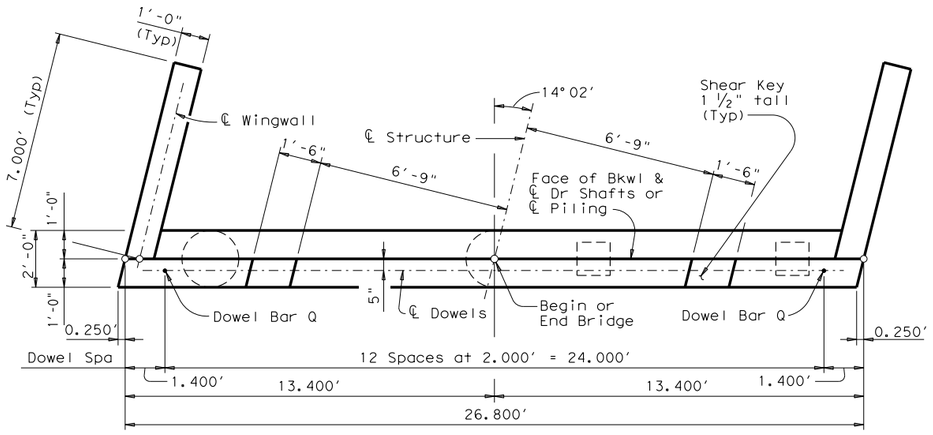
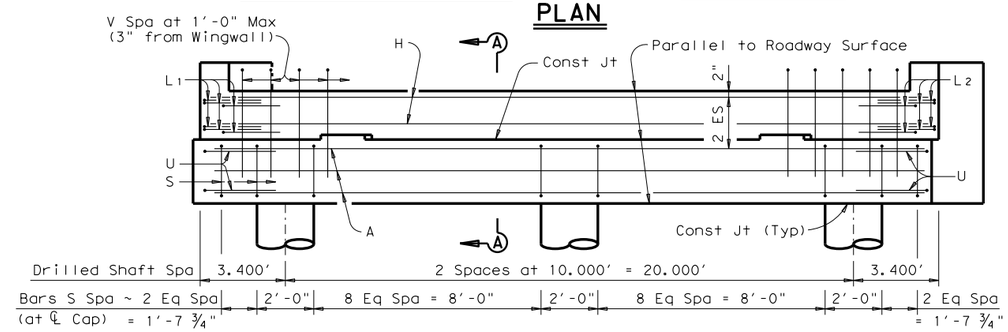
DATE:
FILE:

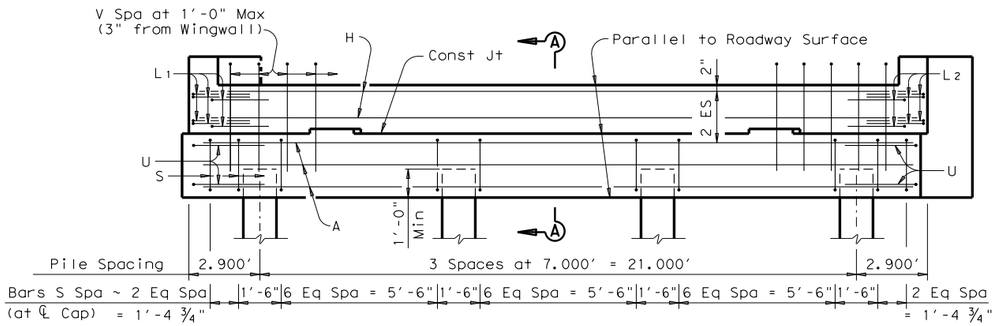


SHOWING DRILLED SHAFTS SHOWING PILES

PLAN

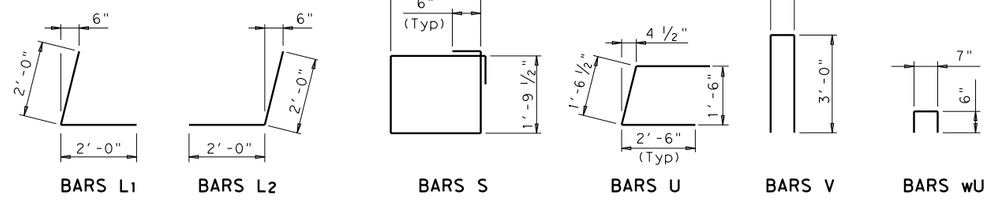


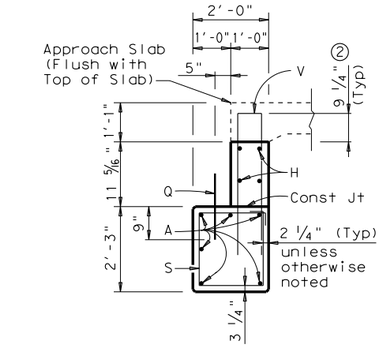
ELEVATION ~ DRILLED SHAFT ABUTMENT



ELEVATION ~ PILING ABUTMENT

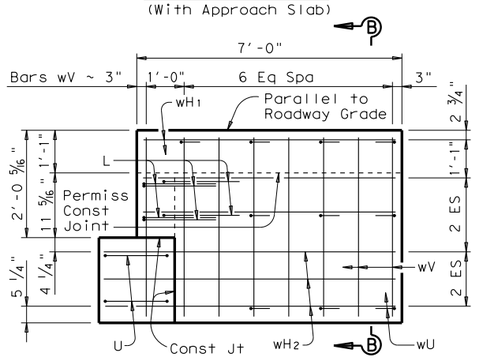
Note: For piling larger than 16", adjust Bars S and/or strip back piling as required to clear cap reinforcing.



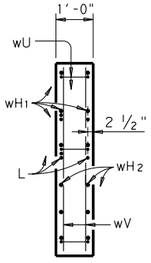


SECTION A-A ③

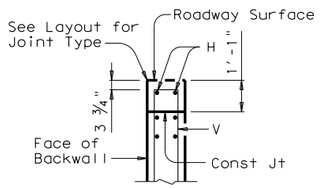
(With Approach Slab)



WINGWALL ELEVATION

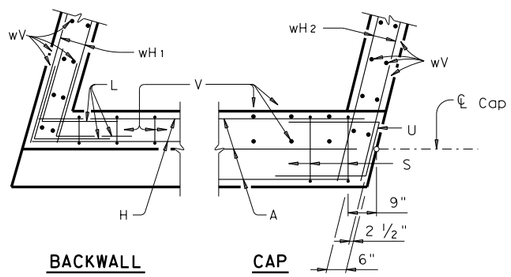


SECTION B-B



BACKWALL DETAIL ③

(Without Approach Slab)



CORNER DETAILS

TABLE OF ESTIMATED QUANTITIES ①

DRILLED SHAFT ABUT				
Bar	No.	Size	Length	Weight
A	6	#11	25'-10"	824
H	4	# 5	26'- 6"	111
L1	6	# 6	4'- 0"	36
L2	6	# 6	4'- 0"	36
Q	13	# 6	1'- 6"	29
S	24	# 5	7'-10"	196
U	4	# 6	6'- 7"	40
V	26	# 5	6'- 8"	181
wH1	12	# 6	6'- 8"	120
wH2	12	# 6	7'- 8"	138
wU	20	# 4	1'- 7"	21
wV	32	# 5	3'-11"	131
Reinforcing Steel		Lb		1,863
Class "C" Concrete		CY		7.4

PILING ABUTMENT				
Bar	No.	Size	Length	Weight
A	6	#11	25'-10"	824
H	4	# 5	26'- 6"	111
L1	6	# 6	4'- 0"	36
L2	6	# 6	4'- 0"	36
Q	13	# 6	1'- 6"	29
S	27	# 5	7'-10"	221
U	4	# 6	6'- 7"	40
V	26	# 5	6'- 8"	181
wH1	12	# 6	6'- 8"	120
wH2	12	# 6	7'- 8"	138
wU	20	# 4	1'- 7"	21
wV	32	# 5	3'-11"	131
Reinforcing Steel		Lb		1,888
Class "C" Concrete		CY		7.4

① Quantities shown are for one Abutment only (with Approach Slab). With no Approach Slab, add 1.0 CY Class "C" concrete and 55 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 Loads: 39 Tons/Drilled Shaft
29 Tons/Pile

HL93 LOADING

Texas Department of Transportation | Bridge Division Standard

ABUT FOR 30'-4" CONC SLAB AND GIRDER SPANS

24 FT ROADWAY

ACG-30-24(14°02')

FILE: acg02ste.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT October 2005 REVISIONS	CONT	SECT	JOB	HIGHWAY
	DIST	COUNTY		SHEET NO.