



FRAMING PLAN

- ① - BEAM NUMBER
- Ⓟ - BEAM END REPAIR
- Ⓒ - CONNECTOR PLATE REPAIR
- ⓈⒹ - STEEL DIAPHRAGM REPLACEMENT
- ⒸⒹ - CONCRETE DIAPHRAGM REPAIR
- ⓈⓂ - STEEL DIA. MODIFICATIONS

**NOTES:**  
FOR BEAM REPAIR DETAILS, SEE "BEAM END REPAIR DETAILS" SHEETS.

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.

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

FOR CONCRETE DIAPHRAGM REPAIR, SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

FOR STEEL DIAPHRAGM MODIFICATION, SEE "BEAM END REPAIR DETAILS" SHEET.

ANTICIPATED BEAM REPAIR LOCATIONS

SPAN	BEAM	LOCATION	REPAIR TYPE	*DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
A	1	BENT 1	BE	7"	-	-	3'-0"	-	-
A	1	BENT 1	C	8"	-	-	-	-	-
A	6	BENT 1	BE	7"	-	-	3'-0"	-	-
A	6	BENT 1	C	8"	-	-	-	-	-
B	1	BENT 1	BE	7"	-	-	3'-0"	-	-
B	1	BENT 1	C	8"	-	-	-	-	-
B	5	BENT 1	C	1'-9"	-	-	-	-	-
B	5	BENT 1	C	1'-9"	-	-	-	-	-
B	6	BENT 1	BE	7"	-	-	3'-0"	-	-
B	6	BENT 1	C	8"	-	-	-	-	-
B	1	BENT 2	BE	7"	-	-	3'-0"	-	-
B	1	BENT 2	C	8"	-	-	-	-	-
B	5	BENT 2	C	1'-9"	-	-	-	-	-
B	5	BENT 2	C	1'-9"	-	-	-	-	-
B	6	BENT 2	BE	7"	-	-	3'-0"	-	-
B	6	BENT 2	C	8"	-	-	-	-	-
C	1	BENT 2	BE	2'-5"	1'-7"	7"	3'-0"	9"	-
C	1	BENT 2	C	2'-6"	-	-	-	-	-
C	2	BENT 2	C	1'-9"	-	-	-	-	-
C	2	BENT 2	C	1'-9"	-	-	-	-	-
C	5	BENT 2	C	1'-9"	-	-	-	-	-
C	5	BENT 2	C	1'-9"	-	-	-	-	-
C	6	BENT 2	BE	7"	-	-	3'-0"	-	-
C	6	BENT 2	C	8"	-	-	-	-	-

\*DIM "A" FOR "BE" REPAIR REFER TO "BEAM END REPAIR DETAIL".  
FOR DIM "A" FOR "C" REPAIR REFER TO CONN. REPAIR DETAIL.

FOR REPAIRS TO BEAMS 1 & 6 SEE "BEAMS 1 & 6 BEAM END REPAIR DETAILS"

FOR REPAIRS TO BEAMS 2-5 SEE "BEAMS 2-5 BEAM END REPAIR DETAILS".

ANTICIPATED DIAPHRAGM REPAIR LOCATIONS

SPAN	BAY	LOCATION	REPAIR TYPE	DIM "A"
A	1	BENT 1	CD	3-0"
A	3	BENT 1	CD	1'-4"
A	4	BENT 1	SD	-
A	5	BENT 1	SD	-
B	2	BENT 1	CD	2'-6"
B	4	BENT 1	CD	2'-5"
B	4	BENT 1	CD	4'-0"
B	3	BENT 2	CD	1'-6"

BEAM REPAIR QUANTITY TABLE

	ESTIMATED	ACTUAL
BEAM END REPAIR	10,552 LBS.	
CONNECTOR PLATE REPAIR	364 LBS.	
STEEL DIAPHRAGM REPLACEMENT	678 LBS.	
CONC. DIAPHRAGM REPAIR	11.5 CU. FT.	

PROJECT NO. I-5889A  
BUNCOMBE COUNTY  
BRIDGE NO. 378



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

BEAM REPAIR LOCATIONS

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.  
S-192  
TOTAL SHEETS  
208

DRAWN BY: M.A.LEE DATE: 10/2017  
CHECKED BY: R.NELSON DATE: 10/2017

PLANS PREPARED BY:  
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Excellence Delivered As Promised [NC Lic. No. F-0270]

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