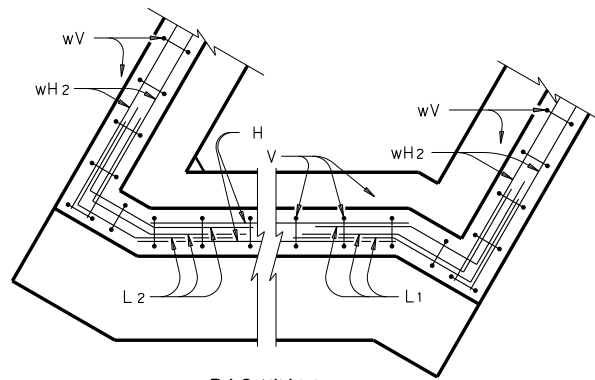
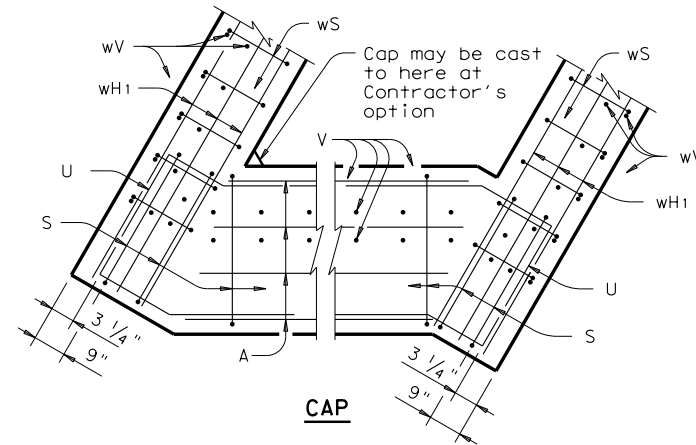




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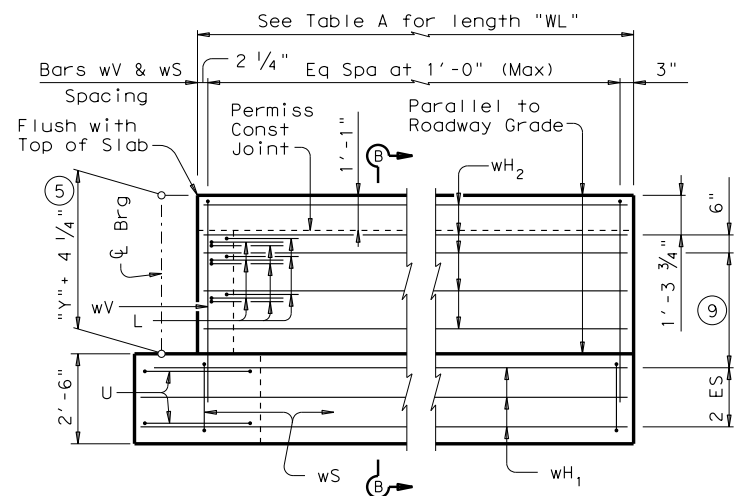


**BACKWALL**

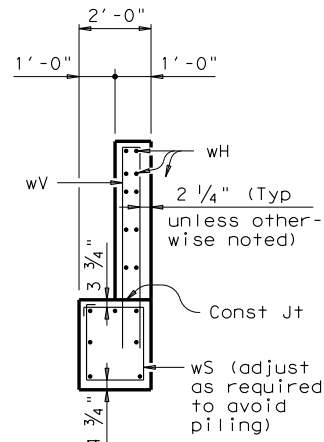


**CAP**

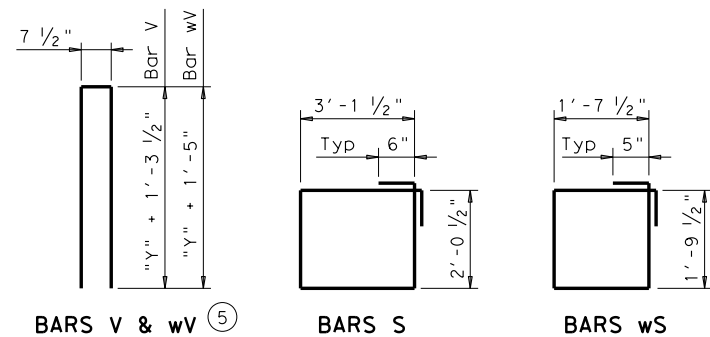
**CORNER DETAILS**



**WINGWALL ELEVATION**



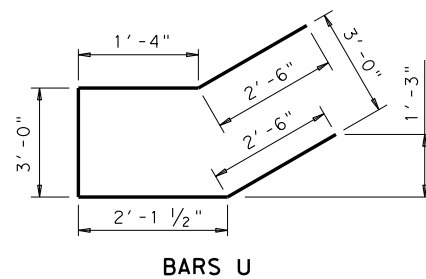
**SECTION B-B**



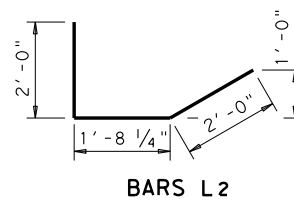
**BARS V & wV** ⑤

**BARS S**

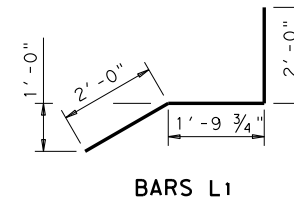
**BARS wS**



**BARS U**



**BARS L2**



**BARS L1**

**TABLES OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE ⑬**

TYPE 5XB20 BEAMS					TYPE 5XB28 BEAMS					TYPE 5XB34 BEAMS					TYPE 5XB40 BEAMS								
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight				
A	10	#11	48'-6"	2,577	A	10	#11	48'-6"	2,577	A	10	#11	48'-6"	2,577	A	10	#11	48'-6"	2,577				
D ⑦	2	1 1/4"D	1'-8"	14	D ⑦	2	1 1/4"D	1'-8"	14	D ⑦	2	1 1/4"D	1'-8"	14	D ⑦	2	1 1/4"D	1'-8"	14				
H	6	#6	48'-6"	437	H	8	#6	48'-6"	583	H	8	#6	48'-6"	583	H	8	#6	48'-6"	583				
L1	9	#6	5'-10"	79	L1	9	#6	5'-10"	79	L1	9	#6	5'-10"	79	L1	9	#6	5'-10"	79				
L2	9	#6	5'-8"	77	L2	9	#6	5'-8"	77	L2	9	#6	5'-8"	77	L2	9	#6	5'-8"	77				
S	48	#5	11'-4"	567	S	48	#5	11'-4"	567	S	48	#5	11'-4"	567	S	48	#5	11'-4"	567				
U	4	#6	11'-6"	69	U	4	#6	11'-6"	69	U	4	#6	11'-6"	69	U	4	#6	11'-6"	69				
V	51	#5	8'-5"	448	V	51	#5	9'-9"	519	V	51	#5	10'-9"	572	V	51	#5	11'-9"	625				
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	16	#6	8'-8"	208	wH2	20	#6	9'-8"	290	wH2	20	#6	10'-8"	320	wH2	20	#6	11'-8"	350				
wS	20	#4	7'-8"	102	wS	22	#4	7'-8"	113	wS	24	#4	7'-8"	123	wS	26	#4	7'-8"	133				
wV	20	#5	8'-8"	181	wV	22	#5	10'-0"	229	wV	24	#5	11'-0"	275	wV	26	#5	12'-0"	325				
Reinforcing Steel				Lb	4,978	Reinforcing Steel				Lb	5,357	Reinforcing Steel				Lb	5,517	Reinforcing Steel				Lb	5,681
Class "C" Concrete				CY	25.4	Class "C" Concrete				CY	27.7	Class "C" Concrete				CY	29.7	Class "C" Concrete				CY	31.7

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

TYPE 5XB20 BEAMS					TYPE 5XB28 BEAMS					TYPE 5XB34 BEAMS					TYPE 5XB40 BEAMS								
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight				
A	10	#11	48'-6"	2,577	A	10	#11	48'-6"	2,577	A	10	#11	48'-6"	2,577	A	10	#11	48'-6"	2,577				
D ⑦	2	1 1/4"D	1'-8"	14	D ⑦	2	1 1/4"D	1'-8"	14	D ⑦	2	1 1/4"D	1'-8"	14	D ⑦	2	1 1/4"D	1'-8"	14				
H	6	#6	48'-6"	437	H	8	#6	48'-6"	583	H	8	#6	48'-6"	583	H	8	#6	48'-6"	583				
L1	9	#6	5'-10"	79	L1	9	#6	5'-10"	79	L1	9	#6	5'-10"	79	L1	9	#6	5'-10"	79				
L2	9	#6	5'-8"	77	L2	9	#6	5'-8"	77	L2	9	#6	5'-8"	77	L2	9	#6	5'-8"	77				
S	48	#5	11'-4"	567	S	48	#5	11'-4"	567	S	48	#5	11'-4"	567	S	48	#5	11'-4"	567				
U	4	#6	11'-6"	69	U	4	#6	11'-6"	69	U	4	#6	11'-6"	69	U	4	#6	11'-6"	69				
V	51	#5	8'-5"	448	V	51	#5	9'-9"	519	V	51	#5	10'-9"	572	V	51	#5	11'-9"	625				
wH1	14	#6	13'-5"	282	wH1	14	#6	15'-5"	324	wH1	14	#6	17'-5"	366	wH1	14	#6	19'-5"	408				
wH2	16	#6	11'-8"	280	wH2	20	#6	13'-8"	411	wH2	20	#6	15'-8"	471	wH2	20	#6	17'-8"	531				
wS	26	#4	7'-8"	133	wS	30	#4	7'-8"	154	wS	34	#4	7'-8"	174	wS	38	#4	7'-8"	195				
wV	26	#5	8'-8"	235	wV	30	#5	10'-0"	313	wV	34	#5	11'-0"	390	wV	38	#5	12'-0"	476				
Reinforcing Steel				Lb	5,198	Reinforcing Steel				Lb	5,687	Reinforcing Steel				Lb	5,939	Reinforcing Steel				Lb	6,201
Class "C" Concrete				CY	27.1	Class "C" Concrete				CY	30.2	Class "C" Concrete				CY	33.0	Class "C" Concrete				CY	36.0

- ⑤ See Span details for "Y" value.
- ⑦ Omit Dowels D at end of unit. Deduct 14 lbs from reinforcing steel total.
- ⑨ Spacing based on beam type:  
 XB20 ~ 2 Equal Spaces  
 XB28 ~ 3 Equal Spaces  
 XB34 ~ 3 Equal Spaces  
 XB40 ~ 3 Equal Spaces
- ⑬ Quantities shown are for one Abutment only (with Approach Slab). With no Approach Slab, add 2.0 CY Class "C" Concrete and 291 Lbs Reinforcing Steel for 4 additional H bars.



**ABUTMENTS**  
 TYPE 5XB20 THRU 5XB40  
 PRESTR CONC X-BEAMS  
 44' ROADWAY 30° SKEW

**AXB-44-30**

FILE: xbstde73.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
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