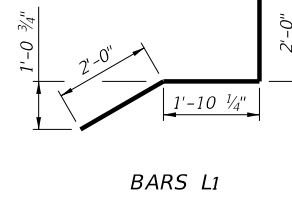
BARS wS



BARS U



BARS L2



BARS L1

- 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 1.6 CY Class "C" concrete and 250 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	36'-11"	2,158
D(6)	2	#9	1'-8"	11
H	12	#6	36'-11"	665
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	38	#5	12'-6"	495
U	4	#6	12'-1"	73
V	40	#5	17'-0"	709
wH1	14	#6	18'-8"	393
wH2	28	#6	16'-8"	701
wS	36	#4	7'-10"	188
wV	36	#5	17'-0"	638

Reinforcing Steel	Lb	6,189
Class "C" Concrete	CY	36.9

TABLE OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE

TYPE Tx62 Girders

Bar	No.	Size	Length	Weight
A	11	#11	36'-11"	2,158
D(6)	2	#9	1'-8"	11
H	12	#6	36'-11"	665
L1	9	#6	5'-11"	80
L2	9	#6	5'-9"	78
S	38	#5	12'-6"	495
U	4	#6	12'-1"	73
V	40	#5	17'-0"	709
wH1	14	#6	25'-8"	540
wH2	28	#6	23'-8"	995
wS	50	#4	7'-10"	262
wV	50	#5	17'-0"	887

Reinforcing Steel	Lb	6,953
Class "C" Concrete	CY	42.9

HL93 LOADING

SHEET 2 OF 2



ABUTMENTS
TYPE TX62
PRESTR CONC I-GIRDERS
34' ROADWAY 30° SKEW

AIG-62-34-30

FILE: IG-AIG623430-24.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
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REVISIONS				
05/2024: Updated FDN loads.	DIST	COUNTY		SHEET NO.