

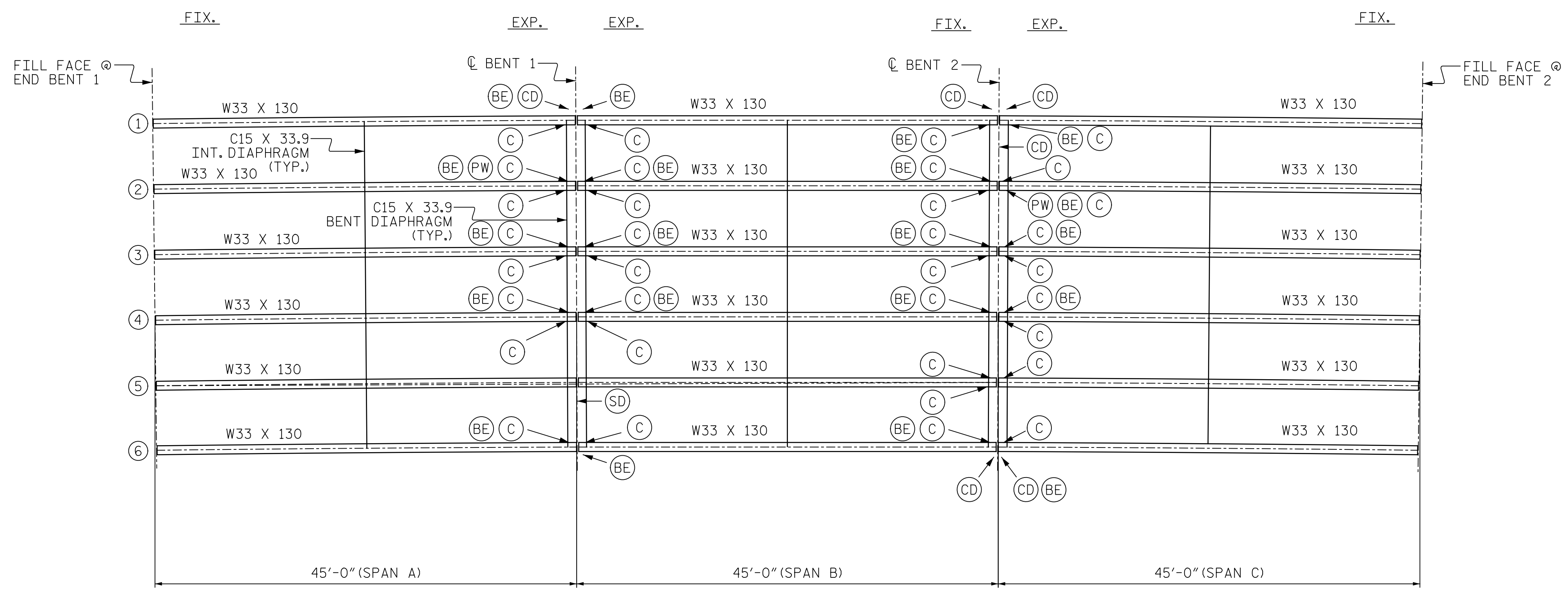
NOTES:
 FOR BEAM REPAIR DETAILS, SEE "BEAM END REPAIR DETAILS" SHEETS.

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.



FRAMING PLAN

- ① - BEAM NUMBER
- BE - BEAM END REPAIR
- PW - PLATING WEB REPAIR
- C - CONNECTOR PLATE REPAIR
- SD - STEEL DIAPHRAGM REPLACEMENT
- CD - CONCRETE DIAPHRAGM REPAIR

ANTICIPATED DIAPHRAGM REPAIR LOCATIONS

SPAN	BAY	LOCATION	REPAIR TYPE	DIM "A"
B	LT. EXT.	BENT 1	CD	1'-6"
B	5	BENT 1	SD	-
B	LT. EXT.	BENT 2	CD	1'-6"
B	RT. EXT.	BENT 2	CD	1'-6"
C	LT. EXT.	BENT 2	CD	1'-6"
C	5	BENT 2	CD	3'-0"
C	RT. EXT.	BENT 2	CD	1'-6"

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	8"	-	-	1'-10"	-	-
A	1	BENT 1	C	9"	-	-	-	-	-
A	2	BENT 1	BE	6"	-	-	1'-7"	-	-
A	2	BENT 1	PW	6"	6"	-	-	-	-
A	2	BENT 1	C	7"	-	-	-	-	-
A	2	BENT 1	C	7"	-	-	-	-	-
A	3	BENT 1	BE	6"	-	-	1'-8"	-	-
A	3	BENT 1	C	7"	-	-	-	-	-
A	3	BENT 1	C	7"	-	-	-	-	-
A	4	BENT 1	BE	6"	-	-	1'-3"	-	-
A	4	BENT 1	C	7"	-	-	-	-	-
A	4	BENT 1	C	7"	-	-	-	-	-
A	6	BENT 1	BE	1'-1"	1'-8"	8"	6'-0"	2'-4"	-
A	6	BENT 1	C	1'-2"	-	-	-	-	-
B	1	BENT 1	BE	2'-2"	1'-3"	6"	2'-6"	10'-6"	1'-0"
B	1	BENT 1	C	2'-3"	-	-	-	-	-
B	2	BENT 1	BE	6"	-	-	1'-6"	-	-

BEAM REPAIR QUANTITY TABLE

	ESTIMATED	ACTUAL
BEAM END REPAIR	8414 LBS.	
PLATING WEB REPAIR	11 LBS.	
CONNECTOR PLATE REPAIR	136 LBS.	
STEEL DIAPHRAGM REPLACEMENT	238 LBS.	
CONCRETE DIAPHRAGM REPAIR	8.2 C.F.	

PROJECT NO. I-5889A
BUNCOMBE COUNTY
 BRIDGE NO. 374

SHEET 1 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BEAM REPAIR LOCATIONS

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

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

PLANS PREPARED BY:
Gannett Fleming
 Excellence Delivered As Promised

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

TOTAL SHEETS: 208