

### ANTICIPATED BEAM REPAIR LOCATIONS

SPAN	BEAM	LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"
T	1	BENT 16	9"	1'-3"	-	-
T	1	BENT 16	4'-8"	-	-	-
T	2	BENT 16	6"	9"	-	-
T	2	BENT 16	3'-3"	-	-	-
T	4	BENT 16	4"	-	-	-
T	6	BENT 16	6"	-	-	-
T	7	BENT 16	10"	-	-	-
T	8	BENT 16	7"	1'-9"	-	-
T	9	BENT 16	2"	-	-	-
T	10	BENT 16	3'-3"	-	-	-
T	10	BENT 16	10"	1'-0"	-	-
T	11	BENT 16	1'-8"	10"	-	-
T	11	BENT 16	8"	-	-	-
T	11	BENT 16	4"	-	-	-
T	12	BENT 16	8"	1'-4"	-	-
T	12	BENT 16	8"	-	-	-
T	12	BENT 16	8"	-	-	-
T	12	BENT 16	1'-8"	10"	-	-
T	13	BENT 16	2'-3"	1'-0"	-	-
T	13	BENT 16	3'-3"	-	-	-
T	13	BENT 16	10"	1'-6"	-	-
T	14	BENT 16	1'-9"	10"	-	-
T	14	BENT 16	5"	-	-	-
T	15	BENT 16	7"	-	-	-
T	15	BENT 16	10"	1'-4"	-	-
T	16	BENT 16	1'-7"	9"	-	-
T	16	BENT 16	3'-3"	-	-	-
T	17	BENT 16	7"	1'-4"	-	-
T	17	BENT 16	7"	-	-	-

### AS-BUILT REPAIR QUANTITY TABLE

#### UNDERSIDE OF DECK REPAIRS

SHOTCRETE REPAIRS	ESTIMATE		ACTUAL	
	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG DIAPHRAGMS	0.0	0.0		
UNDERSIDE OF OVERHANG	0.0	0.0		
INTERIOR DIAPHRAGMS	0.0	0.0		
	ESTIMATE		ACTUAL	
UNDERSIDE EPOXY RESIN INJECTION	75.0	LIN. FT.		
UNDERSIDE EPOXY COATING	0	SQ. 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.

### BEAM REPAIR QUANTITY TABLE

BEAM END REPAIR		PLATING REPAIR		STIFFENER REPAIR		DIAPHRAGM REPAIR		BEARING REPAIR		STEEL KEEPER ANGLE ASSEMBLY	
LBS.		LBS.		LBS.		LBS.		EA.		EA.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
0		547		292		47		1		2	

### 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		547		292		47	

### 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.

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

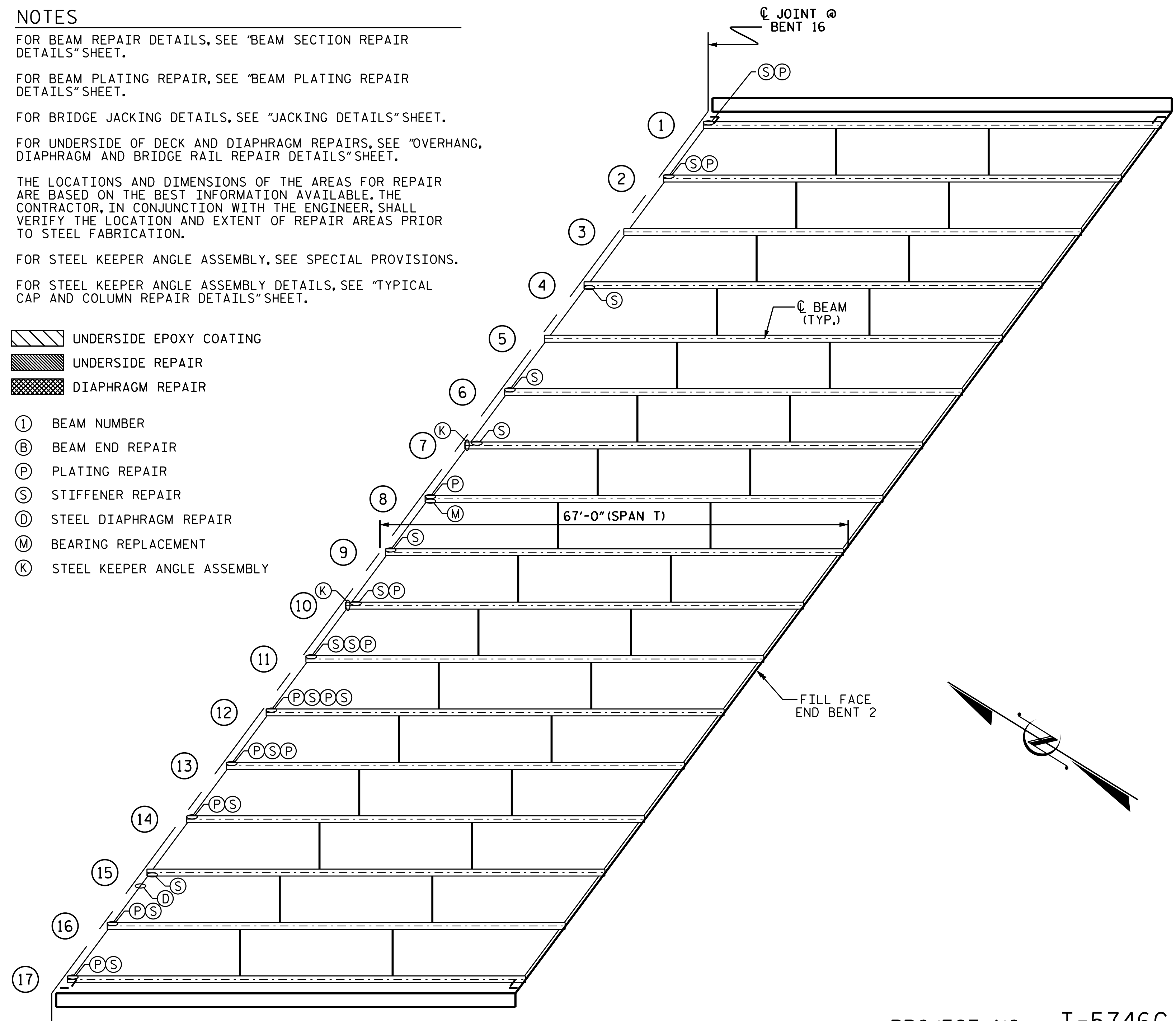
THE LOCATIONS AND DIMENSIONS OF THE AREAS FOR REPAIR ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR, IN CONJUNCTION WITH THE ENGINEER, SHALL VERIFY THE LOCATION AND EXTENT OF REPAIR AREAS PRIOR TO STEEL FABRICATION.

FOR STEEL KEEPER ANGLE ASSEMBLY, SEE SPECIAL PROVISIONS.

FOR STEEL KEEPER ANGLE ASSEMBLY DETAILS, SEE "TYPICAL CAP AND COLUMN REPAIR DETAILS" SHEET.

- UNDERSIDE EPOXY COATING
- UNDERSIDE REPAIR
- DIAPHRAGM REPAIR

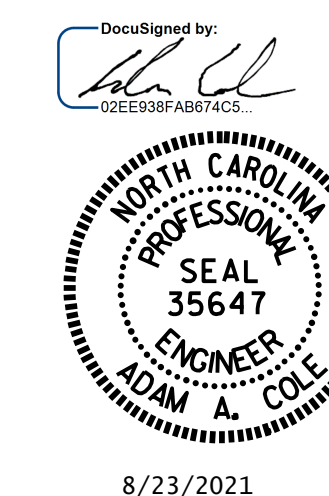
- ① BEAM NUMBER
- Ⓟ BEAM END REPAIR
- Ⓟ PLATING REPAIR
- Ⓢ STIFFENER REPAIR
- Ⓞ STEEL DIAPHRAGM REPAIR
- Ⓜ BEARING REPLACEMENT
- Ⓚ STEEL KEEPER ANGLE ASSEMBLY



### PLAN

PROJECT NO. I-5746C  
MECKLENBURG COUNTY  
 STATION: 590332

SHEET 11 OF 11



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

### DECK UNDERSIDE REPAIR SPAN T

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S10-27
2			4			TOTAL SHEETS 274

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: R.L. PUTEK/E. BAYISSA DATE: 06/2021  
 CHECKED BY: H. A. LOCKLEAR DATE: 06/2021