NOTES:

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

CRACKING LOCATIONS AND QUANTITIES FOR LOCATIONS DESCRIBED AS "SCATTERED THROUGHOUT" IN THE INSPECTION REPORT ARE BASED ON THE BEST INFORMATION AVAILABLE. THE ENGINEER AND CONTRACTOR SHALL IDENTIFY AND REPAIR ALL CRACKS >= 1/16" AS DESCRIBED IN THE SPECIAL PROVISIONS.

AVERAGE CONCRETE COVER IS EXPECTED AS FOLLOWS;

DECK & DIAPHRAGMS: 21/2"

GIRDERS: $2\frac{1}{2}$ " TO REBAR AND $1\frac{1}{2}$ " TO P/S STRANDS

FOR CONCRETE AND SHOTCRETE REPAIRS, SEE "CONCRETE RESTORATION DETAILS"

SHOTCRETE REPAIRS MAY BE REPLACED WITH CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS FOR "PRESTRESSED CONCRETE GIRDERS WITH THERMAL SPRAY ANODE".

ADDITIONAL QUANTITIES OF CONCRETE REPAIR AREAS ARE ANTICIPATED. DUE TO LACK OF INFORMATION, ALL AREAS ARE NOT KNOWN. QUANTITY INCLUDES CONTINGENCIES AND ARE ANTICIPATED TO BE SUFFICIENT FOR ACTUAL QUANTITIES ENCOUNTERED.

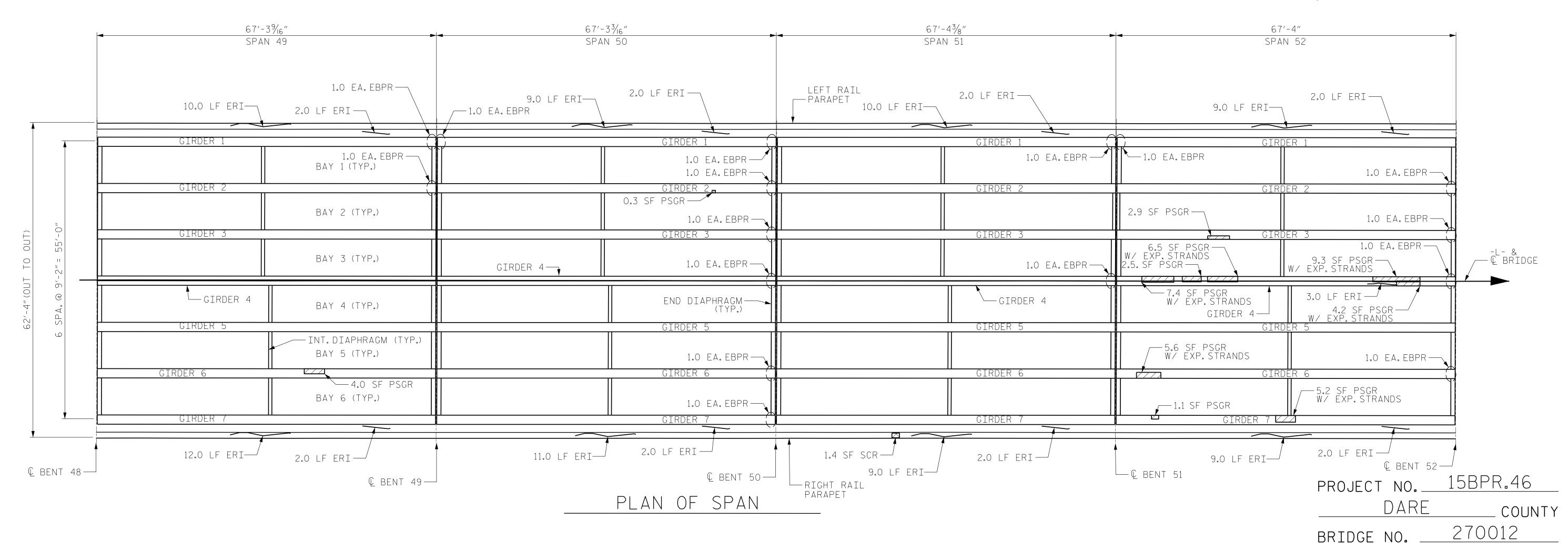
CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL MISSING AND/OR DAMAGED RAIL COMPONENTS, AS WELL AS TIGHTENING ALL LOOSE RAIL CONNECTIONS.

FOR 2-BAR METAL RAIL REPAIRS, SEE SPECIAL PROVISIONS.

FOR BEARINGS, SEE BEARING REPLACEMENT SHEETS.

LEGEND		AS-BUILT REPAIR QUANTITY TABLE				
P/S CONC.GIRDER REPAIR (PSGR)			QUANTITIES			
			ESTIMATE		ACTUAL	
	SHOTCRETE REPAIR (SCR)	SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ.FT.	VOLUME CU.FT.
	EPOXY RESIN INJECTION (ERI)	UNDERSIDE OF DECK & OVERHANG				
	ELASTOMERIC BEARING PAD REPLACEMENT (EBPR)	DIAPHRAGMS				
		RAILS	1.4	0.7		
		P/S CONC.GIRDER REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
		GIRDERS	49.0	24.5		
		EPOXY RESIN INJECTION	LIN.FT.		LIN. FT.	
		DECK, DIAPHRAGMS, AND PARAPETS	95.0			
		GIRDERS	3.0			

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE. MINIMUM OF 1"BEHIND REBAR AND MINIMUM 2"CLEARANCE TO SAWCUT. FOR REPAIR DETAILS, SEE "CONCRETE RESTORATION DETAILS" SHEETS.



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPAIRS

SPANS 49 THRU 52

WISINGER CAMPO

& ASSOCIATES

301 FAYETTEVILLE ST., SUITE 1500 RALEIGH, NC 27601 (919) 882-7839

FINAL UNLESS ALL

SIGNATURES COMPLETED NC FIRM LICENSE: C-1506

SHEET NO REVISIONS S-38 DATE: DATE: BY: NO. BY: TOTAL SHEETS 137

ALLEN J.MCSWAIN _ DATE : 9/30/2020 DRAWN BY : ____ DATE : 10/1/2020 JACOB H. DUKE

10/19/2021 15BPR.46_SMU_DUR16_270012.dgn