

PLAN

NOTES

FOR BEAM REPAIR DETAILS, SEE "BEAM SECTION REPAIR DETAILS" SHEET.  
 FOR BEAM PLATING DETAILS, SEE "BEAM PLATING REPAIR DETAILS" SHEET.  
 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. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.  
 FOR UNDERSIDE OF DECK AND DIAPHRAGM REPAIRS, SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

- UNDERSIDE REPAIR
- ~ EPOXY RESIN INJECTION (ERI)
- ① BEAM NUMBER
- Ⓟ BEAM END REPAIR
- Ⓟ PLATING REPAIR
- Ⓢ STIFFENER REPAIR
- Ⓧ STEEL DIAPHRAGM REPAIR

ANTICIPATED BEAM REPAIR LOCATIONS						
SPAN	BEAM	LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"
B	3	BENT 1	6"	-	-	-
B	3	BENT 1	6"	-	-	-
B	6	BENT 1	8"	-	-	-
B	7	BENT 1	6"	-	-	-
B	7	BENT 1	6"	-	-	-
B	8	BENT 2	8"	-	-	-
B	8	BENT 2	9"	-	-	-
B	14	BENT 2	9"	6"	-	-
B	18	BENT 2	9"	2'-10"	-	-

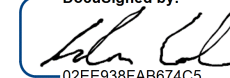
BEAM REPAIR QUANTITY TABLE							
BEAM END REPAIR		PLATING REPAIR		STIFFENER REPAIR		DIAPHRAGM REPAIR	
LBS.		LBS.		LBS.		LBS.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
0		100		45		0	

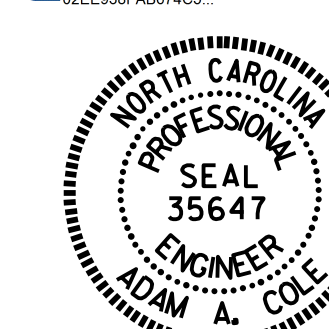
AS-BUILT REPAIR QUANTITY TABLE				
UNDERSIDE OF DECK REPAIRS				
SHOTCRETE REPAIRS	ESTIMATE		ACTUAL	
	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
UNDERSIDE OF DECK	0.0	0.0		
UNDERSIDE OF OVERHANG	28.1	9.4		
INTERIOR DIAPHRAGMS	0.0	0.0		
	ESTIMATE		ACTUAL	
UNDERSIDE EPOXY RESIN INJECTION	0.0 LIN. FT.			

UNDERSIDE OF DECK REPAIR QUANTITIES REPRESENT ESTIMATED VALUES OF DECK REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1" BEHIND REBAR AND MINIMUM OF 2" CLEAR TO SAWCUT. SEE REPAIR DETAILS.

PROJECT NO. I-5746C  
MECKLENBURG COUNTY  
 BRIDGE NO. 590326

SHEET 2 OF 3

DocuSigned by:  
  
 02E839F4B014C5...



8/23/2021

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

DRAWN BY : R.L. PUTEK/E. BAYISSA DATE : 07/2021  
 CHECKED BY : H.A. LOCKLEAR DATE : 07/2021

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S6-9
2			4			TOTAL SHEETS 274