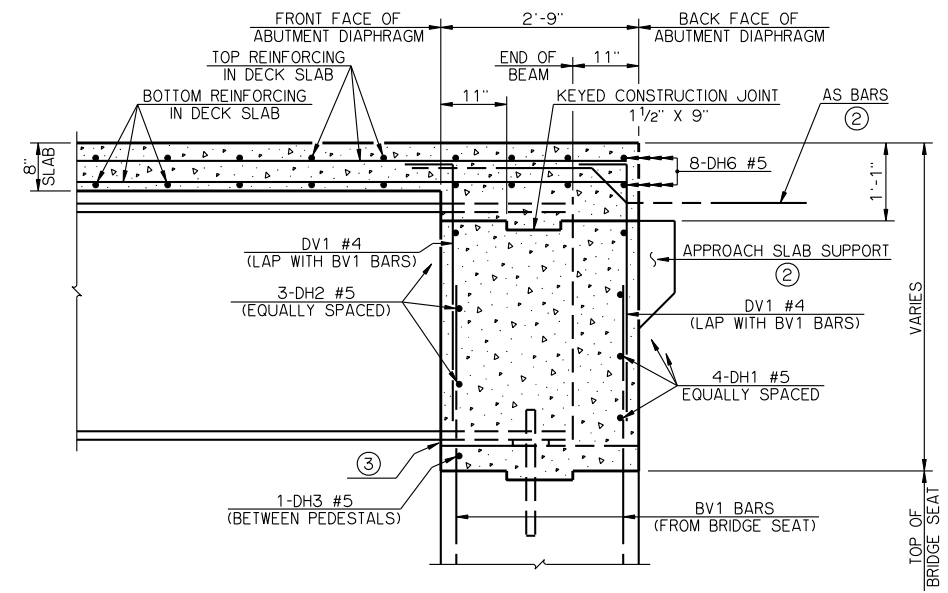
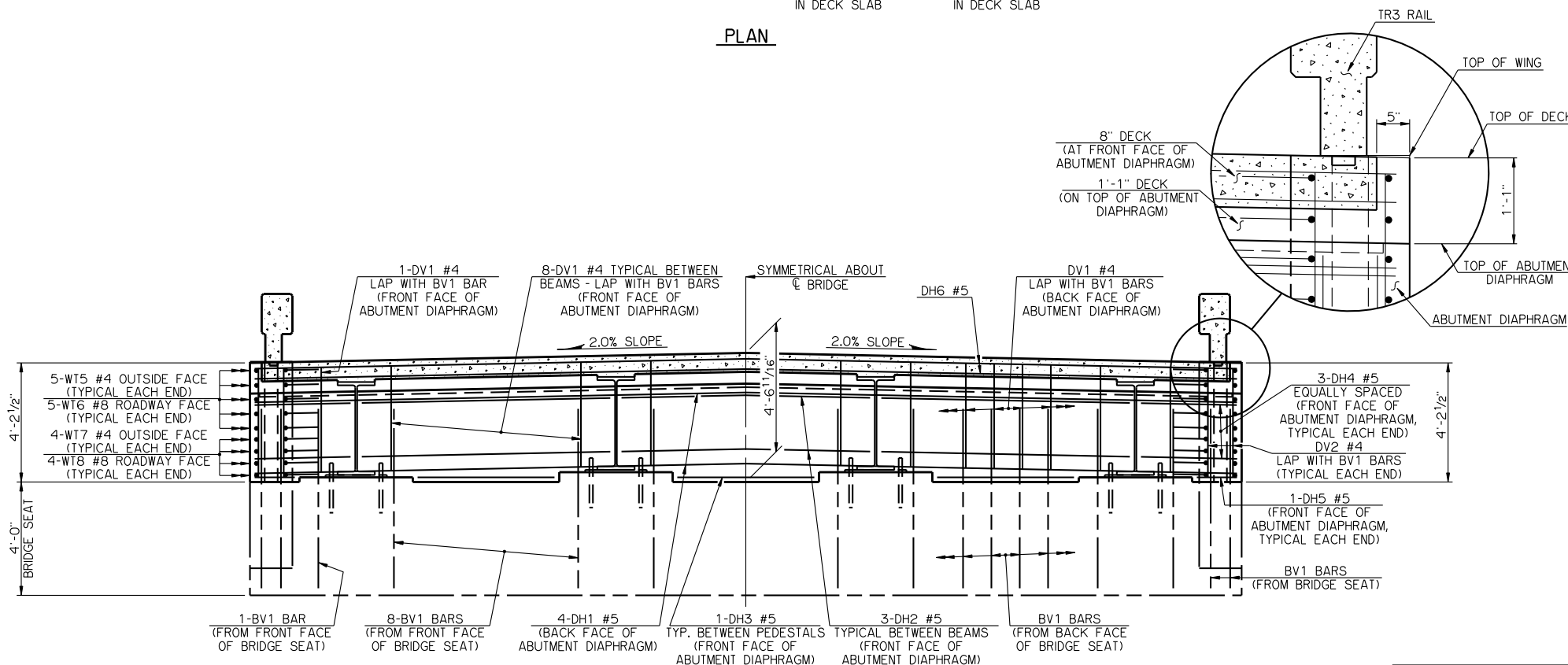


PLAN

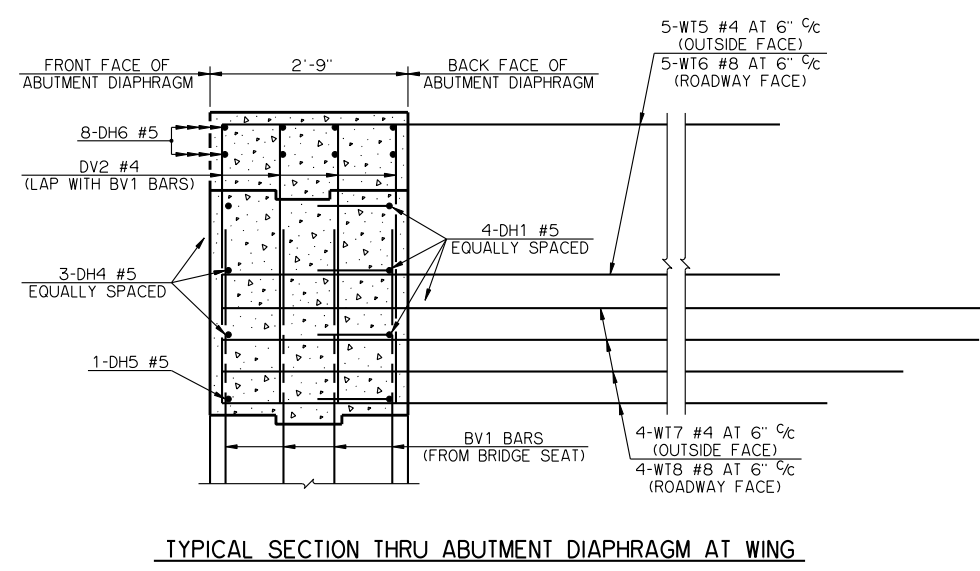


TYPICAL SECTION THRU ABUTMENT DIAPHRAGM

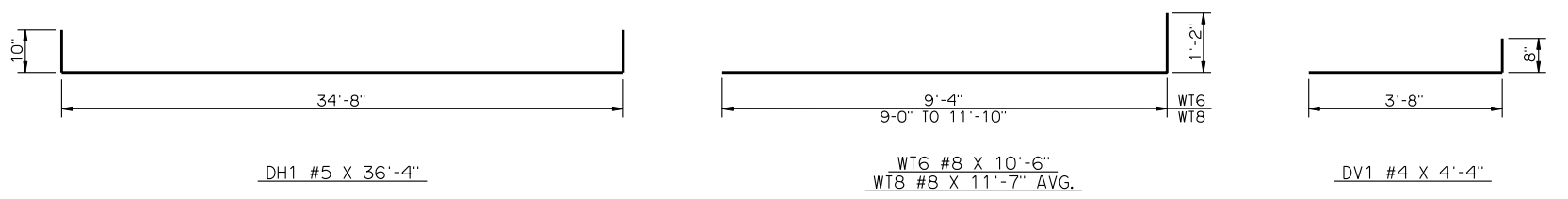
- ② THE 'AS' BARS AND THE APPROACH SLAB SUPPORT ARE TO BE CONSTRUCTED ONLY IF THE BRIDGE CONTAINS THE OPTIONAL APPROACH SLABS. THE 'AS' BARS IN THE DECK SLAB AND THE 'BV1' AND 'SV1' BARS IN THE APPROACH SLAB SUPPORT SHALL BE INSTALLED BEFORE PLACING THE ABUTMENT DIAPHRAGM AND DECK SLAB CONCRETE. FOR ADDITIONAL DETAILS AND INFORMATION SEE APPROACH SLAB DETAILS.
- ③ COMPLETELY FILL THE VOID IN THE ABUTMENT DIAPHRAGM DIRECTLY UNDER THE BEAM WITH SILICONE TO SEAL THE EXPOSED EDGE OF THE ANCHOR PLATE. ALL COSTS INCLUDING MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO INSTALL THE SILICONE, SHALL BE INCLUDED IN OTHER ITEMS OF WORK.



ELEVATION



TYPICAL SECTION THRU ABUTMENT DIAPHRAGM AT WING



DETAILS OF BENT REINFORCING STEEL

BAR LIST - ONE ABUTMENT DIAPHRAGM					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
DH1	4	#5	BNT.	36'-4"	-
DH2	9	#5	STR.	8'-9"	-
DH3	3	#5	STR.	4'-10"	-
DH4	6	#5	STR.	3'-4"	-
DH5	2	#5	STR.	1'-5"	-
DH6	8	#5	STR.	34'-8"	-
DV1	58	#4	BNT.	4'-4"	-
DV2	16	#4	STR.	3'-10"	-
WT5	10	#4	STR.	9'-4"	-
WT6	10	#8	BNT.	10'-6"	-
WT7	8	#4	STR.	10'-5" AVG.	9'-0" TO 11'-10"
WT8	8	#8	BNT.	11'-7" AVG.	10'-2" TO 13'-0"

- ① NO. INCLUDES TWO SETS OF 4 BARS

**NOTES**

DECK SLAB CONCRETE SHALL NOT BE POURED UNTIL THE ABUTMENT DIAPHRAGMS HAVE ATTAINED A STRENGTH OF 3,000 PSI.

ALL WT WING REINFORCING STEEL TIED TO ABUTMENT DIAPHRAGM REINFORCING STEEL MUST BE IN PLACE PRIOR TO POURING THE ABUTMENT DIAPHRAGM CONCRETE.

APPROVED BY BRIDGE ENGINEER *Robert J. Duch* DATE 9-9-2011

OKLAHOMA DEPARTMENT OF TRANSPORTATION  
COUNTY BRIDGE STANDARD (ENGLISH)

**ABUTMENT DIAPHRAGM DETAILS**  
55' AND 100' ROLLED BEAMS

32' CLEAR ROADWAY - INTEGRAL - SKEWED 0°

2009 SPECIFICATIONS      CB32-1-SKO-DIA-ABUT-RB-55100      01E      CB-873E