OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
ABUTMENT DETAILS
O' ROLLED BEAM SPANS
INTEGRAL (SHEET 2 OF 2)

2 Sets of 11 8/27/03

RK SIZE NO. FORM LENGTH LENGTH LENGTH VARIATION	(A)M	W V 1	WH6	WH5	WH4	WH3	WH2	WH1		MARK	
FORM LENGTH STR. 14'-8" STR. 14'-8" STR. 9'-2" AVG. STR. 9'-2" AVG. BNT. 15'-2" BNT. 15'-2" BNT. 15'-2"			16	5	4	43	な	11			
FORM LENGTH FORM LENGTH XY COATED REINFORCII STR. 14'-8" STR. 9'-2" AVG.		#4	#6	#4	#6	#4	#6	#4		SIZE	
SHOWN, TWO REQUIRED FORM LENGTH LENGTH VARIATION (Y COATED REINFORCING STR. 14'-8" STR. 9'-2" AVG. 8'-5" to 9'-11 STR. 9'-2" AVG. 8'-5" to 9'-11 STR. 9'-2" AVG. 8'-5" to 9'-11 STR. 15'-2" BNT. 15'-2" BNT. 15'-2" STR. 2'-7"		10	1		2	12	თ	6	EP0)	NO.	ONE
TWO REQUIRED LENGTH LENGTH VARIATION LENGTH LENGTH VARIATION 14'-8" 14'-8" 9'-2" AVG. 8'-5" to 9'-11 9'-2" AVG. 8'-5" to 9'-11 15'-2" 15'-2" 2'-7"		STR.	BNT.	BNT.	STR.		STR.	STR.	(Y COA	FORM	SHOWN
REQUIRED STH LENGTH VARIATION INFORCING -8" -8" AVG. 8'-5" to 9'-11 AVG. 8'-5" to 9'-11 -2"		2	15'	15'	9'-2"	9'-2"	14'	14'	TED RE	LEN	WING
LENGTH VARIATIONS ING S-5" to 9'-11 8'-5" to 9'-11	_	7"	-2"	-2"	AVG.	AVG.	8	-8"	INFORC	3TH	REQUIR
H VARIATION 1 to 9'-11					8'-5'	8'-5'			ING	LENGT	ED L
					to 9	to 9				H VAR	
					'-11"	'-11"				IATION	

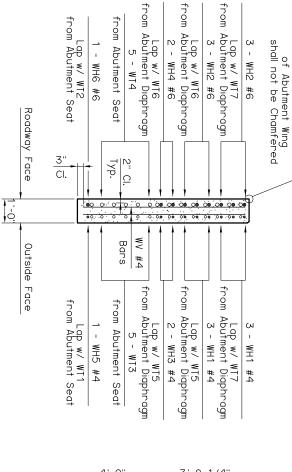
WH5 #4 x 15'-2" WH6 #6 x 15'-2"

3'-10"

WING ELEVATION

ABUTMENT QUANTITIES		
ITEM	UINU	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	40
GRANULAR BACKFILL	C.Y.	44
CLASS A CONCRETE	C.Y.	24.2
EPOXY COATED REINFORCING STEEL	LB.	3,160
PILES, FURNISHED (HP10x42)	L.F.	
PILES, DRIVEN (HP10x42)	L.F.	
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	12
6" PERFORATED PIPE UNDERDRAIN ROUND	ĿF.	42
6" NON-PERF. PIPE UNDERDRAIN RND.	L.F.	

BACK FACE OF ABUTMENT SEAT SECTION THRU WING AT



		-	4'-0"		3	'-8 <i>'</i>	1/4"	rengt
	1 - WII (OUTSIDE FACE) 1 - WT2 (Roadway Face) from Abutment Seat		5 - WT4 (Roadway Face) from Abutment Seat	5 - WT3 (Outside Face)	5 - WT6 (Roadway Face) from Abutment Diaphragm	5 - WT5 (Outside Face)	3 - WT7 from Abutment Diaphragm	rength of 3000 p.s.i.
2'-9"					-			
15'-0"	11'-0"	1'-0 1/4"						2 - WH3 #4 at 6" (Outside Face) Lap w/ WT5 2 - WH4 #6 at 6" (Roadway Face) Lap w/ WT6
	40		1 - WH6 #6 (Roadway Face) Lap w/ WT2	(Outside Face) Lap w/ WT1				

3'-8"

6'-8"

3'-0"

Top Corner of Roadway Face

This standard may be used only if grade from Back Face of Abutment Seat to end of Wing is ±1.5% maximum.

Construct top of Abutment Wing level as shown. Abutment Wings shall not be poured until the Abutment Diaphragm and Deck Slab have attained a strength of 3000 p.s.i.

11 - WV2

#4 at 12" (Each Face)

5 - WV1 #4 at 12" (Each Face)

6 - WH1 #4 at 6"
(Outside Face)
Lap w/ WT7 or WT5
6 - WH2 #6 at 6"
(Roadway Face)
Lap w/ WT7 or WT6