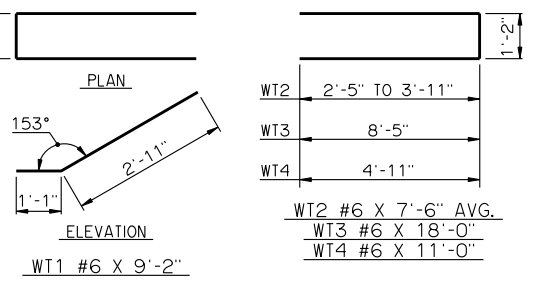
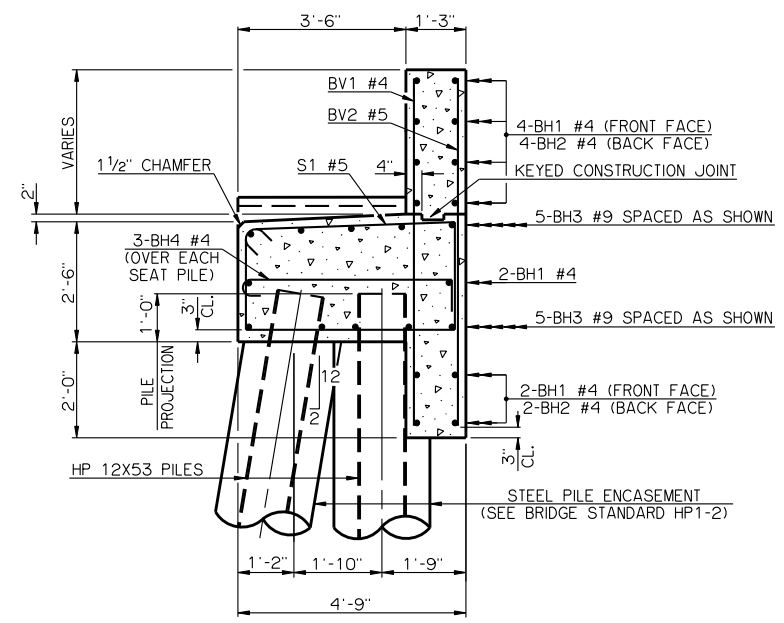
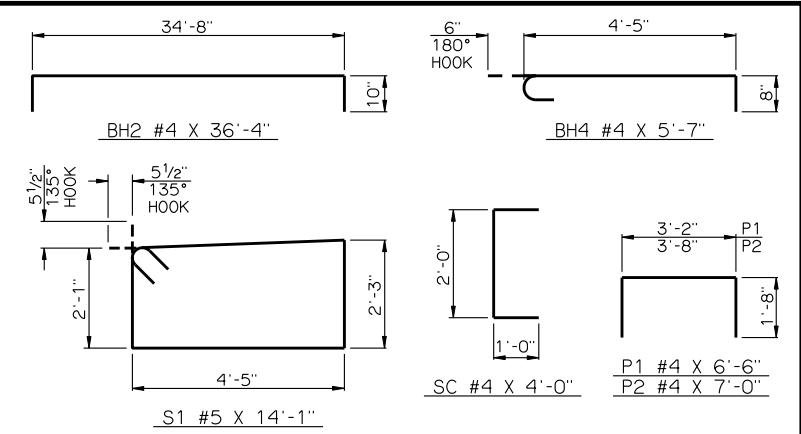


SPAN	MAXIMUM FACTORED PILE LOAD
30'	57.2 TON
35'	60.5 TON
40'	63.6 TON
45'	66.6 TON
50'	69.6 TON

PEDESTAL DIMENSIONS		
SPAN	P1	P2
30'	7 ⁷ / ₁₆ "	9 ⁹ / ₈ "
35'	7 ⁷ / ₁₆ "	9 ⁹ / ₈ "
40'	7 ¹ / ₄ "	9 ⁷ / ₁₆ "
45'	4 ⁷ / ₁₆ "	6 ⁹ / ₈ "
50'	2"	4 ³ / ₁₆ "



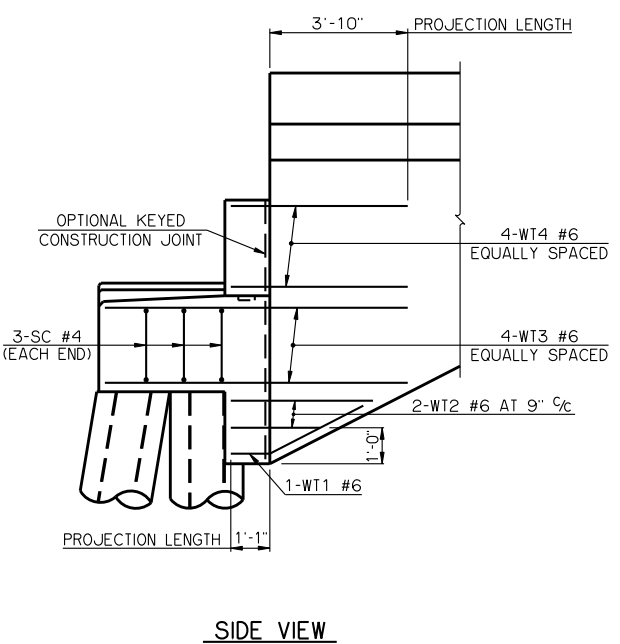
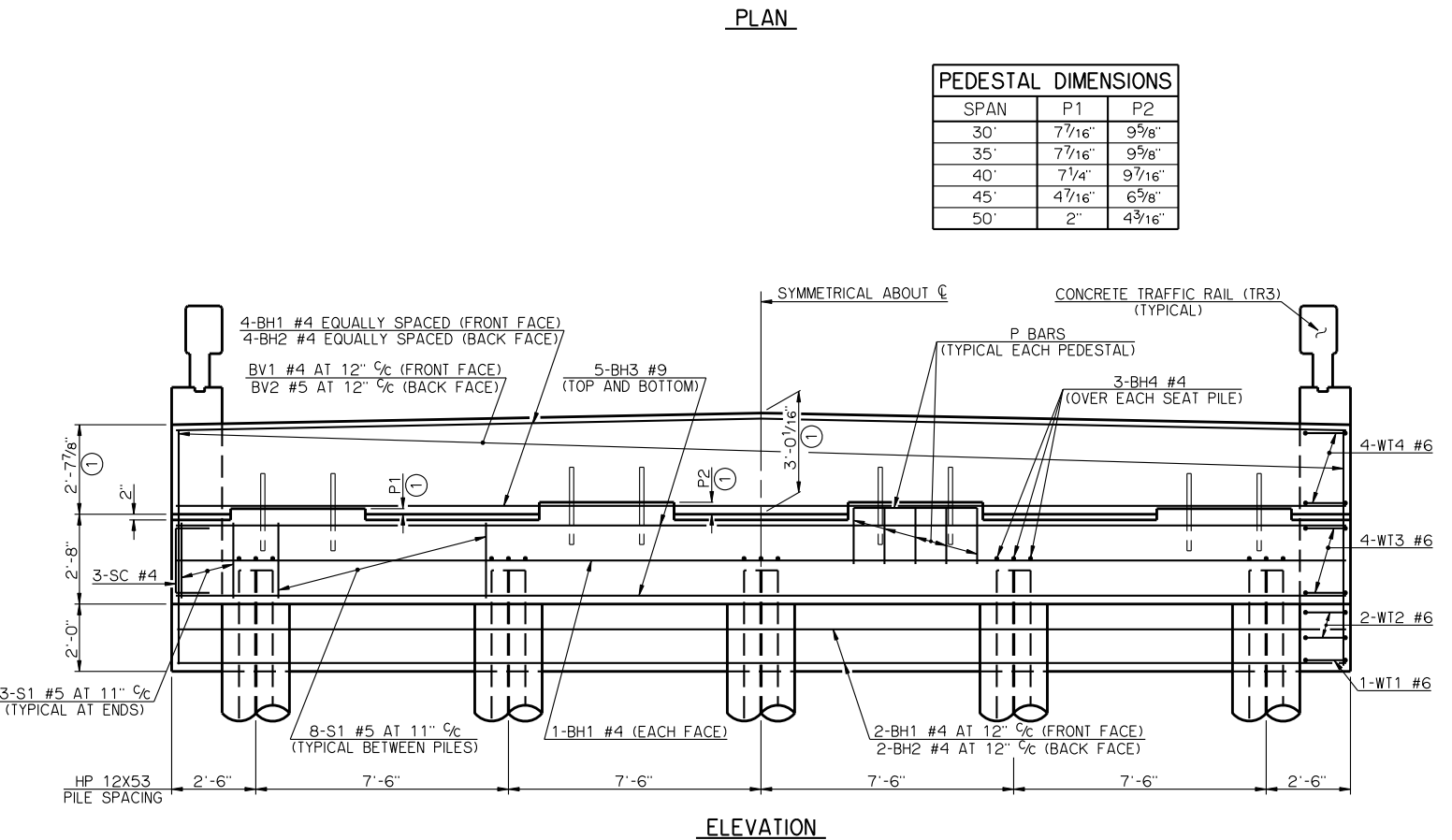
DETAILS OF BENT REINFORCING STEEL

BAR LIST - ONE ABUTMENT					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
BH1	8	#4	STR.	34'-8"	-
BH2	6	#4	BNT.	36'-4"	-
BH3	10	#9	STR.	34'-8"	-
BH4	15	#4	BNT.	5'-7"	-
BV1	36	#4	STR.	7'-1" AVG.	6'-11" TO 7'-3"
BV2	36	#5	STR.	7'-1" AVG.	6'-11" TO 7'-3"
P1	20	#4	BNT.	6'-6"	-
P2	16	#4	BNT.	7'-0"	-
S1	38	#5	BNT.	14'-1"	-
SC	6	#4	BNT.	4'-0"	-
WT1	2	#6	BNT.	9'-2"	-
WT2	4	#6	BNT.	7'-6" AVG.	6'-0" TO 9'-0"
WT3	8	#6	BNT.	18'-0"	-
WT4	8	#6	BNT.	11'-0"	-

③ NO. INCLUDES TWO SETS OF 18 BARS
 ④ NO. INCLUDES TWO SETS OF 2 BARS

SUMMARY OF QUANTITIES - ONE ABUTMENT ⑤		
ITEM	UNIT	TOTAL
SUBSTRUCTURE EXCAVATION, COMMON	CY	65.00
GRANULAR BACKFILL	CY	33.00
CLASS A CONCRETE	CY	25.60
REINFORCING STEEL	LB	3,160.00
PILES, FURNISHED (HP 12X53)	LF	-
PILES, DRIVEN (HP 12X53)	LF	-
6" PERFORATED PIPE UNDERDRAIN	LF	32.00
6" NON-PERFORATED PIPE UNDERDRAIN	LF	-

⑤ EXCLUDES WINGS
 ① DIMENSIONS ARE FROM TOP OF BRIDGE SEAT AT FRONT FACE OF BACKWALL.
 ② ALL WT WING REINFORCING STEEL TIED TO THE ABUTMENT BRIDGE SEAT, BACKWALL AND CURTAIN WALL REINFORCING STEEL MUST BE IN PLACE PRIOR TO POURING ABUTMENT CONCRETE. FOR ADDITIONAL INFORMATION SEE WING DETAILS.



APPROVED BY BRIDGE ENGINEER *Robert J. Dush* DATE 10-31-2011
 OKLAHOMA DEPARTMENT OF TRANSPORTATION
 COUNTY BRIDGE STANDARD (ENGLISH)
ABUTMENT DETAILS
30' THRU 50' ROLLED BEAMS
 32' CLEAR ROADWAY - CONVENTIONAL - SKEWED 0°
 2009 SPECIFICATIONS CB32-C-SKO-ABUT-RB-3050 02E
 CB-528E