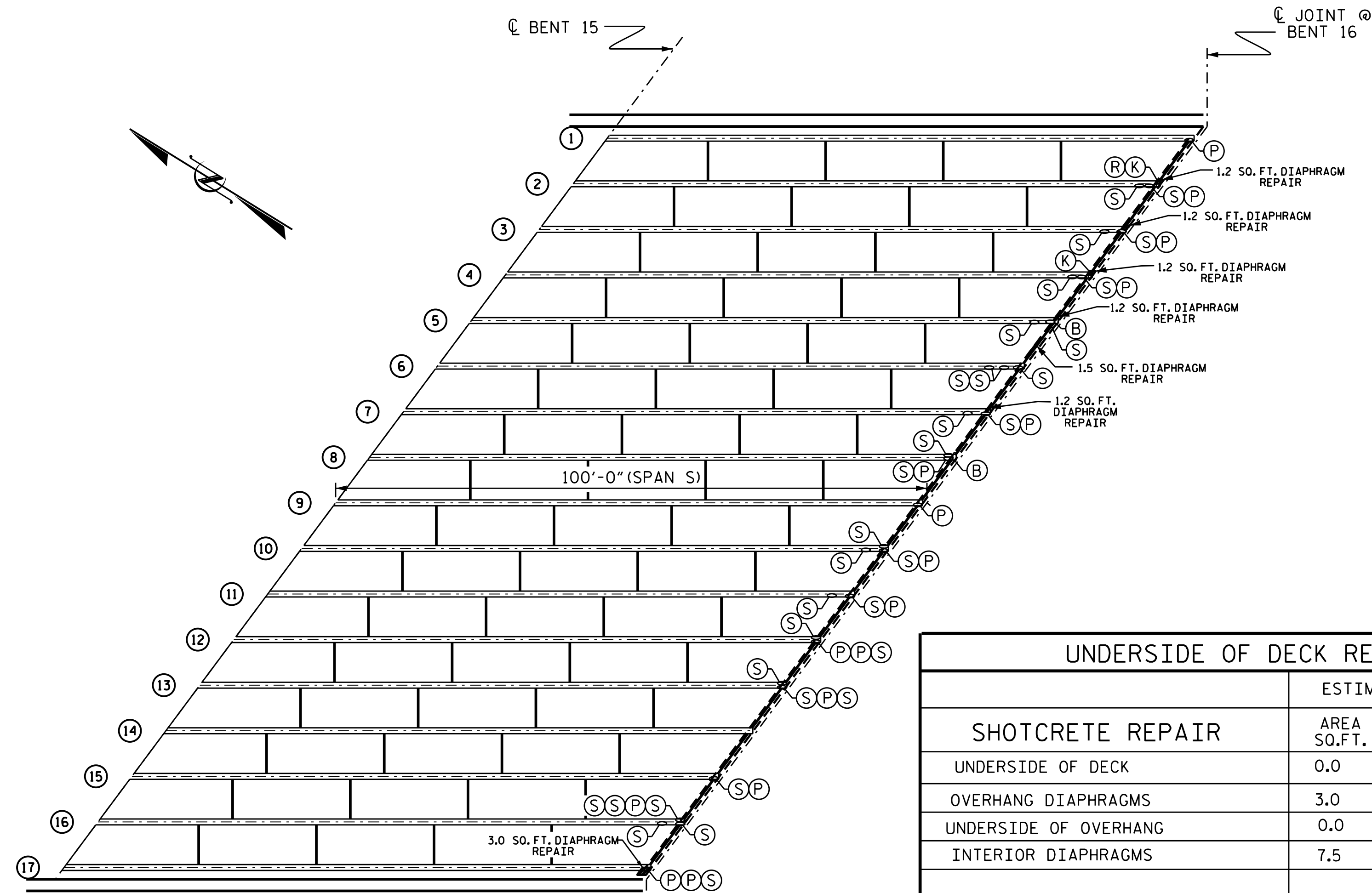


### ANTICIPATED BEAM REPAIR LOCATIONS

SPAN	BEAM	LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"
S	1	BENT 16	2'-5"	1'-4"	-	-
S	2	BENT 16	7"	5"	8"	9"
S	2	BENT 16	3'-3"	-	-	-
S	2	BENT 16	6"	-	-	-
S	3	BENT 16	2'-5"	1'-0"	-	-
S	3	BENT 16	9"	-	-	-
S	3	BENT 16	6"	-	-	-
S	4	BENT 16	1'-9"	11"	-	-
S	4	BENT 16	3'-3"	-	-	-
S	4	BENT 16	6"	-	-	-
S	5	BENT 16	9"	3'-9"	-	-
S	5	BENT 16	9"	-	-	-
S	5	BENT 16	9"	-	-	-
S	6	BENT 16	3'-3"	-	-	-
S	6	BENT 16	6"	-	-	-
S	6	BENT 16	3"	-	-	-
S	7	BENT 16	2'-0"	10"	-	-
S	7	BENT 16	3'-3"	-	-	-
S	7	BENT 16	10"	-	-	-
S	8	BENT 16	3'-3"	-	-	-
S	8	BENT 16	7"	3'-6"	-	-
S	8	BENT 16	3'-3"	-	-	-
S	8	BENT 16	1'-8"	10"	-	-
S	9	BENT 16	1'-7"	10"	-	-
S	10	BENT 16	2'-3"	1'-0"	-	-
S	10	BENT 16	3'-3"	-	-	-
S	10	BENT 16	8"	-	-	-
S	11	BENT 16	3'-3"	-	-	-
S	11	BENT 16	6"	-	-	-
S	11	BENT 16	1'-8"	10"	-	-
S	12	BENT 16	3'-3"	-	-	-
S	12	BENT 16	1'-8"	11"	-	-
S	12	BENT 16	8"	2'-0"	-	-
S	12	BENT 16	3'-3"	-	-	-
S	13	BENT 16	3'-3"	-	-	-
S	13	BENT 16	1'-7"	10"	-	-
S	13	BENT 16	3'-3"	-	-	-
S	13	BENT 16	9"	-	-	-
S	15	BENT 16	1'-7"	10"	-	-
S	15	BENT 16	3'-3"	-	-	-
S	16	BENT 16	2'-3"	1'-2"	-	-
S	16	BENT 16	3"	-	-	-
S	16	BENT 16	4"	-	-	-
S	16	BENT 16	3'-3"	-	-	-
S	16	BENT 16	3'-3"	-	-	-
S	16	BENT 16	6"	-	-	-
S	17	BENT 16	1'-8"	11"	-	-
S	17	BENT 16	7"	-	-	-
S	17	BENT 16	11"	1'-0"	-	-



PLAN

- ① BEAM NUMBER
- ⓑ BEAM END REPAIR
- Ⓟ PLATING REPAIR
- Ⓢ STIFFENER REPAIR
- Ⓣ STEEL DIAPHRAGM REPAIR
- Ⓡ BEARING PLATE REPOSITIONING
- Ⓚ STEEL KEEPER ANGLE ASSEMBLY

UNDERSIDE OF DECK REPAIR				
	ESTIMATE		ACTUAL	
	AREA SQ.FT.	AREA SQ.FT.	AREA SQ.FT.	AREA SQ.FT.
SHOTCRETE REPAIR				
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG DIAPHRAGMS	3.0	1.0		
UNDERSIDE OF OVERHANG	0.0	0.0		
INTERIOR DIAPHRAGMS	7.5	2.5		
			ESTIMATE	ACTUAL
UNDERSIDE EPOXY RESIN INJECTION	0.0	0.0	0.0	0.0
UNDERSIDE EPOXY COATING	0	0	0	0

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.

- UNDERSIDE EPOXY COATING
- UNDERSIDE REPAIR
- DIAPHRAGM REPAIR
- EPOXY RESIN INJECTION (ERI)

### NOTES

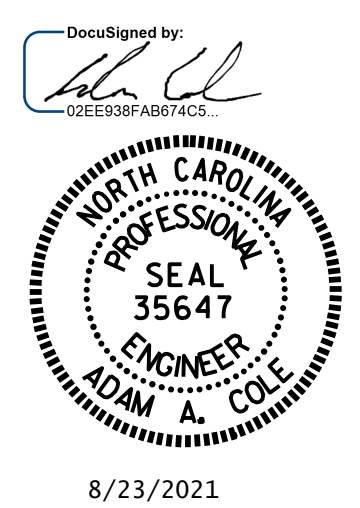
FOR BEAM REPAIR DETAILS, SEE "BEAM SECTION REPAIR DETAILS" SHEET.  
 FOR BEAM PLATING REPAIR, SEE "BEAM PLATING REPAIR DETAILS" SHEET.  
 FOR BRIDGE JACKING DETAILS, SEE "JACKING DETAILS" SHEET.  
 THE LOCATIONS AND DIMENSIONS OF THE AREAS FOR REPAIR ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR, 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 BEARING PLATE REPOSITIONING, SEE SPECIAL PROVISIONS.  
 FOR STEEL KEEPER ANGLE ASSEMBLY, SEE SPECIAL PROVISIONS.  
 FOR STEEL KEEPER ANGLE ASSEMBLY DETAILS, SEE "TYPICAL CAP AND COLUMN REPAIR DETAILS" SHEET.

### BEAM REPAIR QUANTITY TABLE

BEAM END REPAIR		PLATING REPAIR		STIFFENER REPAIR		DIAPHRAGM REPAIR		BEARING PLATE REPOSITIONING		STEEL KEEPER ANGLE ASSEMBLY	
LBS.		LBS.		LBS.		LBS.		EA.		EA.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
521		1184		726		0		1		2	

PROJECT NO. I-5746C  
 MECKLENBURG COUNTY  
 BRIDGE NO. 590332

SHEET 10 OF 11



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**DECK UNDERSIDE REPAIR**  
 SPAN S

DRAWN BY : REZA KOUCHEKI DATE : 07/2021  
 CHECKED BY : H. A. LOCKLEAR DATE : 07/2021

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			10-26
2			4			274