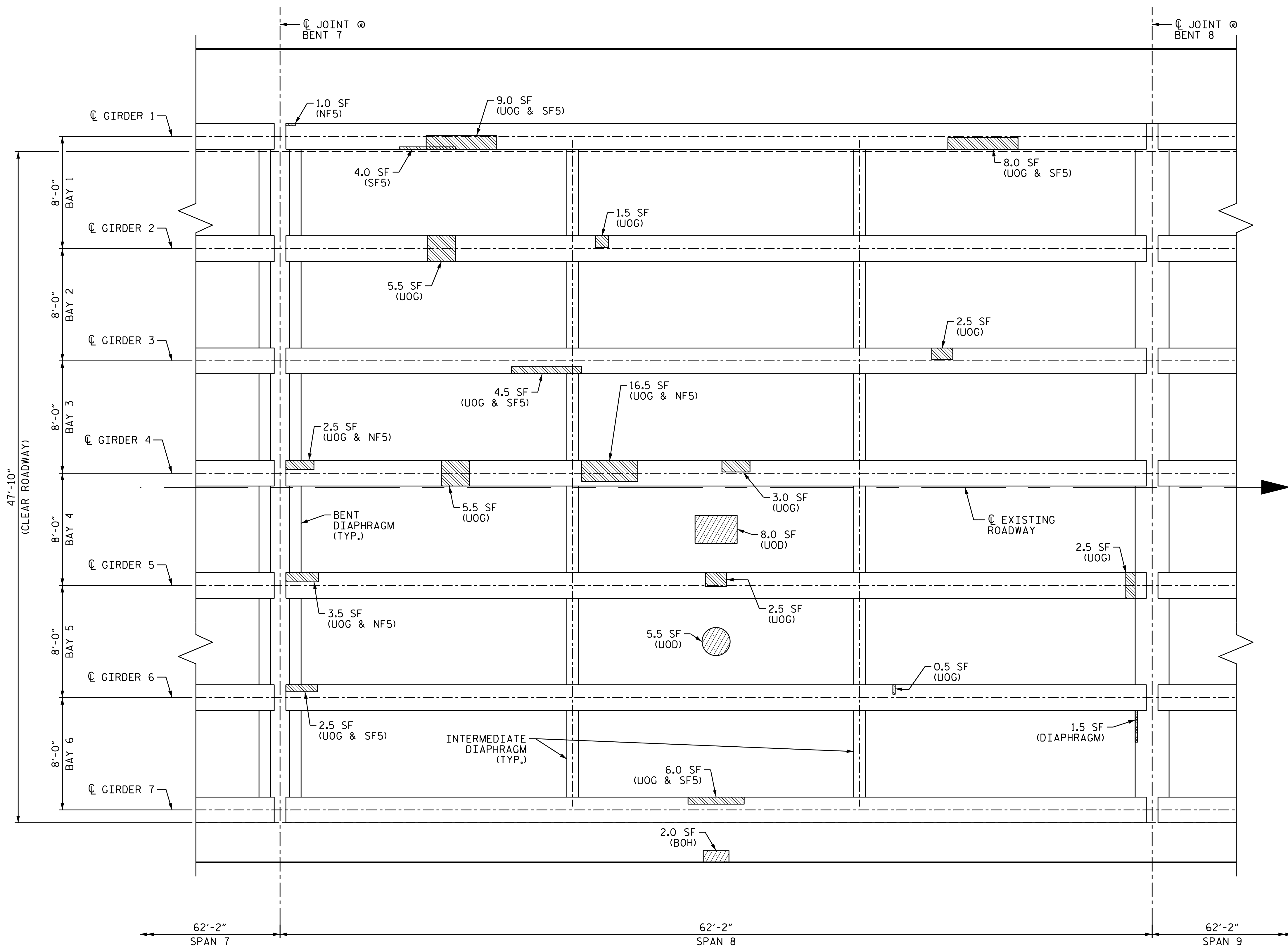


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PLAN OF SPANS
(UNDERSIDE)

| 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 | 15.5 | 4.5 | | |
| BENT DIAPHRAGMS | 1.5 | 0.5 | | |
| GIRDER REPAIRS | | | | |
| PRESTRESSED GIRDERS | 81.0 | 24.0 | | |

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

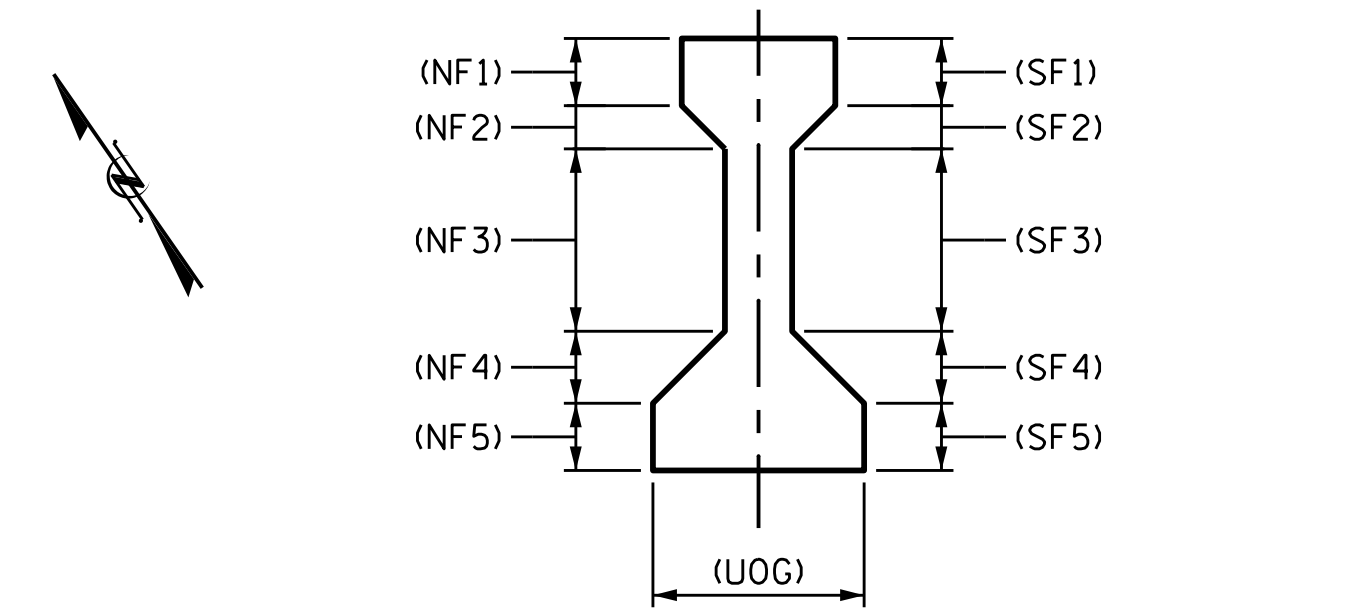
REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE, IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE INSPECTOR OR ENGINEER THE CONTRACTOR SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ADJUST THE 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 8 OF 14

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
GIRDER & DIAPHRAGM REPAIRS
SPAN 8

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

WSP USA Inc.
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
TEL: 1.919.836.4040
LICENSE NO. F-0165

| REVISIONS | | | | | | SHEET NO. S-16 TOTAL SHEETS 58 |
|-----------|-----|-------|-----|-----|-------|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | | | 3 | | | |
| 2 | | | 4 | | | |

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