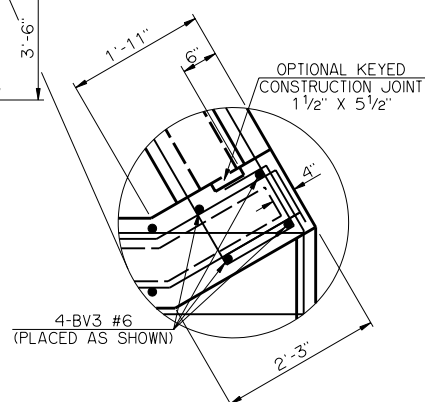
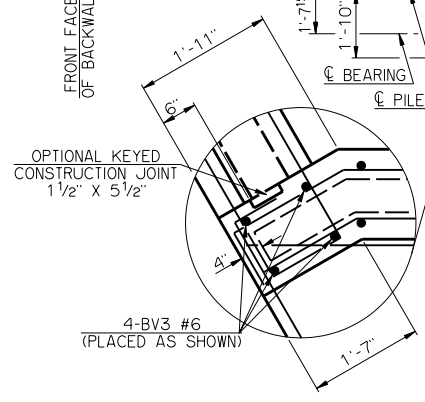
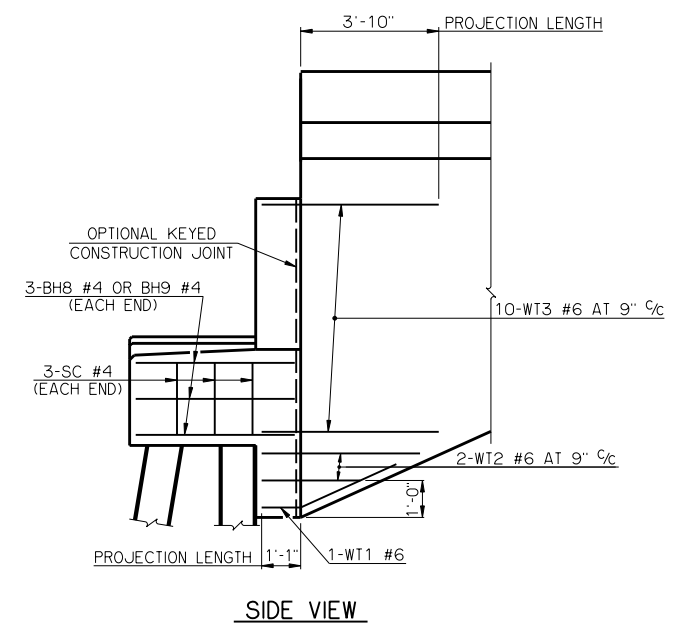
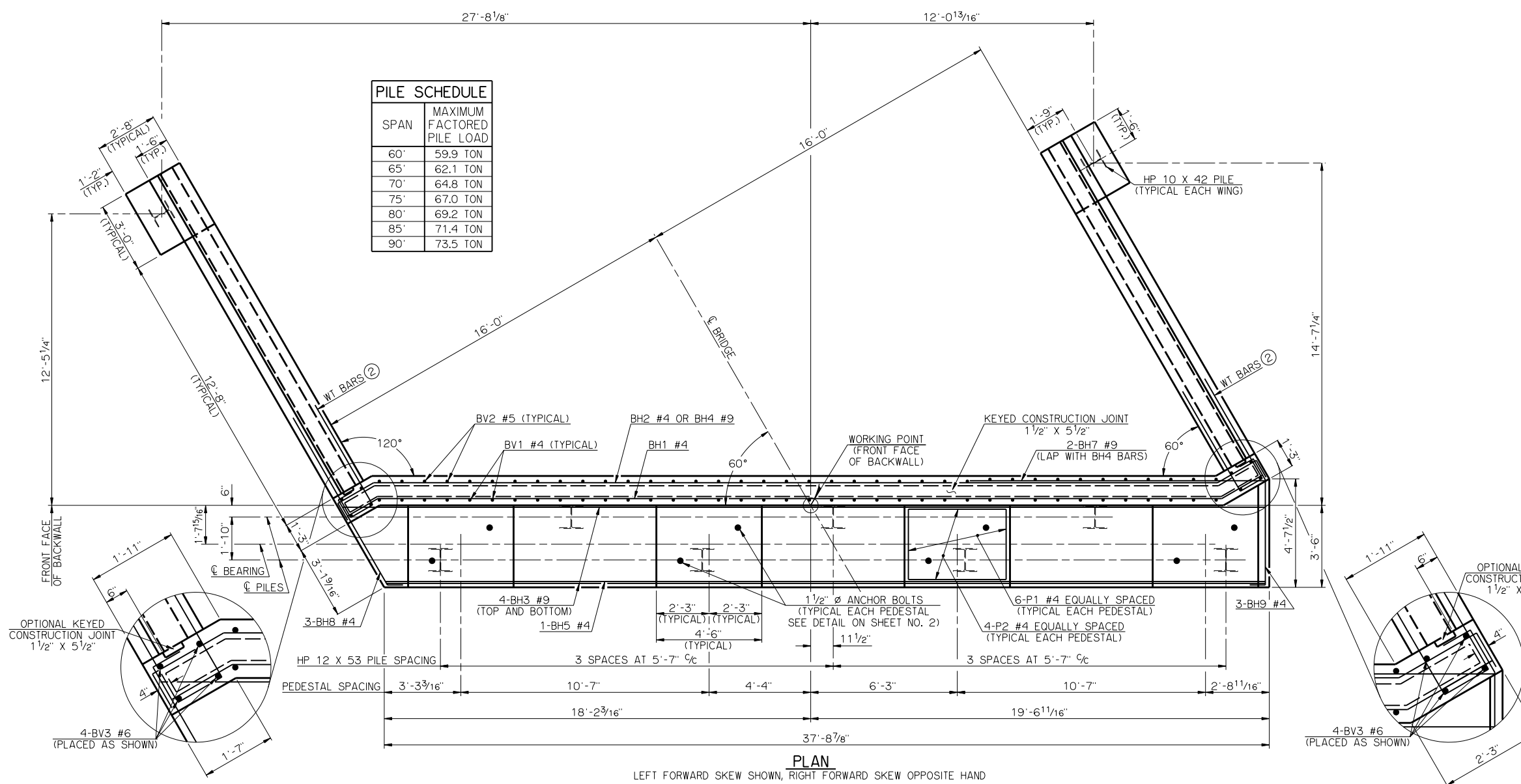
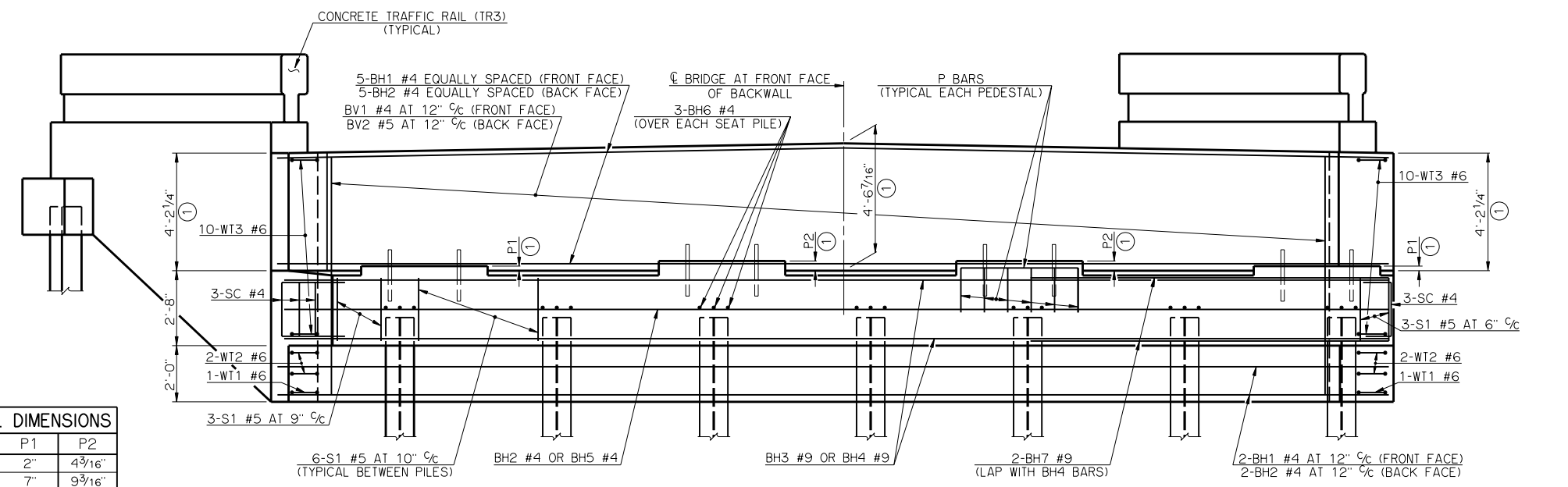


PILE SCHEDULE	
SPAN	MAXIMUM FACTORED PILE LOAD
60'	59.9 TON
65'	62.1 TON
70'	64.8 TON
75'	67.0 TON
80'	69.2 TON
85'	71.4 TON
90'	73.5 TON



PLAN
LEFT FORWARD SKEW SHOWN, RIGHT FORWARD SKEW OPPOSITE HAND



PEDESTAL DIMENSIONS		
BEAM TYPE	P1	P2
TYPE III	2"	4 3/16"
TYPE C	7"	9 3/16"

ELEVATION
LEFT FORWARD SKEW SHOWN, RIGHT FORWARD SKEW OPPOSITE HAND

SUMMARY OF QUANTITIES - ONE ABUTMENT (3)		
ITEM	UNIT	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	85.00
GRANULAR BACKFILL	CY	54.00
CLASS A CONCRETE	CY	31.50
REINFORCING STEEL	LB	3,820.00
PILES, FURNISHED (HP 12 x 53)	LF	-
PILES, DRIVEN (HP 12 x 53)	LF	-
6" PERFORATED PIPE UNDERDRAIN ROUND	LF	37.00
6" NON-PERF. PIPE UNDERDRAIN RND.	LF	-

(3) 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 *Debra A. Nease* DATE 10/16/06

OKLAHOMA DEPARTMENT OF TRANSPORTATION
COUNTY BRIDGE STANDARD (ENGLISH)

ABUTMENT DETAILS
TYPE III AND TYPE C P.C. BEAMS
(SHEET NO. 1 OF 2)

32' CLEAR ROADWAY - CONVENTIONAL - SKEWED 30°

1999 STANDARD SPECIFICATIONS CB32-C-SK30-ABUT-PC3-1 OOE CB-572E