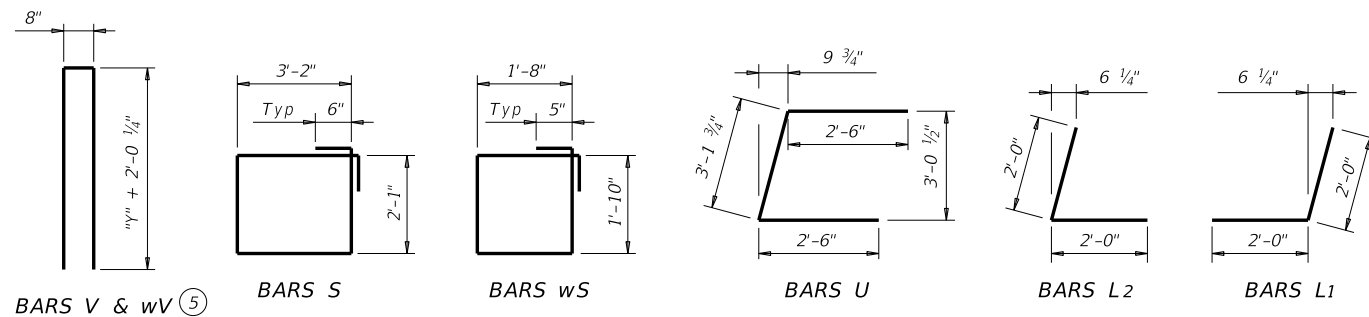
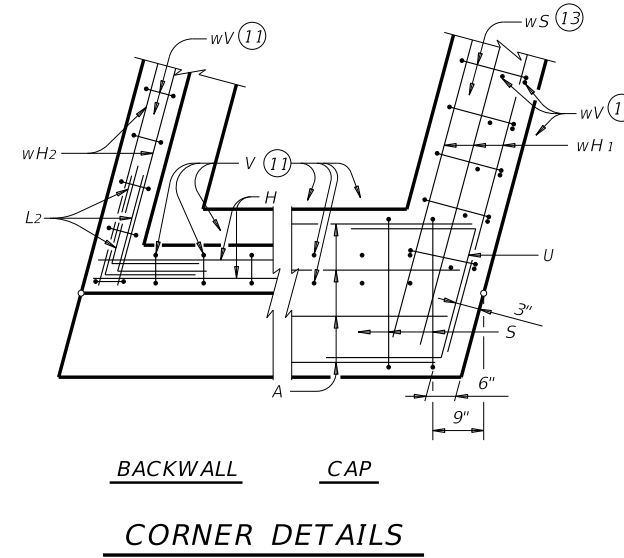
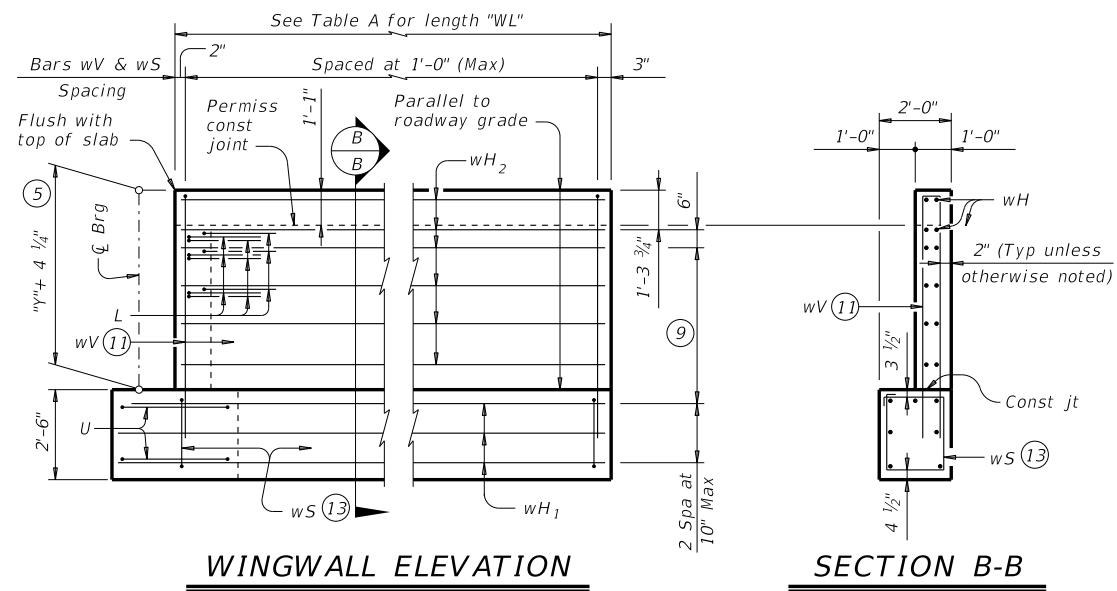


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- ⑤ See Span details for "y" value.
- ⑨ Spacing based on girder type:
Tx28 ~ 3 spaces at 1'-0" Max
Tx34 ~ 3 spaces at 1'-0" Max
Tx40 ~ 4 spaces at 1'-0" Max
Tx46 ~ 4 spaces at 1'-0" Max
Tx54 ~ 5 spaces at 1'-0" Max
- ⑪ Field bend as needed to clear piles.
- ⑬ Adjust as required to avoid piling.

HL93 LOADING

SHEET 2 OF 3

		Bridge Division Standard	
ABUTMENTS TYPE TX28 THRU TX54 PRESTR CONC I-GIRDERS 44' ROADWAY 15° SKEW AIG-44-15			
FILE: IG-AIG4415-23.dgn	DN: TAR	CK: KCM	DW: JTR
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TABLES OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE ⁽¹⁴⁾

TYPE Tx28 Girders					TYPE Tx34 Girders					TYPE Tx40 Girders					TYPE Tx46 Girders					TYPE Tx54 Girders									
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight					
A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475					
D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11					
H	8	#6	47'-3"	568	H	8	#6	47'-3"	568	H	10	#6	47'-3"	710	H	10	#6	47'-3"	710	H	12	#6	47'-3"	852					
L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54					
L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54					
S	58	#5	11'-6"	696	S	58	#5	11'-6"	696	S	58	#5	11'-6"	696	S	58	#5	11'-6"	696	S	58	#5	11'-6"	696					
U	4	#6	8'-2"	49	U	4	#6	8'-2"	49	U	4	#6	8'-2"	49	U	4	#6	8'-2"	49	U	4	#6	8'-2"	49					
V	47	#5	11'-4"	556	V	47	#5	12'-4"	605	V	47	#5	13'-4"	654	V	47	#5	14'-4"	703	V	47	#5	15'-8"	768					
wH1	14	#6	9'-5"	198	wH1	14	#6	10'-5"	219	wH1	14	#6	11'-5"	240	wH1	14	#6	12'-5"	261	wH1	14	#6	14'-5"	303					
wH2	20	#6	7'-8"	230	wH2	20	#6	8'-8"	260	wH2	24	#6	9'-8"	348	wH2	24	#6	10'-8"	385	wH2	28	#6	12'-8"	533					
wS	18	#4	7'-10"	94	wS	20	#4	7'-10"	105	wS	22	#4	7'-10"	115	wS	24	#4	7'-10"	126	wS	28	#4	7'-10"	147					
wV	18	#5	11'-4"	213	wV	20	#5	12'-4"	257	wV	22	#5	13'-4"	306	wV	24	#5	14'-4"	359	wV	28	#5	15'-8"	458					
Reinforcing Steel				Lb	5,198	Reinforcing Steel				Lb	5,353	Reinforcing Steel				Lb	5,712	Reinforcing Steel				Lb	5,883	Reinforcing Steel				Lb	6,400
Class "C" Concrete				CY	24.3	Class "C" Concrete				CY	26.1	Class "C" Concrete				CY	28.0	Class "C" Concrete				CY	30.0	Class "C" Concrete				CY	33.3

TABLES OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE ⁽¹⁴⁾

TYPE Tx28 Girders					TYPE Tx34 Girders					TYPE Tx40 Girders					TYPE Tx46 Girders					TYPE Tx54 Girders									
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight					
A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475	A	10	#11	46'-7"	2,475					
D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11					
H	8	#6	47'-3"	568	H	8	#6	47'-3"	568	H	10	#6	47'-3"	710	H	10	#6	47'-3"	710	H	12	#6	47'-3"	852					
L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54	L1	9	#6	4'-0"	54					
L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54	L2	9	#6	4'-0"	54					
S	58	#5	11'-6"	696	S	58	#5	11'-6"	696	S	58	#5	11'-6"	696	S	58	#5	11'-6"	696	S	58	#5	11'-6"	696					
U	4	#6	8'-2"	49	U	4	#6	8'-2"	49	U	4	#6	8'-2"	49	U	4	#6	8'-2"	49	U	4	#6	8'-2"	49					
V	47	#5	11'-4"	556	V	47	#5	12'-4"	605	V	47	#5	13'-4"	654	V	47	#5	14'-4"	703	V	47	#5	15'-8"	768					
wH1	14	#6	13'-5"	282	wH1	14	#6	15'-5"	324	wH1	14	#6	16'-5"	345	wH1	14	#6	18'-5"	387	wH1	14	#6	20'-5"	429					
wH2	20	#6	11'-8"	350	wH2	20	#6	13'-8"	411	wH2	24	#6	14'-8"	529	wH2	24	#6	16'-8"	601	wH2	28	#6	18'-8"	785					
wS	26	#4	7'-10"	136	wS	30	#4	7'-10"	157	wS	32	#4	7'-10"	167	wS	36	#4	7'-10"	188	wS	40	#4	7'-10"	209					
wV	26	#5	11'-4"	307	wV	30	#5	12'-4"	386	wV	32	#5	13'-4"	445	wV	36	#5	14'-4"	538	wV	40	#5	15'-8"	654					
Reinforcing Steel				Lb	5,538	Reinforcing Steel				Lb	5,790	Reinforcing Steel				Lb	6,189	Reinforcing Steel				Lb	6,466	Reinforcing Steel				Lb	7,036
Class "C" Concrete				CY	26.9	Class "C" Concrete				CY	29.5	Class "C" Concrete				CY	31.6	Class "C" Concrete				CY	34.5	Class "C" Concrete				CY	38.1

⁽⁷⁾ Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.

⁽¹⁴⁾ Quantities shown are for one abutment only (with approach slab). With no approach slab, add 1.8 CY Class "C" concrete and 284 lbs reinforcing steel for 4 additional Bars H.

Texas Department of Transportation		Bridge Division Standard		
<h2 style="margin: 0;">ABUTMENTS</h2> <h3 style="margin: 0;">TYPE TX28 THRU TX54</h3> <h3 style="margin: 0;">PRESTR CONC I-GIRDERS</h3> <h3 style="margin: 0;">44' ROADWAY 15° SKEW</h3> <h2 style="margin: 0;">AIG-44-15</h2>				
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