

SPAN A

SPAN B

**PLAN OF SPAN**  
(UNDERSIDE)

- SHOTCRETE REPAIR (SCR)
- ERI EPOXY RESIN INJECTION
- STEEL PLATING REPAIR
- FLANGE REPAIR
- STIFFNER REPAIR

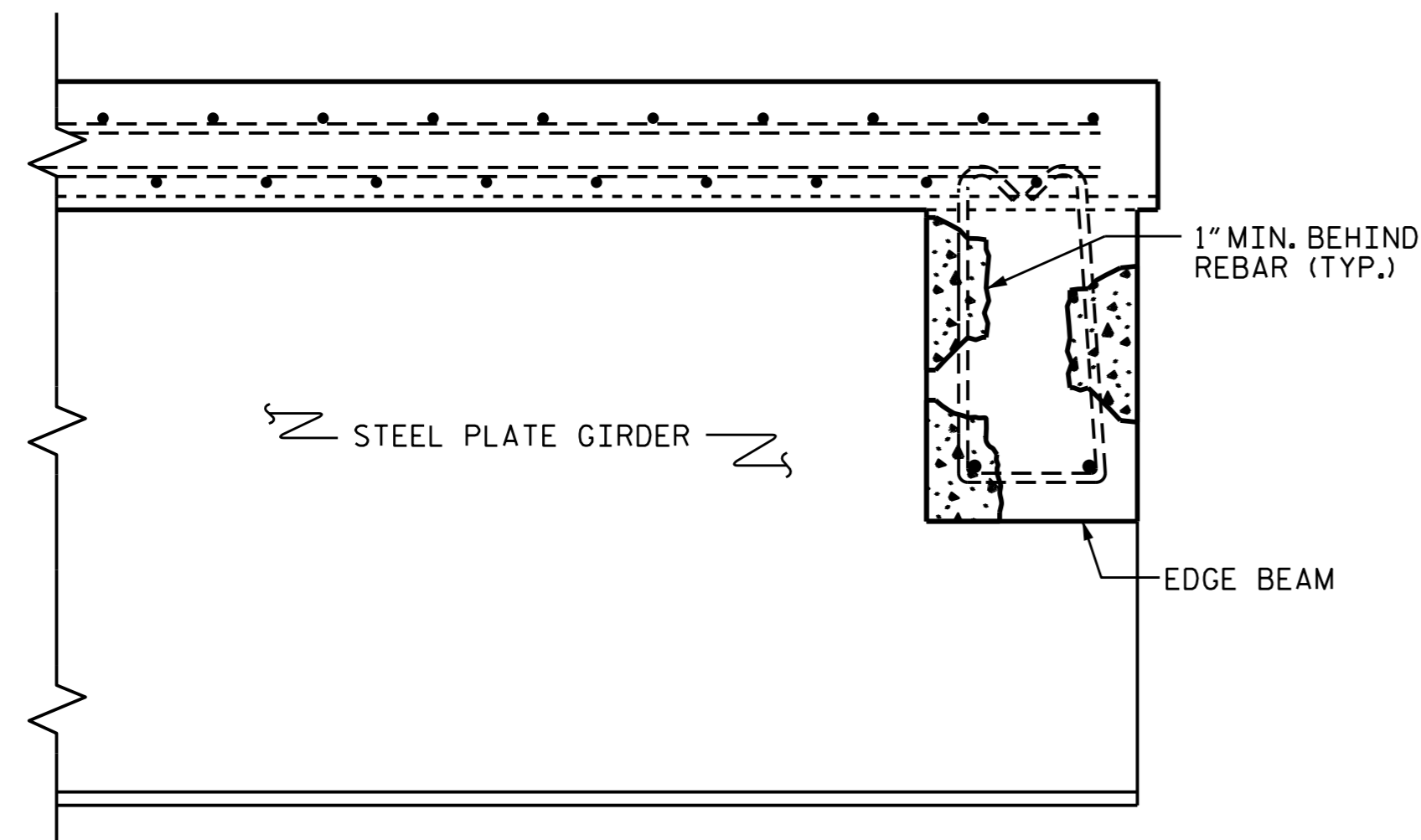
**NOTES:**

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

FOR GIRDER REPAIR DETAILS, SEE "STRUCTURAL STEEL REPAIR DETAILS," SHEET ON S-11.

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

REPAIR CONCRETE EDGE BEAM AS DIRECTED BY THE ENGINEER.



**SHOTCRETE REPAIR DETAILS**

IF REMOVAL OF UNSOUND CONCRETE RESULTS IN EXPOSING MORE THAN HALF THE DEPTH OF A REINFORCING BAR, REMOVE ADDITIONAL CONCRETE TO 1" BEHIND THE BAR WITHOUT DAMAGE TO REINFORCING BAR.

REPAIR QUANTITY TABLE								
UNDERSIDE OF DECK REPAIRS								
SHOTCRETE REPAIRS	SPAN A				SPAN B			
	ESTIMATE		ACTUAL		ESTIMATE		ACTUAL	
	AREA SF	VOLUME CF	AREA SF	VOLUME CF	AREA SF	VOLUME CF	AREA SF	VOLUME CF
UNDERSIDE OF DECK & OVERHANGS	0.0	0.0			0.0	0.0		
EDGE BEAMS	1.2	0.3			5.3	1.3		
EPOXY RESIN INJECTION	ESTIMATE		ACTUAL		ESTIMATE		ACTUAL	
UNDERSIDE EPOXY RESIN INJECTION	0.0 LF				2.0 LF			
STEEL PLATE GIRDER REPAIRS								
	SPAN A				SPAN B			
	ESTIMATE		ACTUAL		ESTIMATE		ACTUAL	
	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.
PLATING REPAIRS	100				40			
BOTTOM FLANGE REPAIRS	150				100			
STIFFNER REPAIRS	50				10			

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

PROJECT NO. I-5788  
CUMBERLAND COUNTY  
 BRIDGE NO. 142

SHEET 1 OF 2



DocuSigned by:  
  
 058110228E18425  
 1/29/2016

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO. S-9	
SUPERSTRUCTURE REPAIRS						TOTAL SHEETS 72	
SPANS A & B							
REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:		
1			3				
2			4				

DRAWN BY : A. SORSENGINH DATE : 10/2015  
 CHECKED BY : S. B. WILLIAMS DATE : 10/2015