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 INSPECTOR OR ENGINEER THE CONTRACTOR 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 BENT DIAPHRAGM AND RC DECK GIRDER REPAIR DETAILS, SEE "TYPICAL GIRDER AND DIAPHRAGM REPAIR DETAILS" SHEET.

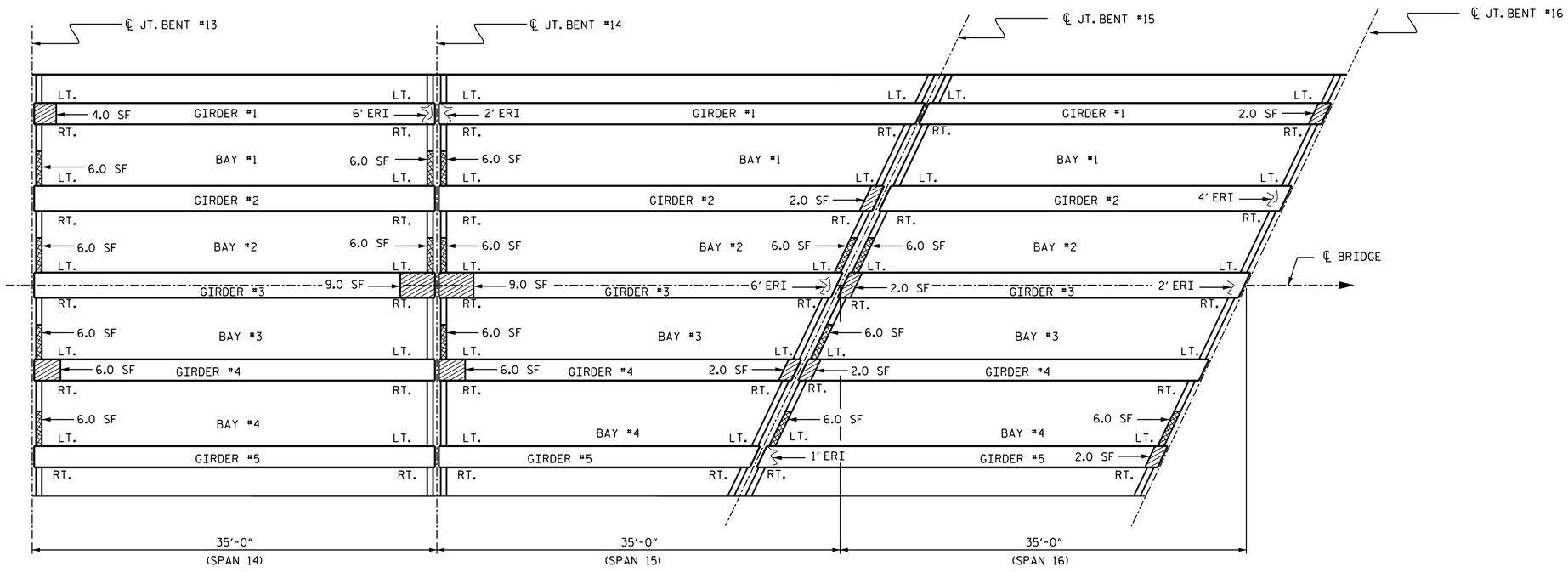
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

REPAIR QUANTITY TABLE

UNDERSIDE OF DECK	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SF	VOLUME CF	AREA SF	VOLUME CF
UNDERSIDE OF DECK & OVERHANG	0.0	0.0		
BENT DIAPHRAGMS	84.0	42.0		
GIRDER REPAIRS				
RC DECK GIRDERS	46.0	23.0		
EPOXY RESIN INJECTION		LN. FT		
BENT DIAPHRAGMS		0.0		
GIRDERS		24.0		

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND EXPOSED REBAR AND MIN. 2" CL TO SAWCUT. SEE REPAIR DETAILS.



PLAN OF SPAN

(UNDERSIDE)

- DIAPHRAGM REPAIR
- GIRDER REPAIR

ERI - EPOXY RESIN INJECTION

LT - LEFT SIDE

RT - RIGHT SIDE

PROJECT NO. 15BPR.4

NASH COUNTY

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SHEET 5 OF 9

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

GIRDER & DIAPHRAGM REPAIR SPANS 14 THRU 16

NORTH CAROLINA PROFESSIONAL SEAL 030024 ENGINEER ASTER G. ABRAHA

DocuSigned by: Aster Abraha
2/12/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S-27

TOTAL SHEETS 61

DRAWN BY : S. T. SANDOR DATE : 07/2017

CHECKED BY : M. AHMED DATE : 09/2017

12-FEB-2018 14:48
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