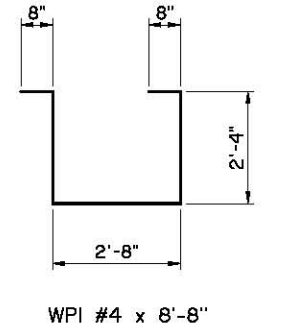
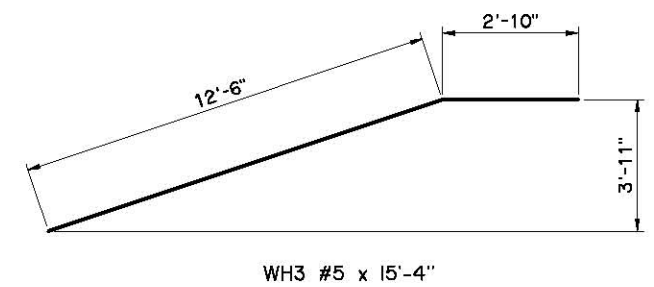
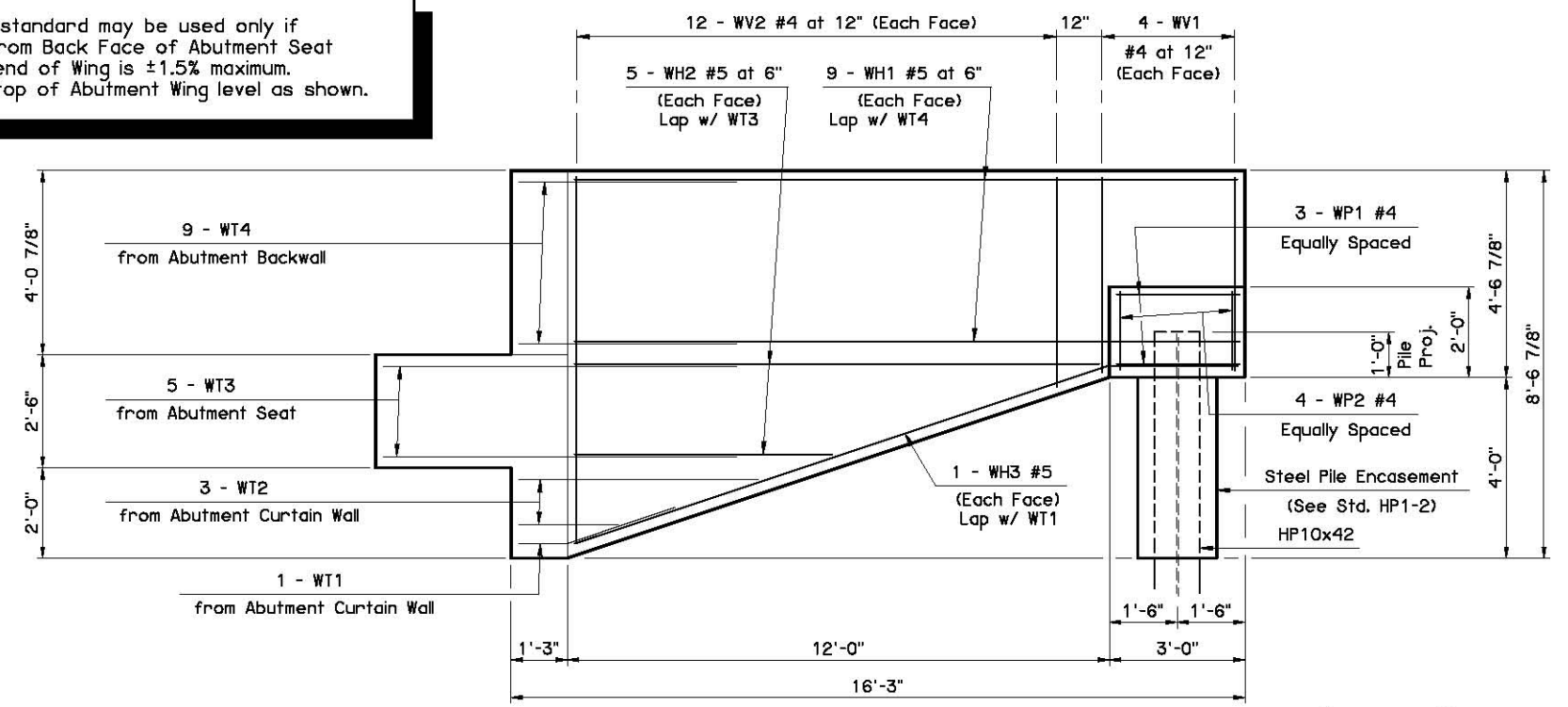
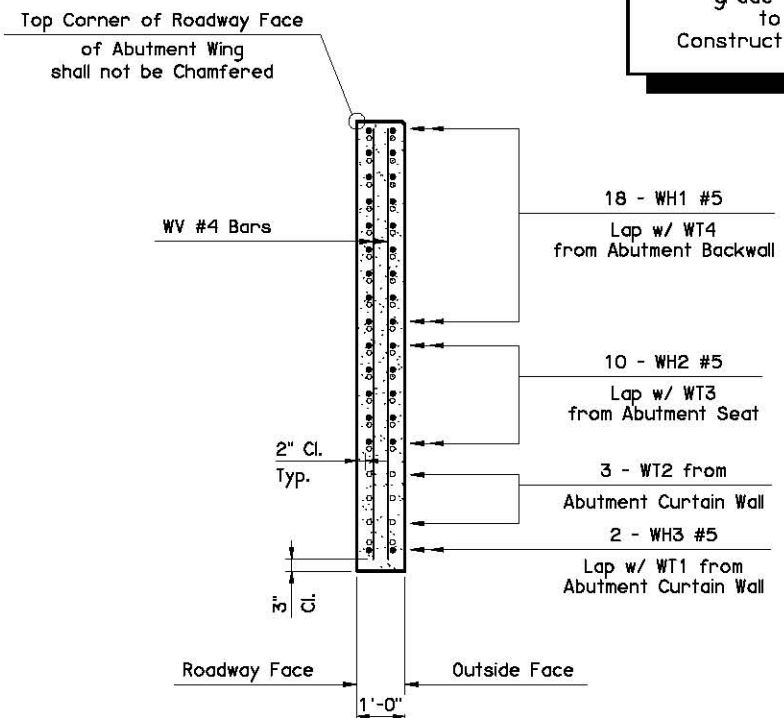


This standard may be used only if grade from Back Face of Abutment Seat to end of Wing is $\pm 1.5\%$ maximum. Construct top of Abutment Wing level as shown.



SECTION THRU WING AT BACK FACE OF ABUTMENT SEAT

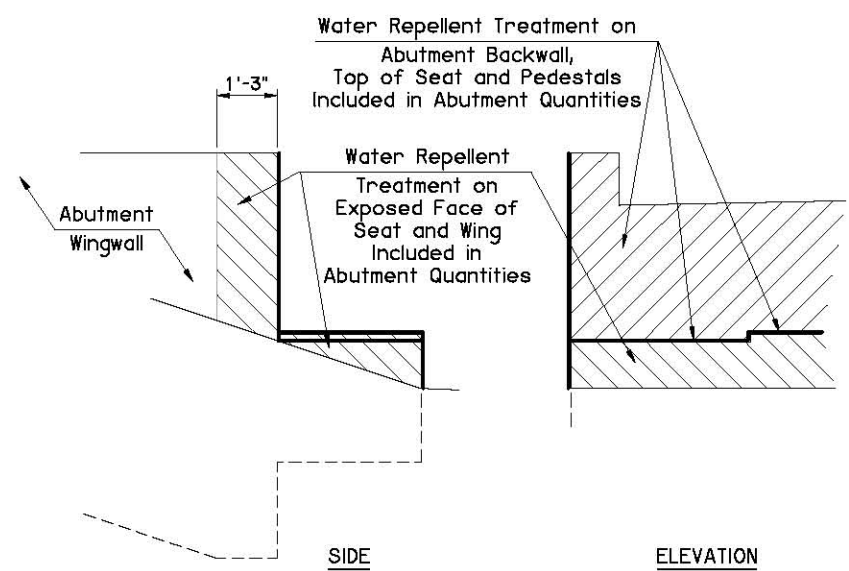
WING ELEVATION

ABUTMENT BAR LIST					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING					
BH1	#4	8	STR.	44'-0"	
BH2	#4	6	BNT.	45'-4"	
BH3	#9	10	STR.	44'-0"	
BH4	#4	21	BNT.	5'-1"	
① BV1	#4	42	STR.	7'-3" Avg.	7'-1" to 7'-5"
① BV2	#5	42	STR.	7'-3" Avg.	7'-1" to 7'-5"
BV3	#4	8	STR.	8'-2"	
S1	#5	45	BNT.	12'-11"	
SC	#4	4	BNT.	3'-3"	
② WT1	#5	2	BNT.	8'-2"	
② WT2	#5	6	BNT.	8'-8" Avg.	5'-8" to 11'-8"
WT3	#5	10	BNT.	16'-8"	
WT4	#5	18	BNT.	10'-8"	
③ WH1	#5	36	STR.	14'-8"	
③ WH2	#5	20	STR.	8'-9" Avg.	5'-9" to 11'-9"
WH3	#5	4	BNT.	15'-4"	
④ WV1	#4	16	STR.	4'-2"	
④ WV2	#4	48	STR.	6'-4" Avg.	4'-7" to 8'-1"
WP1	#4	6	BNT.	8'-8"	
WP2	#4	8	STR.	1'-7"	

ABUTMENT BAR LIST - 30' SPAN					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING					
P1	#4	20	BNT.	6'-7"	
P2	#4	16	BNT.	7'-7"	
PH	#4	6	BNT.	13'-5"	

ABUTMENT BAR LIST - 35' THRU 45' SPANS					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING					
P1	#4	20	BNT.	6'-7"	
P2	#4	16	BNT.	7'-7"	
PH	#4	2	BNT.	13'-5"	

ABUTMENT BAR LIST - 50' SPAN					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING					
P3	#4	20	BNT.	5'-8"	
P4	#4	16	BNT.	6'-8"	



WATER REPELLENT TREATMENT DETAILS

ABUTMENT QUANTITIES		
ITEM	UNIT	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	80
CLSM BACKFILL	C.Y.	79
CLASS A CONCRETE	C.Y.	37.3
EPOXY COATED REINFORCING STEEL	LB.	4,920
PILES, FURNISHED (HP10x42)	L.F.	
PILES, FURNISHED (HP12x53)	L.F.	
PILES, DRIVEN (HP10x42)	L.F.	
PILES, DRIVEN (HP12x53)	L.F.	
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	40
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	42
6" NON-PERF. PIPE UNDERDRAIN RND.	L.F.	

- ① 2 Sets of 21
- ② 2 Sets of 3
- ③ 4 Sets of 5
- ④ 4 Sets of 12

APPROVED BY BRIDGE ENGINEER *Scott J. Smith* DATE *4/2/10*

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
ABUTMENT DETAILS
30' THRU 50' ROLLED BEAM SPANS
CONVENTIONAL (SHEET 2 OF 2)

2009 SPECIFICATIONS | B40-C-ABUT-RB-3050-2 | 01E
B-249E