



**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.

- ① - BEAM NUMBER
- Ⓟ - BEAM END REPAIR
- Ⓢ - CONNECTOR PLATE REPAIR
- Ⓢ - STEEL DIAPHRAGM REPLACEMENT
- Ⓢ - CONCRETE DIAPHRAGM REPAIR

**ANTICIPATED BEAM REPAIR LOCATIONS**

SPAN	BEAM	LOCATION	REPAIR TYPE	* DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
A	1	BENT 1	BE	1'-8"	1'-3"	6"	3'-5"	1'-6"
A	1	BENT 1	C	1'-9"	-	-	-	-
A	2	BENT 1	BE	1'-8"	1-3"	6"	2'-4"	-
A	2	BENT 1	C	1'-9"	-	-	-	-
A	2	BENT 1	C	1'-9"	-	-	-	-
A	8	BENT 1	BE	1'-8"	1-3"	6"	2'-6"	7"
A	8	BENT 1	C	1'-9"	-	-	-	-
B	1	BENT 1	BE	1'-8"	1-3"	6"	3'-0"	1'-1"
B	1	BENT 1	C	1'-9"	-	-	-	-
B	2	BENT 1	BE	1'-8"	1-3"	6"	5'-11"	4'-0"
B	2	BENT 1	C	1'-9"	-	-	-	-
B	2	BENT 1	C	1'-9"	-	-	-	-
B	8	BENT 1	BE	1'-8"	1-3"	6"	5'-8"	3'-9"
B	8	BENT 1	C	1'-9"	-	-	-	-
B	1	BENT 2	BE	1'-8"	1-3"	6"	3'-0"	1'-1"
B	1	BENT 2	C	1'-9"	-	-	-	-
B	8	BENT 2	BE	1'-8"	1-3"	6"	3'-5"	1'-6"
B	8	BENT 2	C	1'-9"	-	-	-	-
C	1	BENT 2	BE	1'-8"	1-3"	6"	5'-2"	3'-3"
C	1	BENT 2	C	1'-9"	-	-	-	-
C	2	BENT 2	BE	1'-8"	1-3"	6"	5'-0"	3'-1"
C	2	BENT 2	C	1'-9"	-	-	-	-
C	2	BENT 2	C	1'-9"	-	-	-	-
C	8	BENT 2	BE	1'-8"	1-3"	6"	4'-3"	2'-4"
C	8	BENT 2	C	1'-9"	-	-	-	-

**FRAMING PLAN**

**ANTICIPATED DIAPHRAGM REPAIR LOCATIONS**

SPAN	BAY	LOCATION	REPAIR TYPE	DIM "A"
A	2	BENT 1	SD	-
A	3	BENT 1	CD	4'-0"
A	4	BENT 1	CD	2'-6"
A	5	BENT 1	CD	7'-0"
A	5	BENT 1	SD	-
A	6	BENT 1	CD	2'-4"
B	7	BENT 1	SD	-

**BEAM REPAIR QUANTITY TABLE**

	ESTIMATED	ACTUAL
BEAM END REPAIR	1982 LBS.	
CONNECTOR PLATE REPAIR	133 LBS.	
CONC. DIAPHRAGM REPAIR	12.4 CU. FT.	
STEEL DIAPHRAGM REPLACEMENT	336 LBS.	

PROJECT NO. I-5889A  
BUNCOMBE COUNTY  
 BRIDGE NO. 366



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**BEAM REPAIR LOCATIONS**

DRAWN BY: M.A. LEE DATE: 9/2017  
 CHECKED BY: R.F. WERTMAN DATE: 10/2017

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

PLANS PREPARED BY:  
**Gannett Fleming**  
 Excellence Delivered As Promised  
 2610 Wycliff Road  
 Suite 102  
 Raleigh, NC 27607-3073  
 (919) 420-7660  
 NC Lic. No. F-0270

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

TOTAL SHEETS: 208