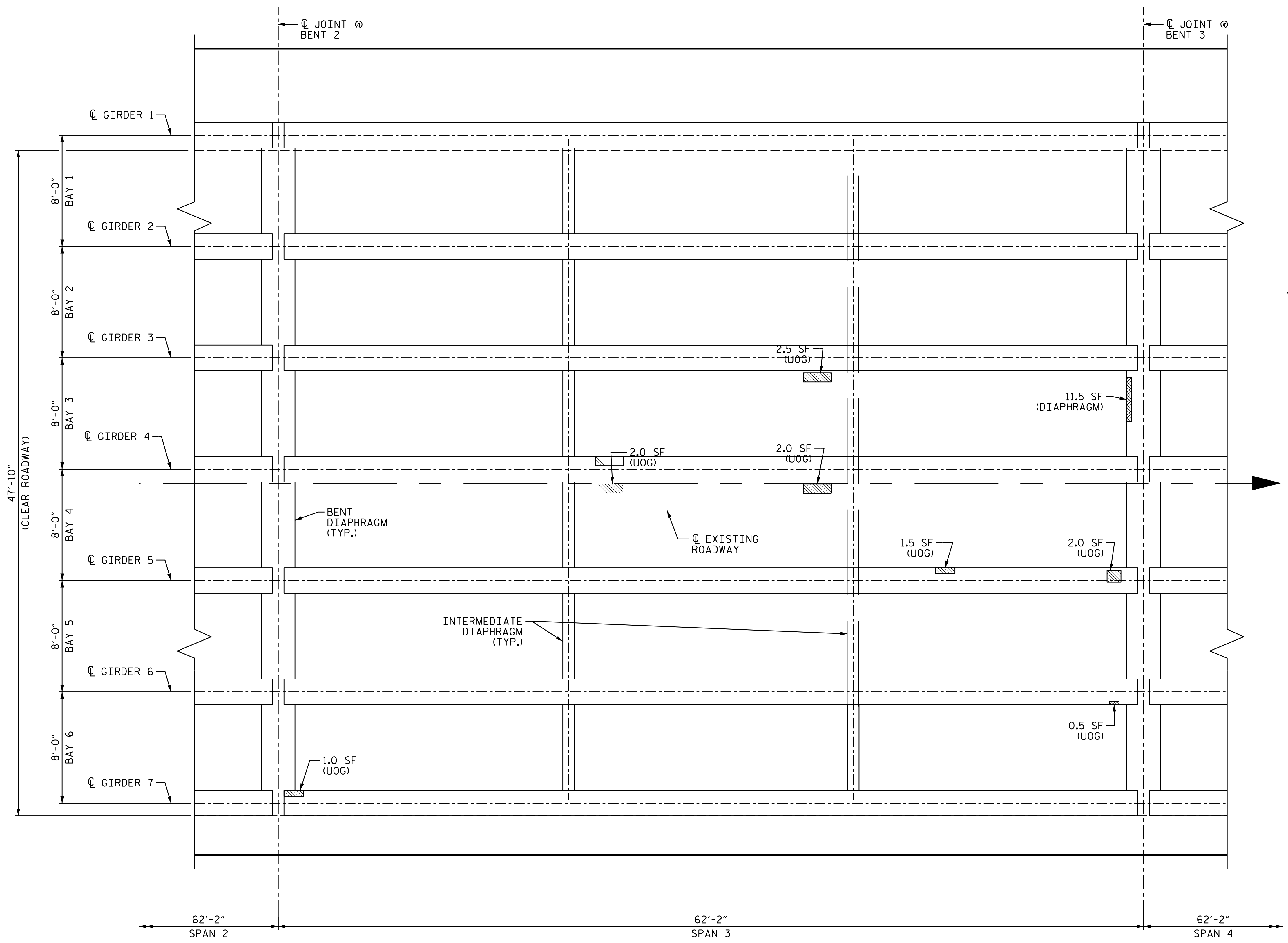


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**PLAN OF SPANS**  
(UNDERSIDE)

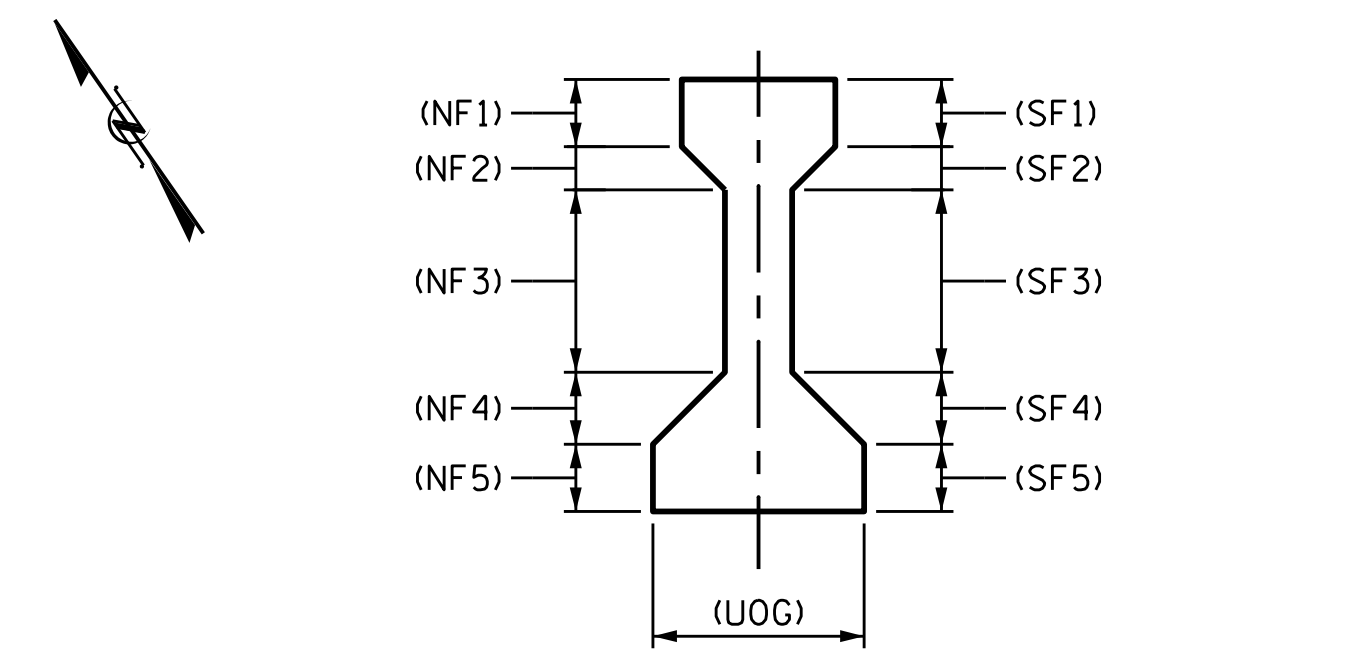
LEGEND			
SF	SQUARE FEET		DIAPHRAGM REPAIR
(UOD)	UNDERSIDE OF DECK		GIRDER REPAIR
(BOH)	BOTTOM OF OVERHANG		DECK REPAIR
ERI	EPOXY RESIN INJECTION		

REPAIR QUANTITY TABLE				
UNDERSIDE OF DECK	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SF	VOLUME CF	AREA SF	VOLUME CF
UNDERSIDE OF DECK & OVERHANG				
BENT DIAPHRAGMS	11.5	3.5		
GIRDER REPAIRS				
PRESTRESSED GIRDERS	11.5	3.5		

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 2" CLEAR TO SAWCUT, SEE REPAIR DETAILS.  
QUANTITIES ASSUME ALL SPALLS AND DELAMINATIONS TO BE 3.5" DEEP.

**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.  
SPANS WILL RECEIVE FULL LENGTH TSA COATING, SEE "PRESTRESSED CONCRETE GIRDERS WITH THERMAL SPRAY ANODE" SPECIAL PROVISIONS AND SHEETS S-28 THRU S-29.  
FOR PRESTRESSED GIRDER AND BENT DIAPHRAGM REPAIR DETAILS, SEE "TYPICAL GIRDER AND DIAPHRAGM REPAIR DETAILS" SHEET S-30.  
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.  
FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.



**TYPICAL GIRDER SECTION**  
DAMAGE OF GIRDER LOCATIONS

PROJECT NO. 15BPR.19  
NEW HANOVER COUNTY  
BRIDGE NO. 640021  
SHEET 3 OF 14

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
**GIRDER & DIAPHRAGM REPAIRS**  
SPAN 3

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-11
2			4			TOTAL SHEETS 58

DRAWN BY: M.J. OSTRISHKO DATE: JUL 2018  
CHECKED BY: C.J. HOWARD DATE: JUL 2018