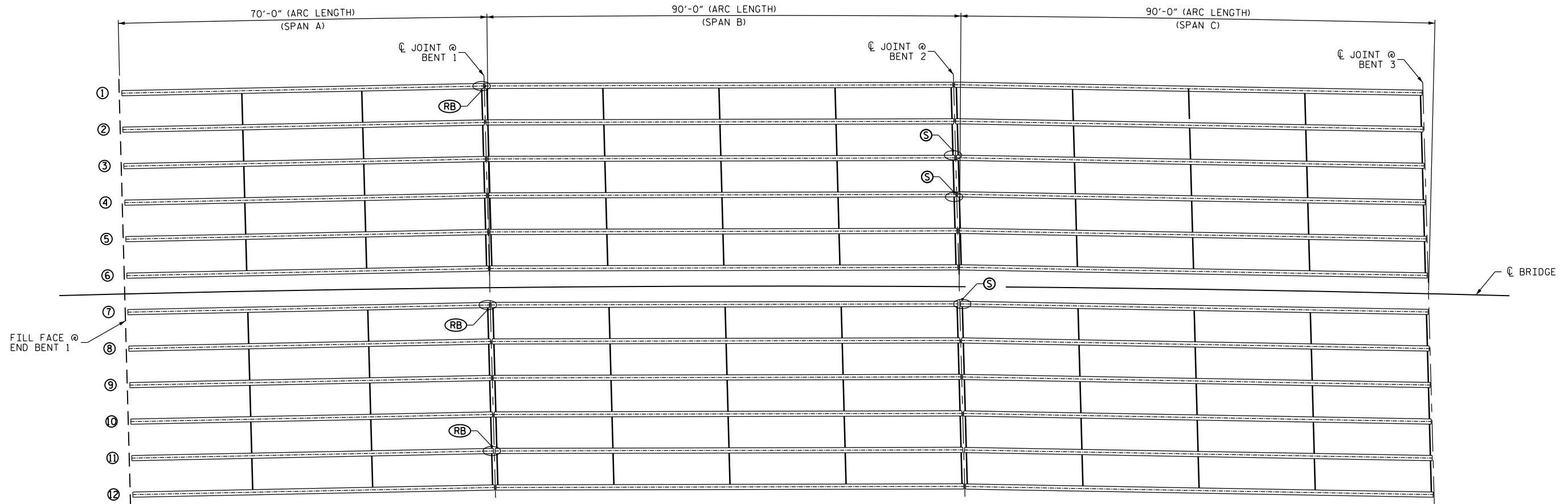


← TO WEAVERVILLE

→ TO MARS HILL



### BEAM & BEARING REPAIR LOCATIONS

(OTHER LOCATIONS MAY EXIST, SEE NOTES)

#### NOTES

FOR BEAM REPAIR DETAILS, SEE "BEAM END AND INTERMEDIATE REPAIR DETAILS" AND "BEAM PLATING REPAIR DETAILS" SHEETS.

FOR BRIDGE JACKING DETAILS, SEE "JACKING DETAILS" SHEET.

THE LOCATIONS AND DIMENSIONS OF THE AREAS FOR REPAIR ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR, IN CONJUNCTION WITH THE ENGINEER, SHALL VERIFY THE LOCATION AND EXTENT OF REPAIR AREAS PRIOR TO STEEL FABRICATION.

ALL BEARINGS REMOVED FOR CONCRETE REPAIRS TO THE BENT SHALL BE CLEANED, PAINTED AND RESET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL BE PAID UNDER THE CONTRACT UNIT PRICE FOR "REMOVE AND RESET BEARINGS".

ALL ANCHOR BOLTS, WASHERS, NUTS, SPACERS AND SLEEVES SHALL BE REMOVED AND REPLACED WHERE BEARINGS ARE REMOVED AND RESET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL BE PAID UNDER THE CONTRACT UNIT PRICE FOR "REMOVE AND RESET BEARINGS".

ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A449. NUTS SHALL MEET THE REQUIREMENTS OF AASHTO M291-DH OR AASHTO M292-2H. WASHERS SHALL MEET THE REQUIREMENTS OF AASHTO M293. SHOP DRAWINGS ARE NOT REQUIRED FOR ANCHOR BOLTS, NUTS AND WASHERS. SHOP INSPECTION IS REQUIRED.

THE CONTRACTOR SHALL ENSURE THAT EXISTING UTILITIES ADJACENT TO THE BRIDGE ARE NOT DAMAGED DURING THE REPAIR OPERATIONS.

BEAM END REPAIR		PLATING REPAIR		STIFFENER REPAIR		DIAPHRAGM REPAIR	
LBS.		LBS.		LBS.		LBS.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
—	—	—	—	130	—	—	—

SPAN	BEAM	LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"
B	3	BENT 2	1'-8"	—	—	—
B	4	BENT 2	1'-7"	—	—	—
C	7	BENT 2	1'-9"	—	—	—

EACH	
ESTIMATE	ACTUAL
12	

- ① BEAM NUMBER
- Ⓟ BEAM END REPAIR
- Ⓟ PLATING REPAIR
- Ⓢ STIFFENER REPAIR
- Ⓞ DIAPHRAGM REPAIR
- ⓇⓈ REMOVE & RESET BEARINGS

PROJECT NO. I-5892  
BUNCOMBE COUNTY  
 BRIDGE NO. 429

SHEET 1 OF 2

DocuSigned by:  
*John A. Yannaccone*  
 7BC...  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 32492  
 JOHN A. YANNACCONE  
 ENGINEER  
 1/21/2017

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**BEAM AND BEARING REPAIRS  
 SPANS A, B, & C**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-44
1			3			TOTAL SHEETS 68
2			4			

DRAWN BY : R.L. PUTEK DATE : 06/16  
 CHECKED BY : S. WANCE DATE : 10/16

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED