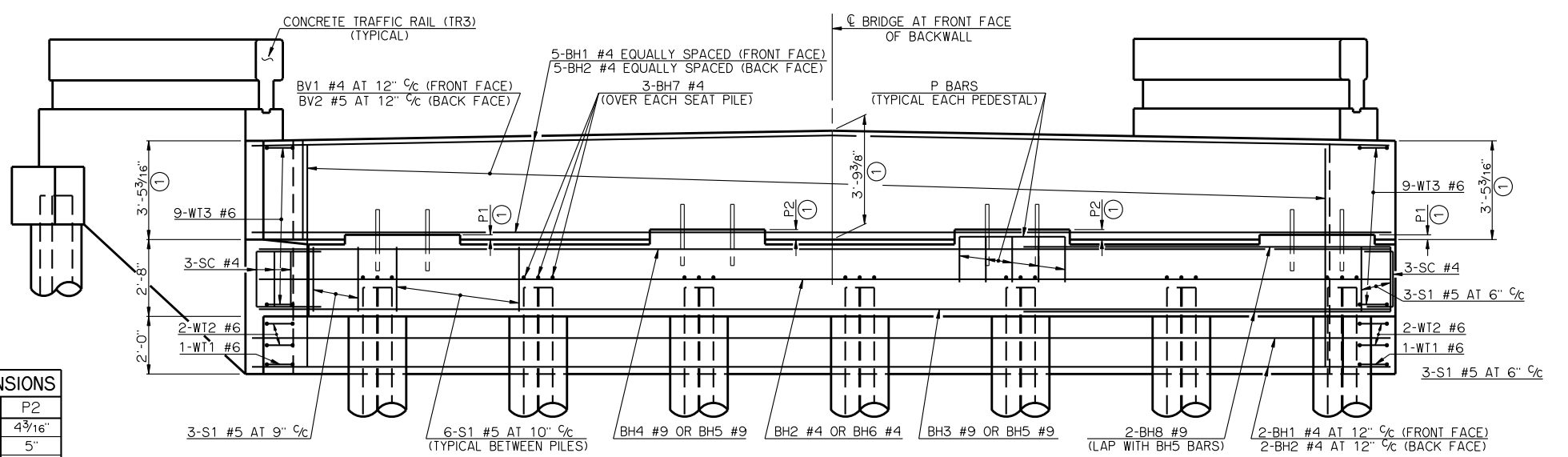


**PLAN**  
LEFT FORWARD SKEW SHOWN, RIGHT FORWARD SKEW OPPOSITE HAND



**ELEVATION**  
LEFT FORWARD SKEW SHOWN, RIGHT FORWARD SKEW OPPOSITE HAND

PILE SCHEDULE	
SPAN	MAXIMUM FACTORED PILE LOAD
80'	64.4 TON
85'	66.5 TON
90'	68.6 TON
95'	71.0 TON
100'	72.8 TON

PEDESTAL DIMENSIONS		
SPAN	P1	P2
80'	2"	4 3/16"
85'	2 13/16"	5"
90'	2 1/2"	4 11/16"
95'	2 1/8"	4 5/16"
100'	2 1/8"	4 5/16"

SUMMARY OF QUANTITIES - ONE ABUTMENT (3)		
ITEM	UNIT	TOTAL
SUBSTRUCTURE EXCAVATION, COMMON	CY	80.00
GRANULAR BACKFILL	CY	45.00
CLASS A CONCRETE	CY	29.20
REINFORCING STEEL	LB	3,840.00
PILES, FURNISHED (HP 12X53)	LF	-
PILES, DRIVEN (HP 12X53)	LF	-
6" PERFORATED PIPE UNDERDRAIN	LF	36.00
6" NON-PERFORATED PIPE UNDERDRAIN	LF	-

- (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. Duch* DATE 9-9-2011

OKLAHOMA DEPARTMENT OF TRANSPORTATION  
COUNTY BRIDGE STANDARD (ENGLISH)

**ABUTMENT DETAILS**  
80' THRU 100' ROLLED BEAMS  
(SHEET NO. 1 OF 2)

32' CLEAR ROADWAY - CONVENTIONAL - SKEWED 30°

2009 SPECIFICATIONS      CB32-C-SK30-ABUT-RB-80100-1      01E      CB-582E