

ANTICIPATED STEEL REPAIR LOCATIONS							
SPAN	BEAM	LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
C	3	BENT 2	4"	76"			
C	3	BENT 2	4"	76"			
C	4	BENT 2	4"	78"			
C	4	BENT 2	4"	78"			

BEAM REPAIR QUANTITY TABLE					
STEEL PLATES		BRIDGE JACKING		STIFFENER	
LBS.		EA.		LBS.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
110.0		0		0.0	
STEEL LATERAL BRACING		HARDWARE REPAIR		BEAM END REPAIR	
LBS.		LBS.		LBS.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
0.0		0.0		0.0	
STEEL KEEPER ANGLE ASSEMBLY					
EA.					
ESTIMATE	ACTUAL				
1					

AS-BUILT REPAIR QUANTITY TABLE				
UNDERSIDE OF DECK REPAIRS - SPAN C				
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
UNDERSIDE OF DECK	0.0	0.0		
BENT DIAPHRAGM	0.0	0.0		
OVERHANG	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
UNDERSIDE OF DECK	0.0	0.0		
BENT DIAPHRAGM	0.0	0.0		
OVERHANG	0.0	0.0		
EPOXY RESIN INJECTION	LIN. FT.		LIN. FT.	
UNDERSIDE OF DECK	0.0			
BENT DIAPHRAGM	1.5			
OVERHANG	0.0			

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1" BEHIND REBAR AND MINIMUM 2" CLEARANCE TO SAWCUT. SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

NOTES

FOR UNDERSIDE OF DECK REPAIRS. SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

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

FOR BEAM PLATING REPAIR. SEE "BEAM PLATING REPAIR DETAILS" SHEETS.

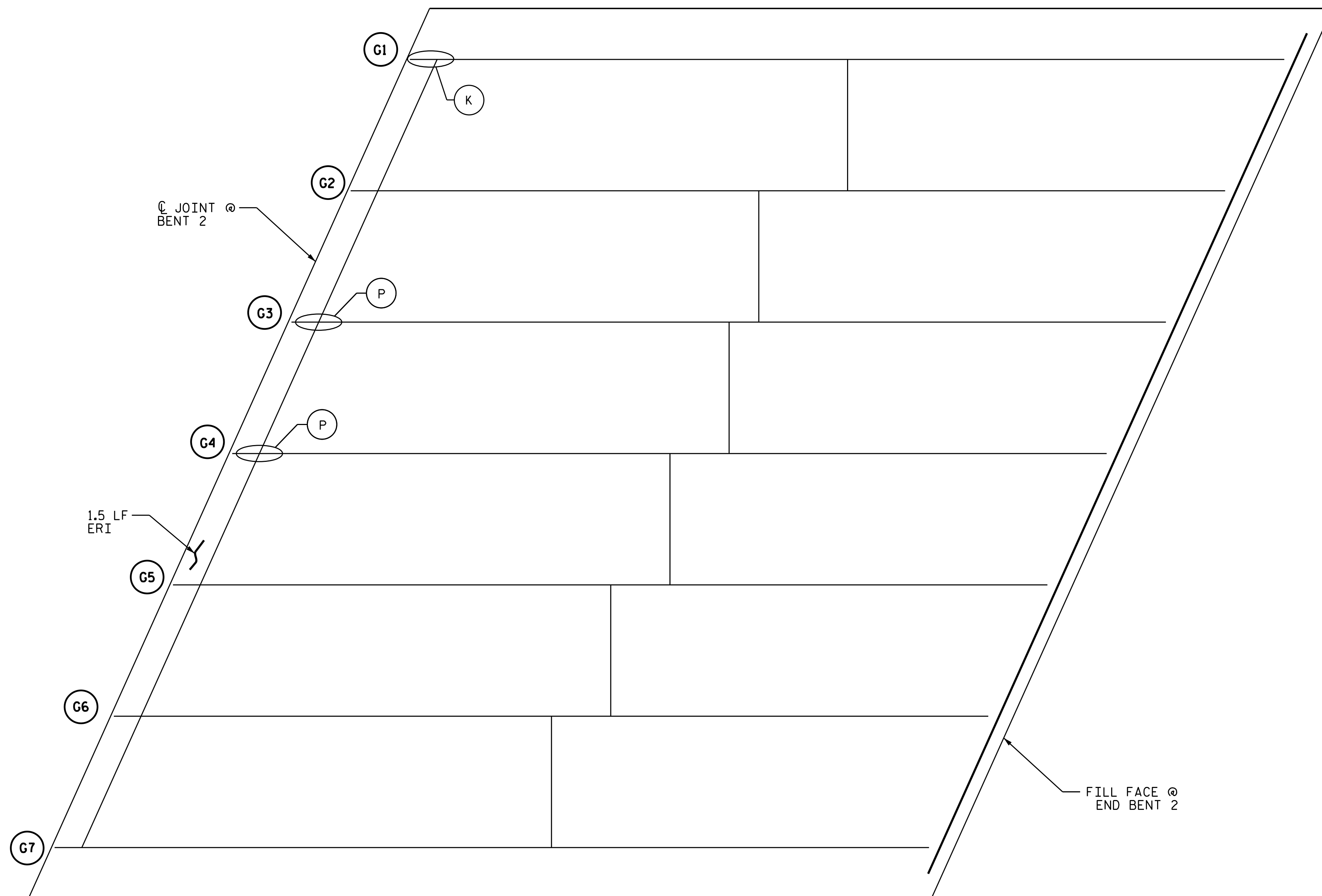
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

SHOTCRETE REPAIRS MAY BE REPLACED WITH CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR STEEL BEARING KEEPER ANGLE ASSEMBLY, SEE SPECIAL PROVISIONS.



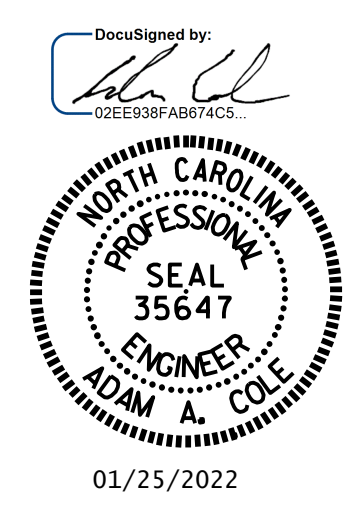
PLAN OF SPAN C

- (1) BEAM NUMBER
- (B) BEAM END REPAIR
- (P) PLATING REPAIR
- (S) STIFFENER REPAIR
- (F) BOTTOM FLANGE REPAIR
- (H) HARDWARE REPAIR
- (G) GUSSET PLATE REPAIR
- (L) LATERAL BRACE REPAIR
- (J) TYPE I BRIDGE JACKING
- (K) STEEL KEEPER ANGLE ASSEMBLY

- SHOTCRETE REPAIR AREA
- ERI - EPOXY RESIN INJECTION

PROJECT NO. 15BPR.51
GASTON COUNTY
 BRIDGE NO. 350046

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
DECK UNDERSIDE REPAIR SPAN C

DRAWN BY : GHOLAMREZA KOUCHEKI DATE : 11/2021
 CHECKED BY : H.A. LOCKLEAR DATE : 11/2021

NO.	REVISIONS			SHEET NO.
	BY:	DATE:	NO.	
1			3	S1-13 TOTAL SHEETS 67
2			4	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED