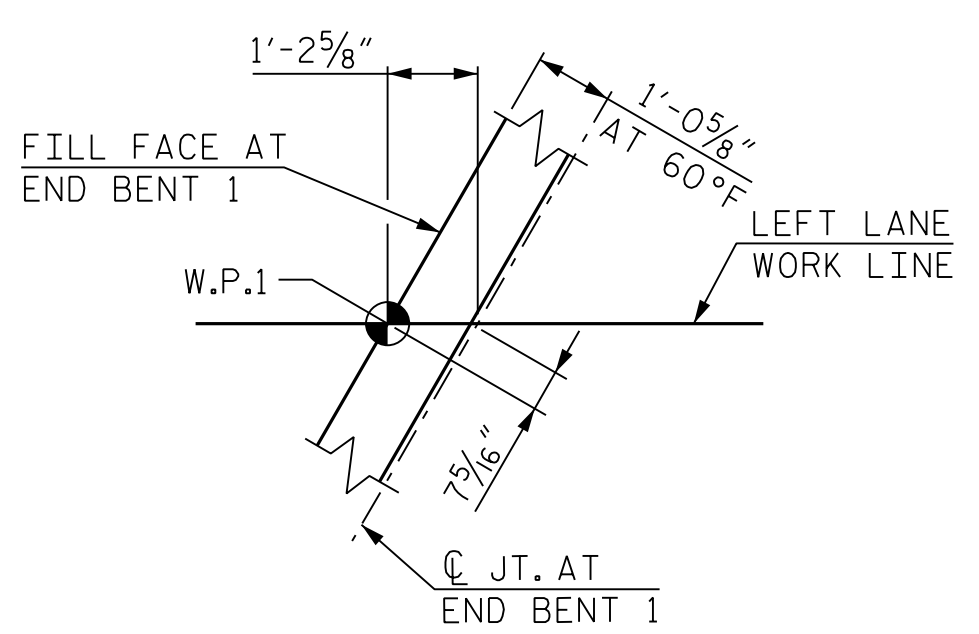


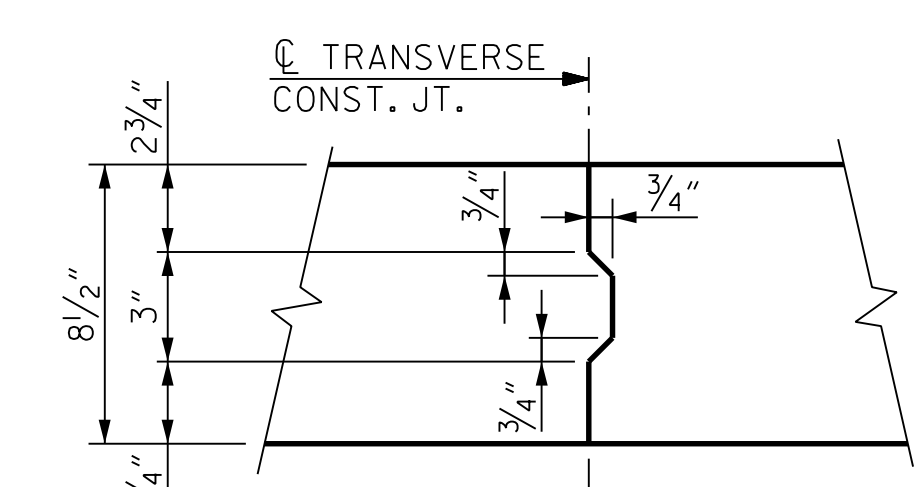
tboyd 11/10/2023 R:\Structures\BRIDGE\LeftBridge\DG\N\FINAL\R2577A\_SMU\_S1\_330814.dgn

**PLAN OF SPAN A**

FOR LOCATIONS OF TRANSVERSE CONSTRUCTION JOINTS, SEE "SUPERSTRUCTURE BILL OF MATERIAL" SHEET.



**DETAIL "A"**



NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THROUGH JOINT.  
**TRANSVERSE CONSTRUCTION JOINT IN DECK SLAB**

END BENT 1 DIAPHRAGM DETAILS	
EBI-1	3-#6 K1 (TYP. EA. BAY)
EBI-2	2-#8 K2 (OVER EA. EXT. GDR.) (4'-9" MIN. SPLICE)
EBI-3	2-#8 K3 (OVER EA. INT. GDR.) (4'-9" MIN. SPLICE)
EBI-4	8-#4 S1 AND 8-#5 S2 AT 10" CTS. (TYP. EA. BAY)
EBI-5	42-#4 J1 AT 1'-0" CTS. (SEE EXPANSION JOINT SEAL DETAILS FOR LOCATION OF BARS)
EBI-6	#5 G1 PARALLEL TO JOINT

- ① 32-#4 B1 (2 BAR RUN) (TOP OF SLAB) (MIN. LAP SPLICE = 1'-11") (SEE TYPICAL SECTION FOR SPACING)
- ② 32-#6 B2 (TOP OF SLAB) (SPLICE WITH #4 B1 AND #4 B3) (MIN. LAP SPLICE = 2'-2") (SEE TYPICAL SECTION FOR SPACING)
- ③ 31-#6 B4 (TOP OF SLAB) (SEE TYPICAL SECTION FOR SPACING)

BENT 1 DIAPHRAGM DETAILS	
B1-1	8-#4 U1 AT 10" CTS. AND 32-#4 S3 (TYP. EA. BAY)
B1-2	#4 K5, 3-#4 K6 AND #4 K7 (TYP. EA. FACE) (TYP. EA. BAY)
B1-3	5-#4 K4 BETWEEN INTERIOR GIRDERS
B1-4	5-#4 K8 BETWEEN EXTERIOR GIRDERS

PROJECT NO. **R-2577A**  
**FORSYTH** COUNTY  
 STATION: **140+39.50 -L-**

SHEET 1 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE PLAN OF SPAN A					
LEFT LANE					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. <b>SL-9</b>
					TOTAL SHEETS <b>35</b>

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BRIDGE NO. 330815

SEAL  
 48850  
 Registered Professional Engineer  
 C. J. PAITEL  
 11/10/2023

DRAWN BY : T.K. BOYD DATE : SEP 2023  
 CHECKED BY : L.K. AUSTIN DATE : SEP 2023  
 DESIGN ENGINEER OF RECORD : C.J. PAITEL DATE : SEP 2023

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**