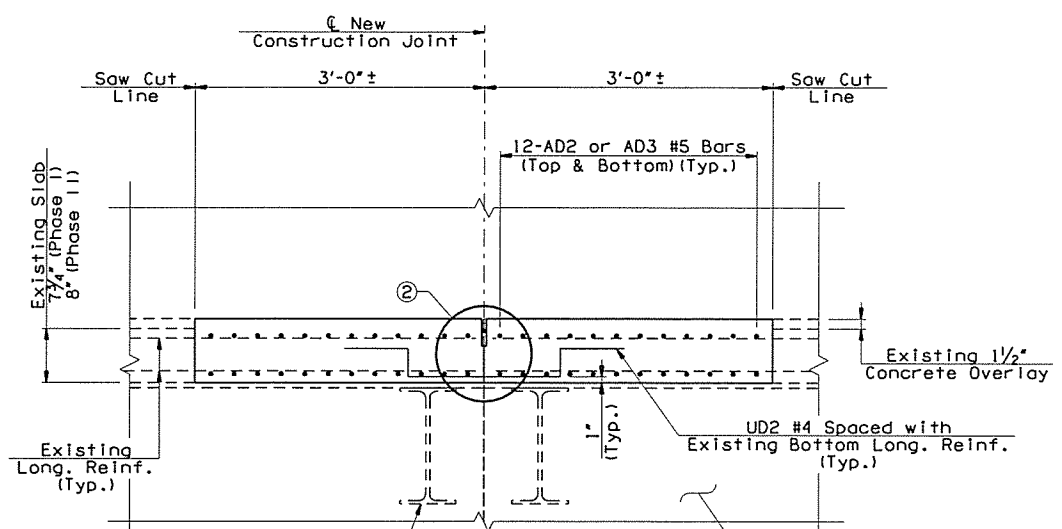
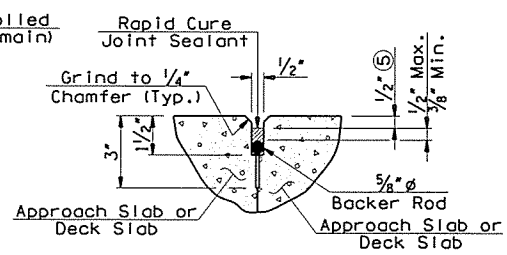


SECTION A-A AT PIER NOS. 1 & 3
 (Shown Perpendicular to \bar{C} Expansion Joint)



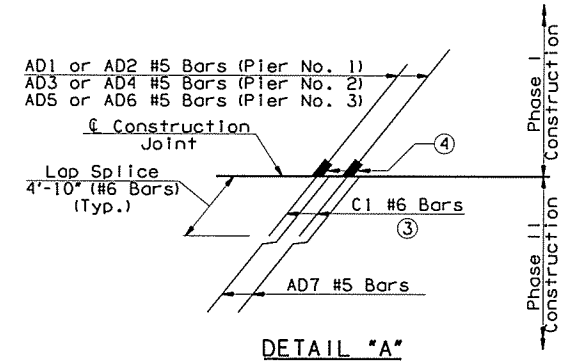
SECTION B-B AT PIER NO. 2
 (Shown Perpendicular to \bar{C} Construction Joint)



DETAIL "B"
 This dimension shall taper from 1/2" at edge of driving lane/shoulder to 1/8" at rail for Transverse Joints only.

NOTES:
 See Sheet Nos. 17 & 18 for details on demolition of the existing Expansion and Construction Joints at the Piers.
 See Sheet No. 19 for additional details on construction of the new Expansion and Construction Joints at the Piers.
 All costs associated with removing the existing concrete deck and replacement with Class AA concrete for Sealed Expansion Joint and Sawn and Sealed Construction Joint repairs including cleaning, straightening, and preserving existing reinforcing steel, saw cutting, materials, labor, and any incidentals necessary to complete the work as shown in the plans shall be included in the price bid per Square Yard of "CLASS C BRIDGE DECK REPAIR".
 High Early Strength (HES) Concrete shall be used for deck/joint repairs. Deck repairs shall obtain a minimum compressive strength of 3,000 p.s.i. prior to placement of loads on repaired areas. Payment of HES Concrete is included in the price bid per Square Yard of "CLASS C BRIDGE DECK REPAIR".
 All costs associated with the installation of Sealed Expansion Joints at Pier Nos. 1 & 3 shall be included in the price bid per Linear Foot of "SEALED EXPANSION JOINT".
 All costs associated with the installation of Sawn and Sealed Construction Joint at Pier No. 2 shall be included in the price bid per Linear Foot of "RAPID CURE JOINT SEALANT".

- The Expansion joint Openings shall be set at the time the Deck Slab Concrete is poured. The width of the opening, calculated in inches, shall be as follows:
 At Pier No. 1: Opening = 2.2070 - (0.00345 x T)
 At Pier No. 3: Opening = 2.1846 - (0.00308 x T)
 Where "T" equals the ambient air temperature in Degrees Fahrenheit at the time the Deck Slab Concrete is poured. (10°F < T < 120°F)
 Note that the Expansion Joint Opening shall be measured perpendicular to the centerline of the joint.
- New Sawn and Sealed Construction Joint. See DETAIL "B".



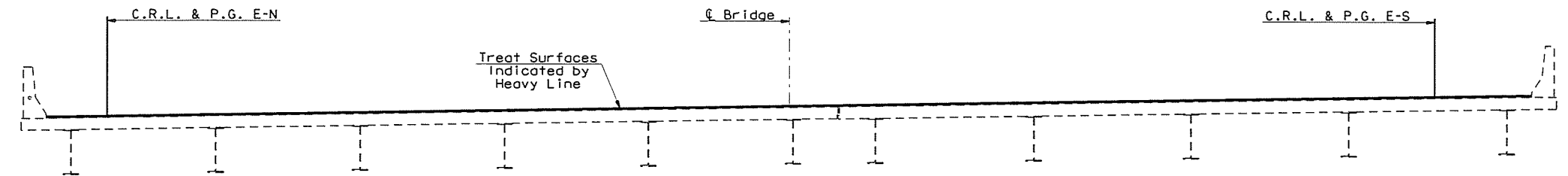
DETAIL "A"

- Install Mechanical Reinforcing Bar Coupler (Epoxy Coated) in accordance with Section 511.04.C.3. Installation shall follow the Manufacturer's recommendations. Couplers shall be attached to:
 AD1 & AD2 Bars (Pier No. 1)
 AD3 & AD4 Bars (Pier No. 2)
 AD5 & AD6 Bars (Pier No. 3)
- Pier No. 1: Splice AD1 & AD2 #5 Bars with C1 #6 Bars. Lap C1 #6 Bars with AD7 #5 Bars.
 Pier No. 2: Splice AD3 & AD4 #5 Bars with C1 #6 Bars. Lap C1 #6 Bars with AD7 #5 Bars.
 Pier No. 3: Splice AD5 & AD6 #5 Bars with C1 #6 Bars. Lap C1 #6 Bars with AD7 #5 Bars.

NOTES:
 Mechanical couplers shall only be used in Phase I Construction on all Piers.
 Cost of installing mechanical splices shall not be paid for directly but shall be included in the price bid per Each of "MECHANICAL SPLICES".

SUMMARY OF QUANTITIES - SUPERSTRUCTURE				
ITEM	UNIT	PHASE I CONST.	PHASE II CONST.	TOTAL
SEALED EXPANSION JOINT	L.F.	93.60	95.00	188.60
CONCRETE PARAPET	L.F.	21.00	21.00	42.00
RAPID CURE JOINT SEALANT	L.F.	46.30	69.00	115.30
MECHANICAL SPLICES	EA.	144.00		144.00
EPOXY COATED REINFORCING STEEL	LB.	8,101.00	9,182.00	17,283.00
CLASS B BRIDGE DECK REPAIR	S.Y.	9.00	9.00	18.00
CLASS C BRIDGE DECK REPAIR	S.Y.	99.00	101.00	200.00
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	110.00	114.00	224.00
DECK AREA SEALED (FLOODCOATS)	S.Y.	793.00	809.00	1,602.00
REPAIR BRIDGE ITEM (TYPE A)	EA.			16.00
REPAIR BRIDGE ITEM (TYPE B)	EA.			1.00
REPAIR BRIDGE ITEM (TYPE C)	EA.			43.00

SUPERSTRUCTURE BAR LIST						
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION	
EPOXY COATED REINFORCING STEEL						
AD1	#5	24	BENT	50'-1 1/2" AVG.	49'-0" TO 51'-3"	PH. I. CONST.
AD2	#5	24	BENT	50'-10" AVG.	50'-8" TO 51'-0"	
AD3	#5	24	BENT	47'-3 1/2" AVG.	47'-2" TO 47'-5"	
AD4	#5	24	BENT	47'-0" AVG.	46'-10" TO 47'-2"	
AD5	#5	24	BENT	44'-5 1/2" AVG.	44'-4" TO 44'-7"	
AD6	#5	24	BENT	44'-2" AVG.	44'-0" TO 44'-4"	
EP1	#5	30	BENT	5'-4"	-	PH. II. CONST.
UD1	#4	315	BENT	3'-0"	-	
UD2	#4	84	BENT	3'-6"	-	
AD7	#5	144	BENT	48'-2"	-	
C1	#6	144	STR.	4'-10"	-	
EP1	#5	30	BENT	5'-4"	-	
UD1	#4	284	BENT	3'-0"	-	
UD2	#4	71	BENT	3'-6"	-	



FLOOD COAT TREATMENT DETAIL

I-44 WB OVER S 38TH W AVE TULSA COUNTY DESIGN JMO 10/15
 & TSU RR BRIDGE "A" DETAIL SJL 10/15
 SUPERSTRUCTURE DETAILS (SHEET 4 OF 5) CHECK BRT 11/15
GARVER
 STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION
 JOB PIECE NO. 28872104 SHEET NO. 20
 6/2/2016 TULSA COUNTY