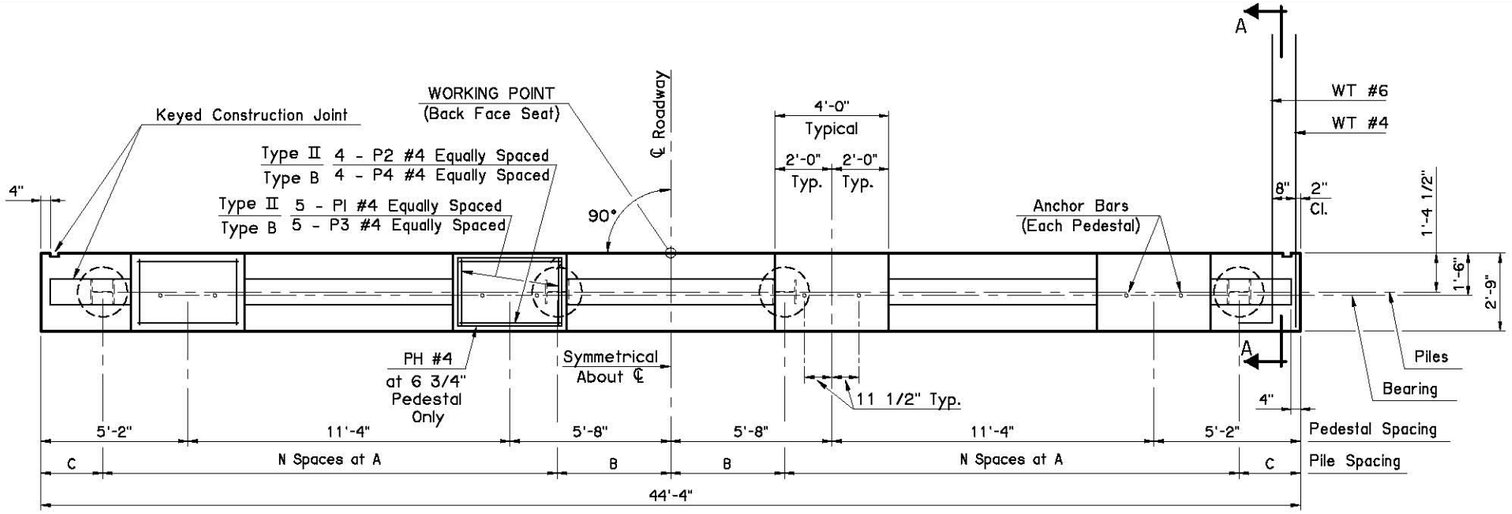
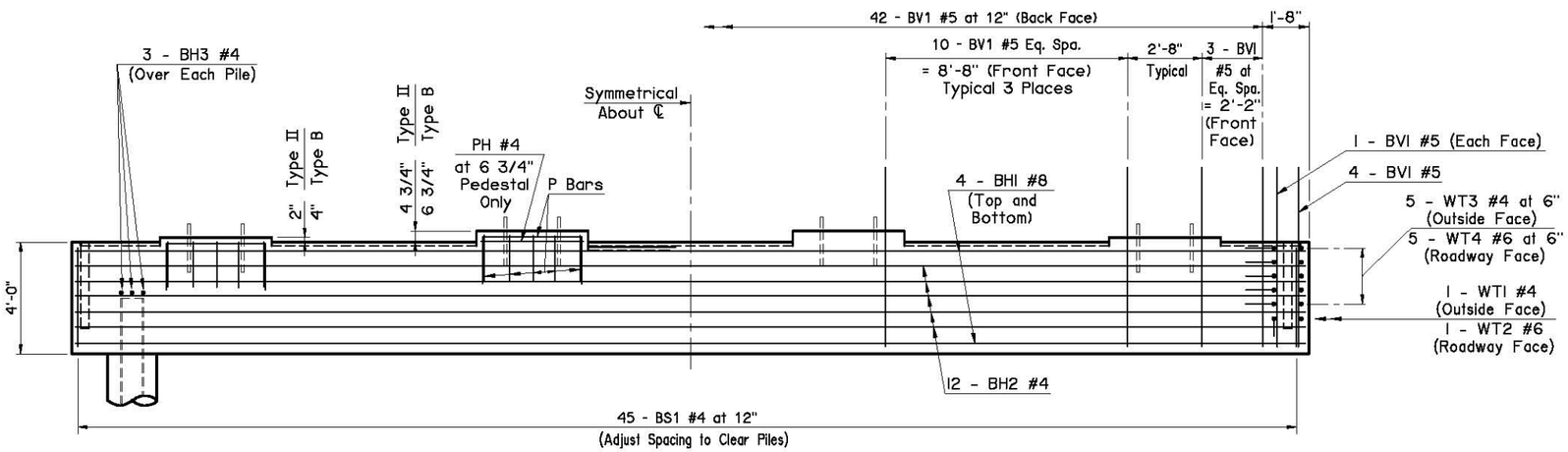
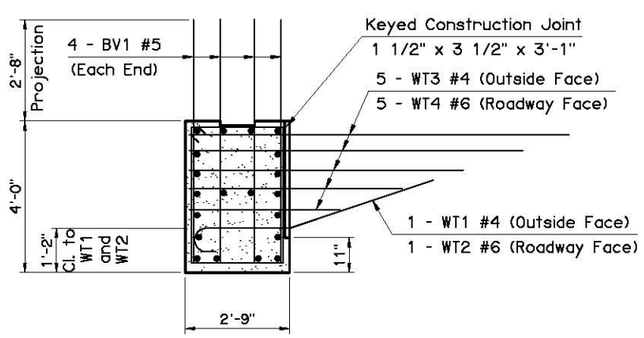


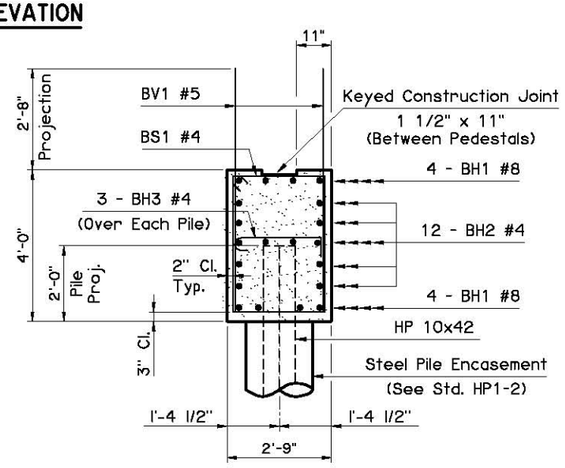
PLAN



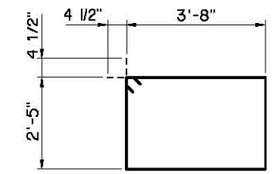
ELEVATION



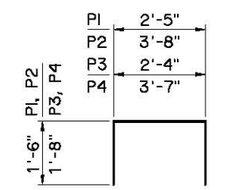
SECTION A-A



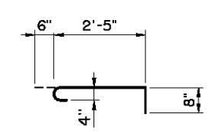
TYPICAL SECTION THRU SEAT



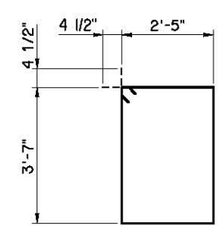
PH #4 x 12'-11"



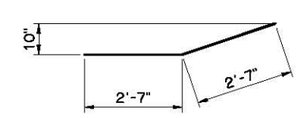
P1 #4 x 5'-5"
P2 #4 x 6'-8"
P3 #4 x 5'-8"
P4 #4 x 6'-11"



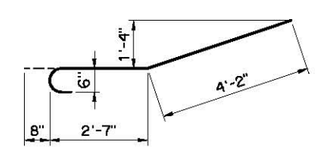
BH3 #4 x 3'-7"



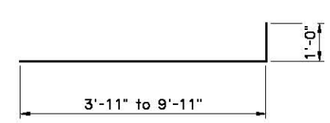
BS1 #4 x 12'-9"



WT1 #4 x 5'-2"



WT2 #6 x 7'-5"



WT4 #6 x 7'-11" Avg.

PILE SCHEDULE						
SPAN	TOTAL NUMBER OF PILES	N	A	B	C	MAXIMUM FACTORED PILE LOAD
30'	5	2	10'-0"	0"	2'-2"	74.7 TON
35'	5	2	10'-0"	0"	2'-2"	80.0 TON
40'	6	2	8'-0"	4'-0"	2'-2"	70.5 TON
45'	6	2	8'-0"	4'-0"	2'-2"	74.2 TON
50'	7	3	6'-9"	0"	1'-11"	66.5 TON
55'	7	3	6'-9"	0"	1'-11"	69.5 TON

Place all WT Wing reinforcing tied to Abutment Seat reinforcing before placing Abutment Seat concrete. Do not place Abutment Wing concrete until concrete for the Abutment Diaphragm and Deck Slab have attained a strength of 3000 p.s.i. For additional details, see ABUTMENT DIAPHRAGM DETAILS (SHEET 1 OF 2 AND SHEET 2 OF 2) and ABUTMENT WING DETAILS (SHEET 2 OF 2).

ABUTMENT SEAT BAR LIST						
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION	
EPOXY COATED REINFORCING						
BV1	#5	90	STR.	6'-5"		
BH1	#8	8	STR.	44'-0"		
BH2	#4	12	STR.	44'-0"		
BS1	#4	45	BNT.	12'-9"		
WT1	#4	2	BNT.	5'-2"		
WT2	#6	2	BNT.	7'-5"		
① WT3	#4	10	STR.	6'-11" AVG.	3'-11" to 9'-11"	
① WT4	#6	10	BNT.	7'-11" AVG.	4'-11" to 10'-11"	
5 PILE ABUTMENT						
BH3	#4	15	BNT.	3'-7"		
6 PILE ABUTMENT						
BH3	#4	18	BNT.	3'-7"		
7 PILE ABUTMENT						
BH3	#4	21	BNT.	3'-7"		
TYPE II						
P1	#4	20	BNT.	5'-5"		
P2	#4	16	BNT.	6'-8"		
TYPE B						
P3	#4	20	BNT.	5'-8"		
P4	#4	16	BNT.	6'-11"		
PH	#4	2	BNT.	12'-11"		

① 2 Sets of 5

APPROVED BY BRIDGE ENGINEER [signature] DATE 4/2/10

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

ABUTMENT DETAILS
TYPE II AND TYPE B P.C. BEAMS
INTEGRAL (SHEET 1 OF 2)

2009 SPECIFICATIONS | B40-I-ABUT-PC2-1 | 01E

B-40E