



**BEAM REPAIR LOCATIONS**

(OTHER LOCATIONS MAY EXIST, SEE NOTES)

- ① BEAM NUMBER
- Ⓑ BEAM END REPAIR
- Ⓟ PLATING REPAIR
- Ⓢ STIFFENER REPAIR
- Ⓣ DIAPHRAGM REPAIR

**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.

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

**ANTICIPATED BEAM REPAIR LOCATIONS**

SPAN	BEAM	LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"
A	1	BENT 1	6"	2'-0"	—	—
B	1	BENT 1	2'-6"	1'-0"	1'-6"	2'-4"
B	1	BENT 1	8"	9'-2"	—	—
B	2	BENT 1	3"	—	—	—
B	3	BENT 1	3"	—	—	—
B	6	BENT 1	10"	2'-6"	—	—
B	1	BENT 2	2'-6"	10"	10"	3'-4"
B	2	BENT 2	5"	—	—	—
B	3	BENT 2	6"	2'-6"	—	—
B	5	BENT 2	3"	—	—	—
B	6	BENT 2	2'-6"	10"	6"	2'-0"
C	1	BENT 2	2'-6"	4'-0"	6"	3'-0"
C	4	BENT 2	6"	2'-7"	—	—
C	5	BENT 2	3"	—	—	—
C	5	BENT 2	3"	—	—	—
C	1 & 2	BENT 2	REPLACE EXISTING STEEL CHANNEL DIAPHRAGM WITH C15 X 33.9			

**BEAM REPAIR QUANTITY TABLE**

BEAM END REPAIR		STIFFENER REPAIR		PLATING REPAIR		DIAPHRAGM REPAIR	
LBS.		LBS.		LBS.		LBS.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
1,110		35		685		305	

PROJECT NO. I-5892  
BUNCOMBE COUNTY  
 BRIDGE NO. 422

DocuSigned by:  
*John A. Yannaccone*  
 7BC...  
 NORTH CAROLINA  
 PROFESSIONAL ENGINEER  
 SEAL  
 32492  
 JOHN A. YANNAKONE

1/21/2017

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**BEAM REPAIR LOCATIONS**

DRAWN BY : CL BRIGHT DATE : 06/16  
 CHECKED BY : S. WANCE DATE : 06/16

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DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-34
1			3			TOTAL SHEETS
2			4			68