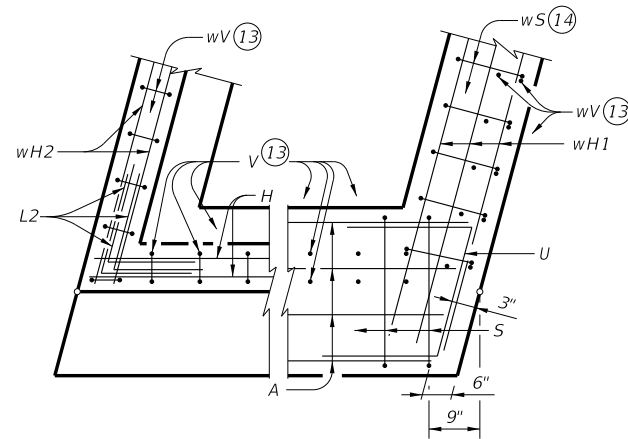
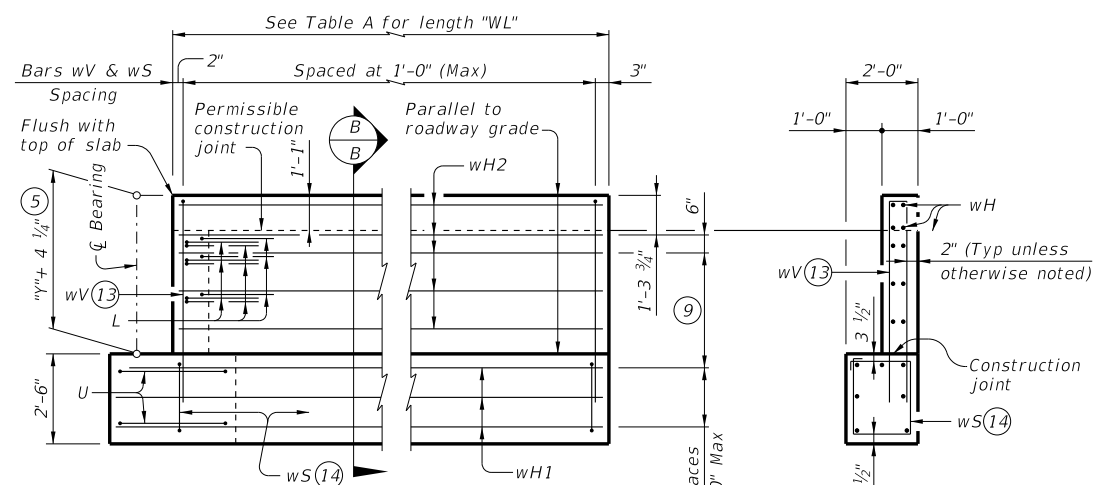


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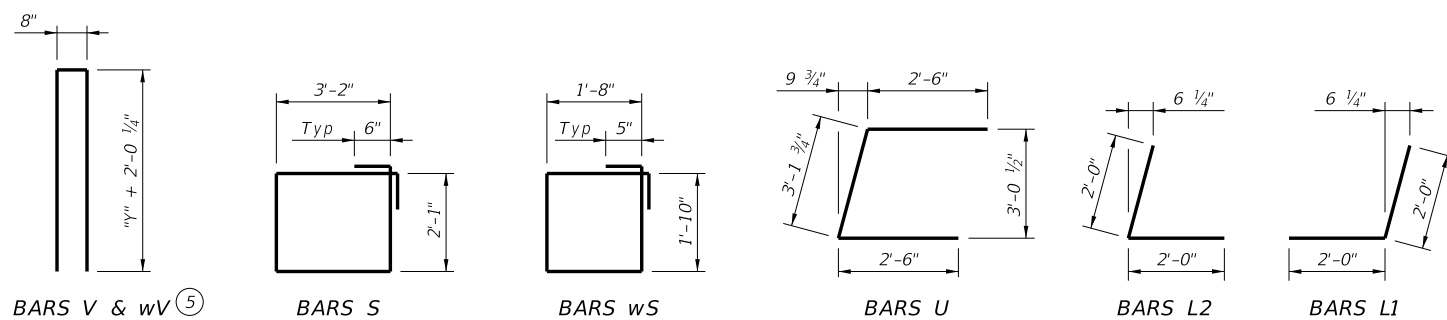


BACKWALL CAP
CORNER DETAILS



WINGWALL ELEVATION

SECTION B-B



BARS V & wV BARS S BARS wS BARS U BARS L2 BARS L1

TABLES OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE (15)

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	34'-3"	1,820	A	10	#11	34'-3"	1,820	A	10	#11	34'-3"	1,820	A	10	#11	34'-3"	1,820				
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	6	#6	34'-10"	314	H	8	#6	34'-10"	419	H	8	#6	34'-10"	419	H	8	#6	34'-10"	419				
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				
S	32	#5	11'-6"	384	S	32	#5	11'-6"	384	S	32	#5	11'-6"	384	S	32	#5	11'-6"	384				
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	34	#5	10'-0"	355	V	34	#5	11'-4"	402	V	34	#5	12'-4"	437	V	34	#5	13'-4"	473				
wH1	14	#6	8'-5"	177	wH1	14	#6	9'-5"	198	wH1	14	#6	10'-5"	219	wH1	14	#6	11'-5"	240				
wH2	16	#6	6'-8"	160	wH2	20	#6	7'-8"	230	wH2	20	#6	8'-8"	260	wH2	20	#6	9'-8"	290				
wS	16	#4	7'-10"	84	wS	18	#4	7'-10"	94	wS	20	#4	7'-10"	105	wS	22	#4	7'-10"	115				
wV	16	#5	10'-0"	167	wV	18	#5	11'-4"	213	wV	20	#5	12'-4"	257	wV	22	#5	13'-4"	306				
Reinforcing Steel				Lb	3,629	Reinforcing Steel				Lb	3,928	Reinforcing Steel				Lb	4,069	Reinforcing Steel				Lb	4,215
Class "C" Concrete				CY	17.4	Class "C" Concrete				CY	19.2	Class "C" Concrete				CY	20.8	Class "C" Concrete				CY	22.4

TABLES OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE (15)

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	34'-3"	1,820	A	10	#11	34'-3"	1,820	A	10	#11	34'-3"	1,820	A	10	#11	34'-3"	1,820				
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	6	#6	34'-10"	314	H	8	#6	34'-10"	419	H	8	#6	34'-10"	419	H	8	#6	34'-10"	419				
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				
S	32	#5	11'-6"	384	S	32	#5	11'-6"	384	S	32	#5	11'-6"	384	S	32	#5	11'-6"	384				
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	34	#5	10'-0"	355	V	34	#5	11'-4"	402	V	34	#5	12'-4"	437	V	34	#5	13'-4"	473				
wH1	14	#6	11'-5"	240	wH1	14	#6	13'-5"	282	wH1	14	#6	15'-5"	324	wH1	14	#6	16'-5"	345				
wH2	16	#6	9'-8"	232	wH2	20	#6	11'-8"	350	wH2	20	#6	13'-8"	411	wH2	20	#6	14'-8"	441				
wS	22	#4	7'-10"	115	wS	26	#4	7'-10"	136	wS	30	#4	7'-10"	157	wS	32	#4	7'-10"	167				
wV	22	#5	10'-0"	229	wV	26	#5	11'-4"	307	wV	30	#5	12'-4"	386	wV	32	#5	13'-4"	445				
Reinforcing Steel				Lb	3,857	Reinforcing Steel				Lb	4,268	Reinforcing Steel				Lb	4,506	Reinforcing Steel				Lb	4,662
Class "C" Concrete				CY	19.2	Class "C" Concrete				CY	21.8	Class "C" Concrete				CY	24.2	Class "C" Concrete				CY	26.0

- (5) See Span Details for "Y" value.
- (7) Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.
- (9) Spacing based on beam type:
XB20 ~ 2 spaces at 1'-0" Max
XB28 ~ 3 spaces at 1'-0" Max
XB34 ~ 3 spaces at 1'-0" Max
XB40 ~ 3 spaces at 1'-0" Max
- (13) Field bend as needed to clear piles.
- (14) Adjust as required to avoid piling.
- (15) Quantities shown are for one abutment only (with approach slab.) With no approach slab, add 1.3 CY Class C concrete and 209 lbs of reinforcing steel for 4 additional H bars.



ABUTMENTS
PRESTR CONC X-BEAMS
(TYPE 5XB20 THROUGH 5XB40)
32' ROADWAY 15° SKEW
AXB-32-15

FILE: XB-AXB3215-22.dgn	DN: BMP	CK: EFC	DW: JER	CK: BMP
©TxDOT August 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY	SHEET NO.	

DATE: FILE: