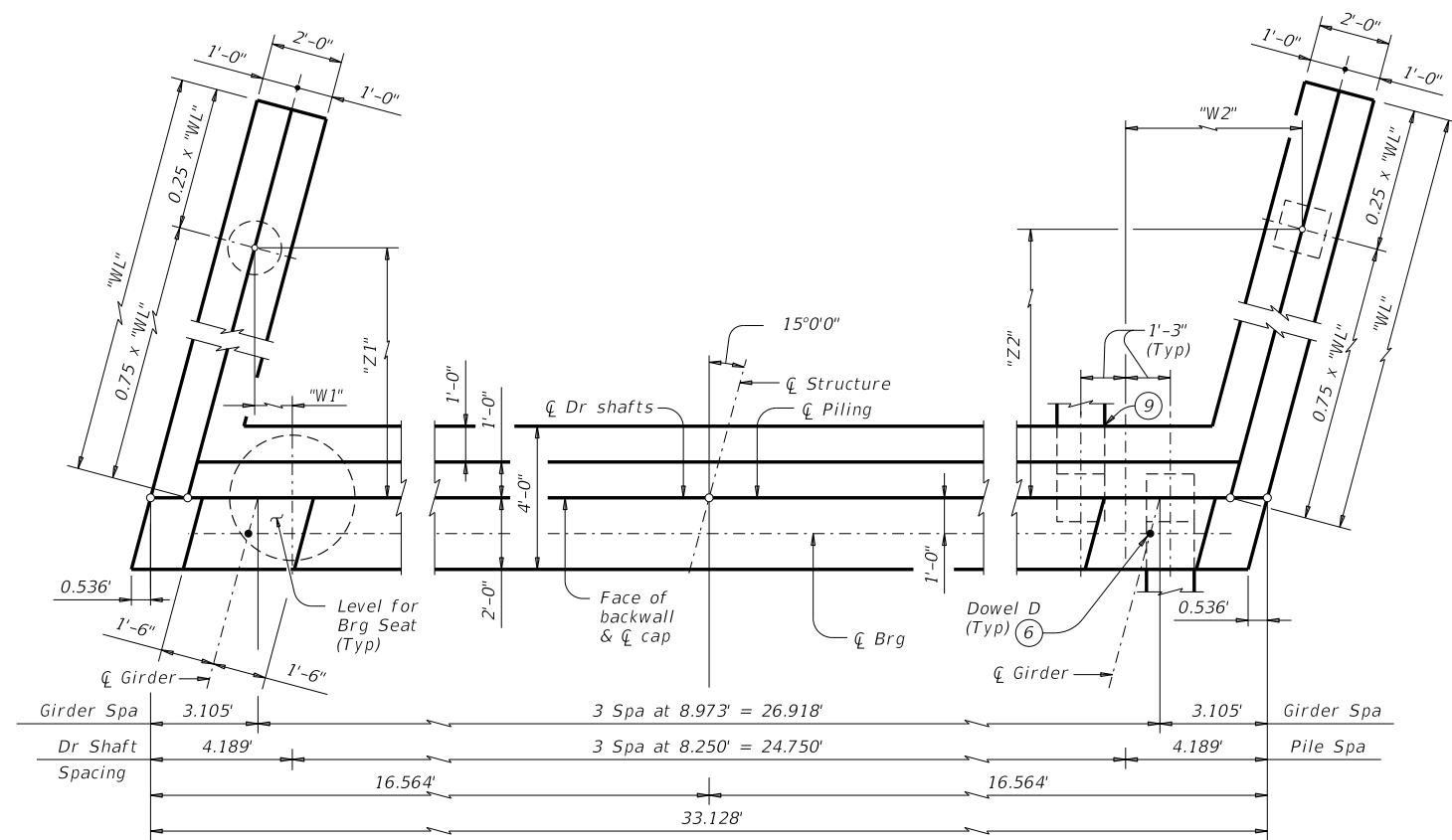
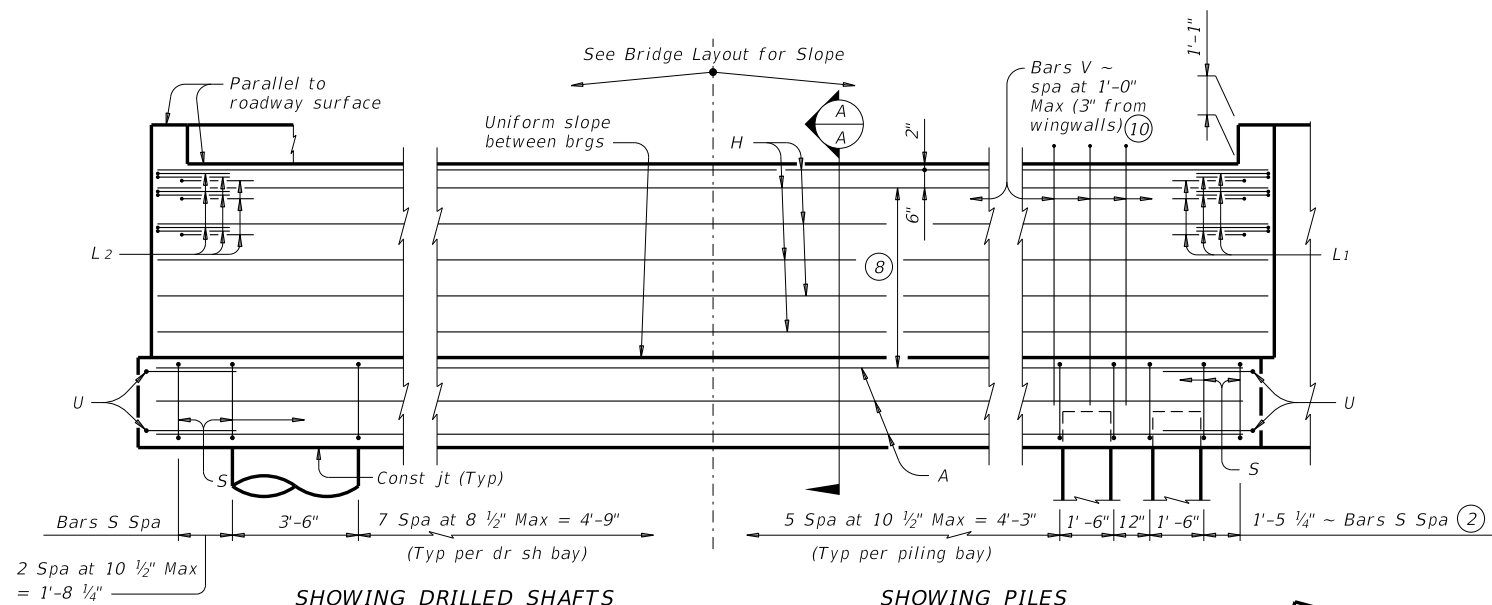


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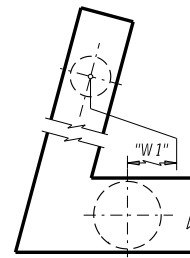


SHOWING DRILLED SHAFTS  
**PLAN 1**  
SHOWING PILES

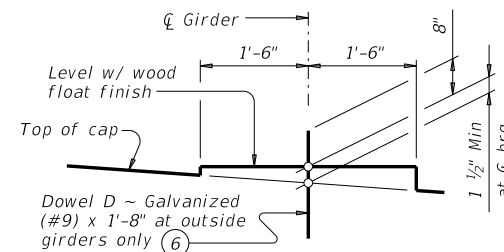


SHOWING DRILLED SHAFTS  
**ELEVATION**  
SHOWING PILES

Header Slope	Girder Type	Wingwall Type	Wingwall Lgth "WL"	"W1" (1)	"Z1"	"W2"	"Z2"
2:1	Tx62	Founded	14.000'	0.437'	10.142'	5.872'	10.142'
3:1	Tx62	Founded	21.000'	-0.922'	15.213'	7.231'	15.213'

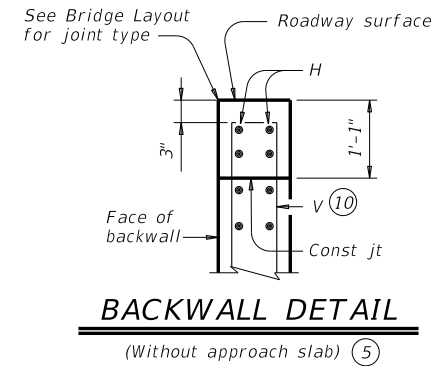
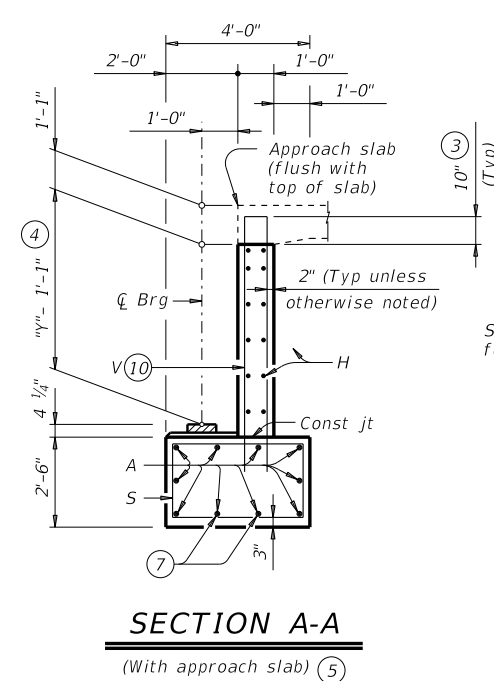


**DETAIL A**



**BEARING SEAT DETAIL**

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



**TABLE OF FOUNDATION LOADS**

Span Length Ft	Girder Type Tx62	
	Tons/Shaft	Tons/Pile
60	68	56
65	71	58
70	75	60
75	78	61
80	81	63
85	84	65
90	88	66
95	91	68
100	94	70
105	97	71
110	100	73
115	103	75
120	107	76
125	110	78
130	113	79
135	116	81

- 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.
- See Detail A on FD standard.
- Field bend as needed to clear piles.
- 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-62-30-15 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.

HL93 LOADING

SHEET 1 OF 2



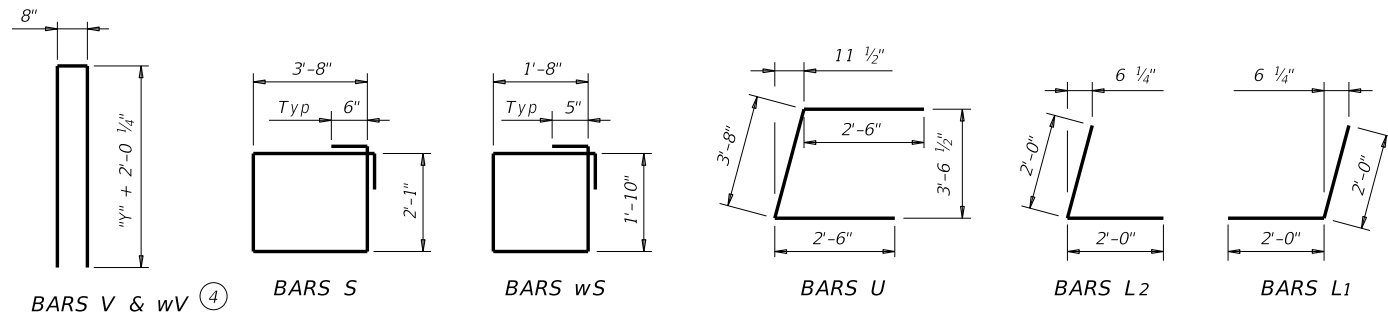
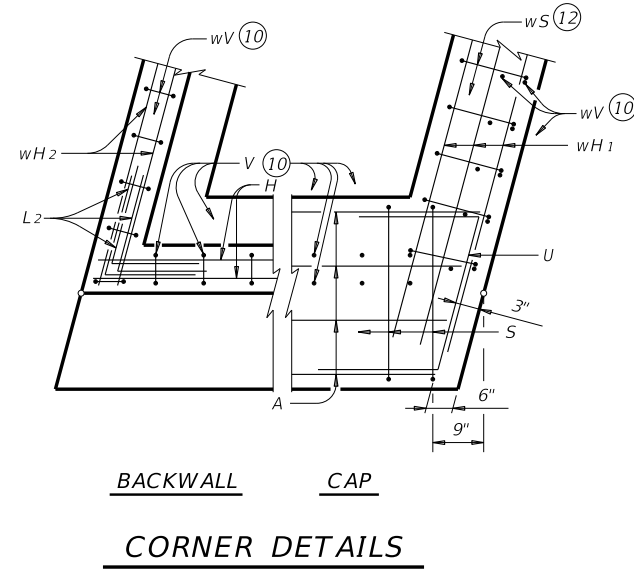
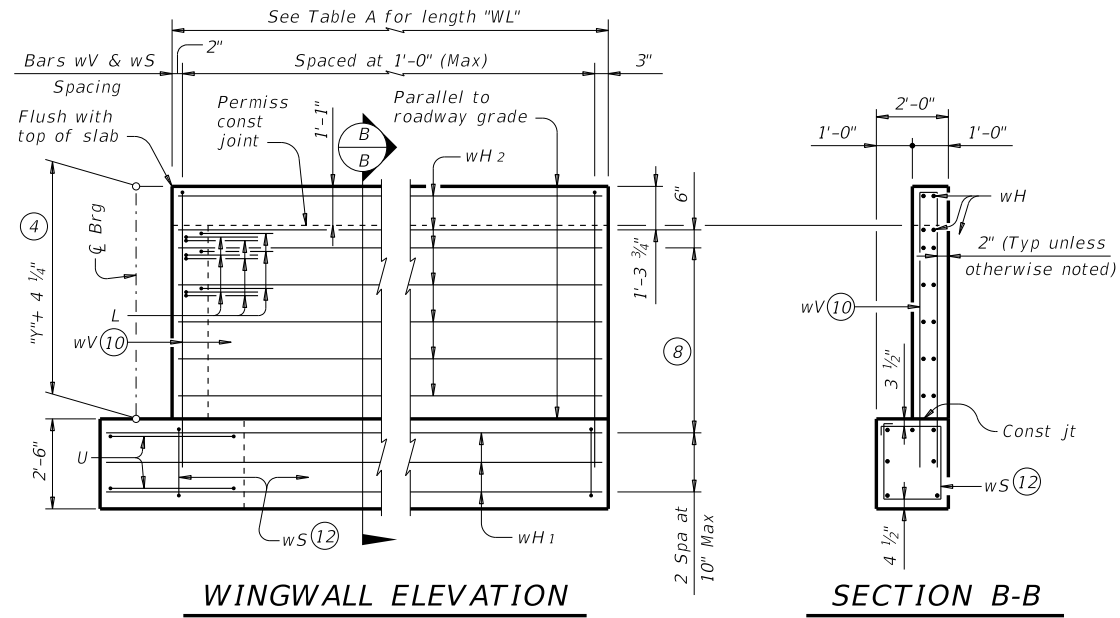
**ABUTMENTS**  
**TYPE TX62**  
**PRESTR CONC I-GIRDERS**  
**30' ROADWAY 15° SKEW**

**AIG-62-30-15**

FILE: IG-AIG623015-17.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	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 1.2 CY Class "C" Concrete and 197 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	10	#11	32'-2"	1,709
D ⑥	2	#9	1'-8"	11
H	12	#6	32'-10"	592
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	30	#5	12'-6"	391
U	4	#6	8'-8"	52
V	32	#5	17'-0"	567
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	5,023
Class "C" Concrete			CY	29.8

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

TYPE Tx62 Girders				
Bar	No.	Size	Length	Weight
A	10	#11	32'-2"	1,709
D ⑥	2	#9	1'-8"	11
H	12	#6	32'-10"	592
L1	9	#6	4'-0"	54
L2	9	#6	4'-0"	54
S	30	#5	12'-6"	391
U	4	#6	8'-8"	52
V	32	#5	17'-0"	567
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	5,786
Class "C" Concrete			CY	35.7

HL93 LOADING

SHEET 2 OF 2



**ABUTMENTS**  
**TYPE TX62**  
**PRESTR CONC I-GIRDERS**  
**30' ROADWAY 15° SKEW**

**AIG-62-30-15**

FILE: IG-AIG623015-17.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR
©TxDOT August 2017	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST		COUNTY	SHEET NO.