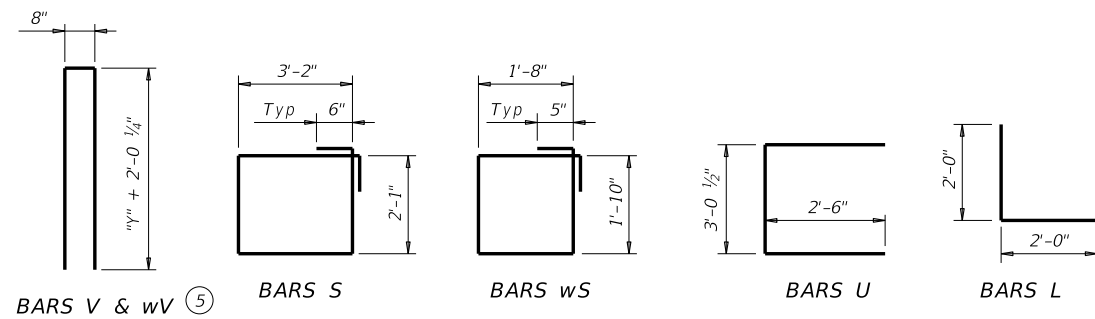
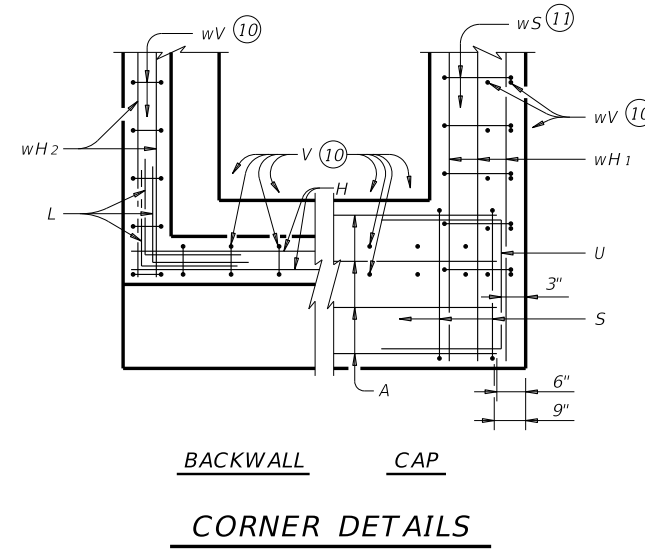
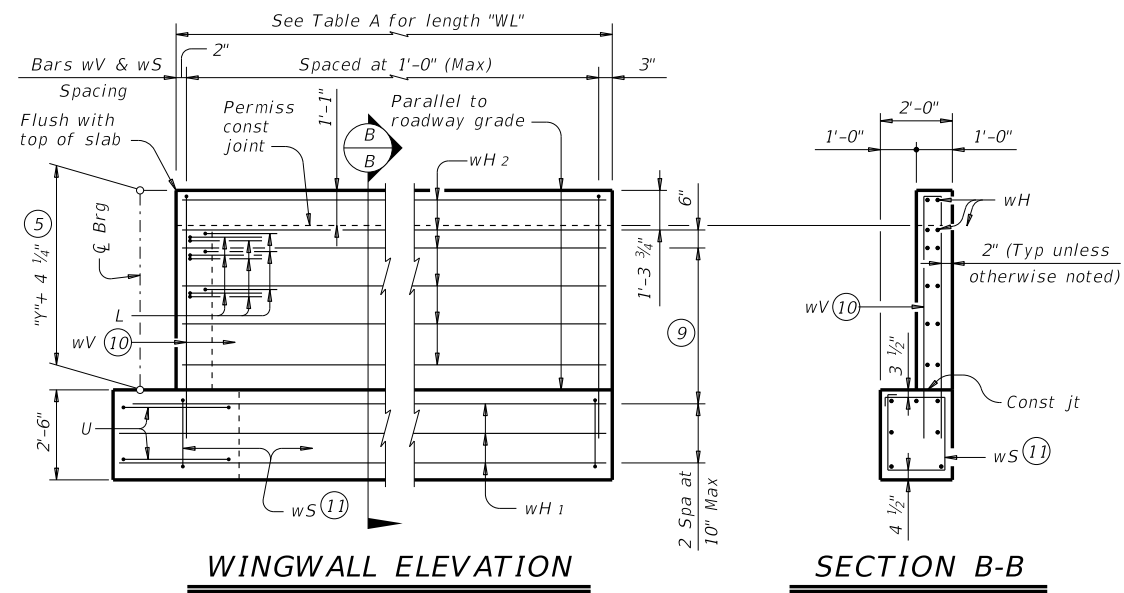


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- ⑤ See Span details for "y" value.
- ⑨ Spacing based on girder type:
Tx28 ~ 3 spaces at 1'-0" Max
Tx34 ~ 3 spaces at 1'-0" Max
Tx40 ~ 4 spaces at 1'-0" Max
Tx46 ~ 4 spaces at 1'-0" Max
Tx54 ~ 5 spaces at 1'-0" Max
- ⑩ Field bend as needed to clear piles.
- ⑪ Adjust as required to avoid piling.

HL93 LOADING

SHEET 2 OF 3



ABUTMENTS
TYPE TX28 THRU TX54
PRESTR CONC I-GIRDERS
38' ROADWAY

AIG-38

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TABLES OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE ⁽¹²⁾

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	39'-0"	2,072	A	10	#11	39'-0"	2,072	A	10	#11	39'-0"	2,072	A	10	#11	39'-0"	2,072	A	10	#11	39'-0"	2,072					
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	39'-8"	477	H	8	#6	39'-8"	477	H	10	#6	39'-8"	596	H	10	#6	39'-8"	596	H	12	#6	39'-8"	715					
L	18	#6	4'-0"	108	L	18	#6	4'-0"	108	L	18	#6	4'-0"	108	L	18	#6	4'-0"	108	L	18	#6	4'-0"	108					
S	45	#5	11'-6"	540	S	45	#5	11'-6"	540	S	45	#5	11'-6"	540	S	45	#5	11'-6"	540	S	45	#5	11'-6"	540					
U	4	#6	8'-1"	49	U	4	#6	8'-1"	49	U	4	#6	8'-1"	49	U	4	#6	8'-1"	49	U	4	#6	8'-1"	49					
V	39	#5	11'-4"	461	V	39	#5	12'-4"	502	V	39	#5	13'-4"	542	V	39	#5	14'-4"	583	V	39	#5	15'-8"	637					
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	13'-5"	282					
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	11'-8"	491					
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	26	#4	7'-10"	136					
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	26	#5	15'-8"	425					
Reinforcing Steel				Lb	4,453	Reinforcing Steel				Lb	4,600	Reinforcing Steel				Lb	4,927	Reinforcing Steel				Lb	5,090	Reinforcing Steel				Lb	5,466
Class "C" Concrete				CY	21.1	Class "C" Concrete				CY	22.8	Class "C" Concrete				CY	24.5	Class "C" Concrete				CY	26.3	Class "C" Concrete				CY	28.6

TABLES OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE ⁽¹²⁾

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	39'-0"	2,072	A	10	#11	39'-0"	2,072	A	10	#11	39'-0"	2,072	A	10	#11	39'-0"	2,072	A	10	#11	39'-0"	2,072					
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	39'-8"	477	H	8	#6	39'-8"	477	H	10	#6	39'-8"	596	H	10	#6	39'-8"	596	H	12	#6	39'-8"	715					
L	18	#6	4'-0"	108	L	18	#6	4'-0"	108	L	18	#6	4'-0"	108	L	18	#6	4'-0"	108	L	18	#6	4'-0"	108					
S	45	#5	11'-6"	540	S	45	#5	11'-6"	540	S	45	#5	11'-6"	540	S	45	#5	11'-6"	540	S	45	#5	11'-6"	540					
U	4	#6	8'-1"	49	U	4	#6	8'-1"	49	U	4	#6	8'-1"	49	U	4	#6	8'-1"	49	U	4	#6	8'-1"	49					
V	39	#5	11'-4"	461	V	39	#5	12'-4"	502	V	39	#5	13'-4"	542	V	39	#5	14'-4"	583	V	39	#5	15'-8"	637					
wH1	14	#6	13'-5"	282	wH1	14	#6	14'-5"	303	wH1	14	#6	16'-5"	345	wH1	14	#6	17'-5"	366	wH1	14	#6	19'-5"	408					
wH2	20	#6	11'-8"	350	wH2	20	#6	12'-8"	381	wH2	24	#6	14'-8"	529	wH2	24	#6	15'-8"	565	wH2	28	#6	17'-8"	743					
wS	26	#4	7'-10"	136	wS	28	#4	7'-10"	147	wS	32	#4	7'-10"	167	wS	34	#4	7'-10"	178	wS	38	#4	7'-10"	199					
wV	26	#5	11'-4"	307	wV	28	#5	12'-4"	360	wV	32	#5	13'-4"	445	wV	34	#5	14'-4"	508	wV	38	#5	15'-8"	621					
Reinforcing Steel				Lb	4,793	Reinforcing Steel				Lb	4,950	Reinforcing Steel				Lb	5,404	Reinforcing Steel				Lb	5,576	Reinforcing Steel				Lb	6,103
Class "C" Concrete				CY	23.7	Class "C" Concrete				CY	25.5	Class "C" Concrete				CY	28.1	Class "C" Concrete				CY	30.1	Class "C" Concrete				CY	33.4

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

⁽¹²⁾ Quantities shown are for one abutment only (with approach slab). With no approach slab, add 1.5 CY Class "C" concrete and 238 lbs reinforcing steel for 4 additional Bars H.



ABUTMENTS TYPE TX28 THRU TX54 PRESTR CONC I-GIRDERS 38' ROADWAY

AIG-38

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