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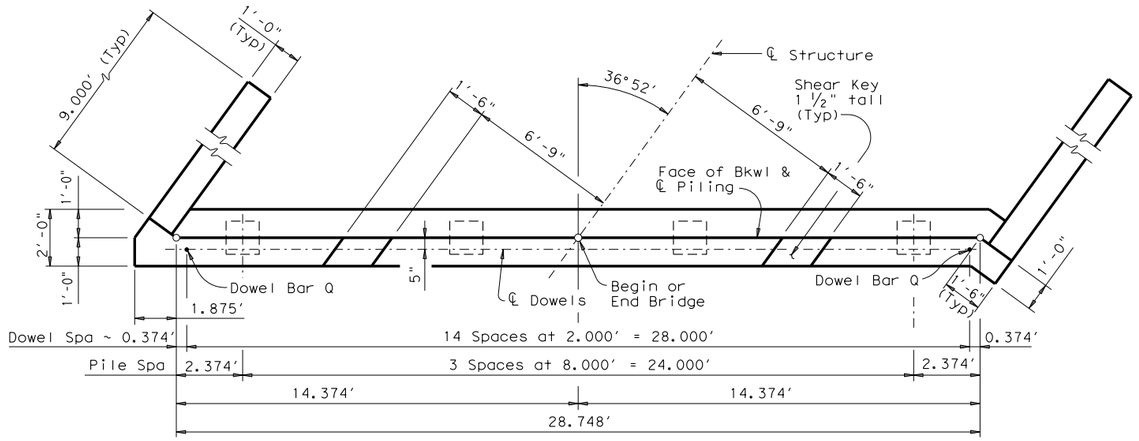
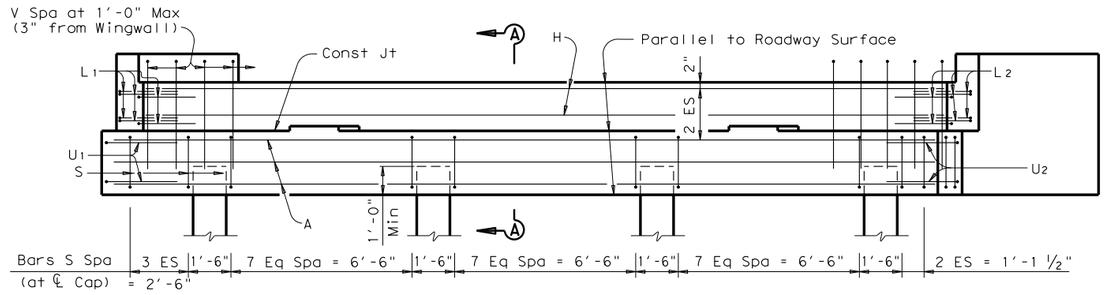
DATE:
FILE:

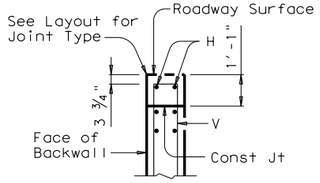


PLAN



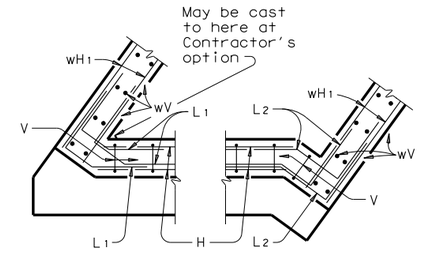
ELEVATION

Note: For piling larger than 16", adjust Bars S and/or strip back piling as required to clear cap reinforcing.

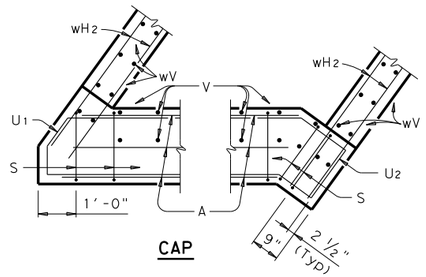


BACKWALL DETAIL ③

(Without Approach Slab)

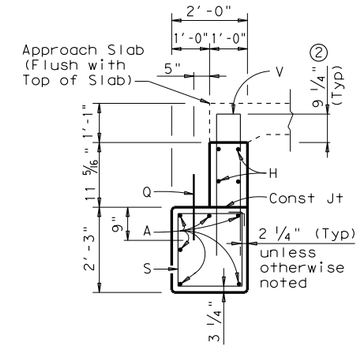


BACKWALL



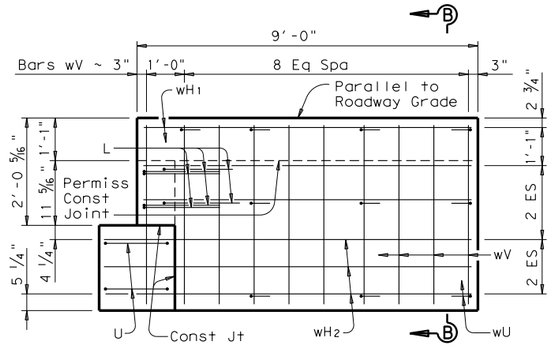
CAP

CORNER DETAILS

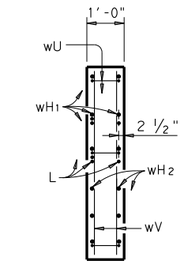


SECTION A-A ③

(With Approach Slab)



WINGWALL ELEVATION



SECTION B-B

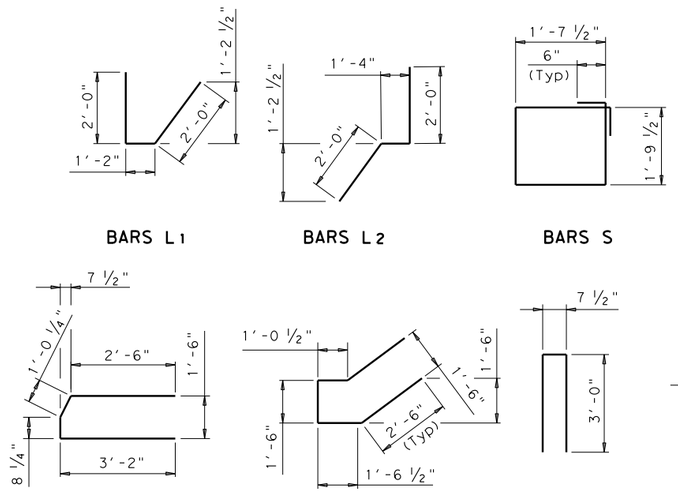


TABLE OF ESTIMATED QUANTITIES ①

Bar	No.	Size	Length	Weight
A	6	#11	29'- 7"	943
H	4	# 5	28'- 9"	120
L1	6	# 6	5'- 2"	47
L2	6	# 6	5'- 4"	48
Q	15	# 6	1'- 6"	34
S	33	# 5	7'-10"	270
U1	2	# 6	7'- 4"	22
U2	2	# 6	9'- 1"	27
V	31	# 5	6'- 8"	216
wH1	12	# 6	8'- 8"	156
wH2	12	# 6	9'- 8"	174
wU	20	# 4	1'- 7"	21
wV	40	# 5	3'-11"	163
Reinforcing Steel			Lb	2,241
Class "C" Concrete			CY	9.2

① Quantities shown are for one Abutment only (with Approach Slab). With no Approach Slab, add 1.2 CY Class "C" concrete and 60 Lbs Reinforcing Steel for 2 additional H Bars.

② Increase as required to maintain 3 ¾" from Finished Grade.

③ See Layout to determine if Approach Slab is present.

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.
Details shown are for right forward skew. See layout for actual skew direction.
All cap and wall reinforcing shall be Grade 60.
Concrete strength f'c = 3,600 psi.
Designed for normal embankment header slope of 3:1.
See Layout for foundation type, size and length.
See standard FD for foundation details and notes.
See standard CRR for riprap attachment details, if applicable.
See rail details for rail anchorage cast in wingwalls.
Calculated Foundation Load: 32 Tons/Pile

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

ABUT FOR 30'-4" CONC SLAB AND GIRDER SPANS (PILES) 24 FT ROADWAY

ACGP-30-24(36°52')

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REVISIONS	DIST	COUNTY		SHEET NO.