

### REPAIR QUANTITY TABLE

| UNDERSIDE OF DECK REPAIRS - SPAN A | QUANTITIES |           |         |           |
|------------------------------------|------------|-----------|---------|-----------|
|                                    | ESTIMATE   |           | ACTUAL  |           |
| SHOTCRETE REPAIRS                  | AREA SF    | VOLUME CF | AREA SF | VOLUME CF |
| UNDERSIDE OF DECK                  | 0.0        | 0.0       |         |           |
| CONCRETE BENT DIAPHRAGM            | 3.0        | 1.0       |         |           |
| OVERHANG                           | 2.0        | 0.7       |         |           |
| CONCRETE REPAIRS                   | AREA SF    | VOLUME CF | AREA SF | VOLUME CF |
| UNDERSIDE OF DECK                  | 0.0        | 0.0       |         |           |
| CONCRETE BENT DIAPHRAGM            | 0.0        | 0.0       |         |           |
| OVERHANG                           | 0.0        | 0.0       |         |           |

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

#### NOTES:

THE LOCATIONS AND DIMENSIONS OF THE AREAS FOR REPAIR ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR, IN CONJUNCTION WITH THE ENGINEER, SHALL VERIFY THE LOCATION AND EXTENT OF REPAIR AREAS PRIOR TO STEEL FABRICATION. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE REPAIR QUANTITY TABLE.

FOR BEAM PLATING REPAIR, SEE "BEAM PLATING REPAIR DETAILS" SHEET S1-27.

FOR BOLTED STEEL PLATES REPAIR, SEE "BEAM PLATING REPAIR DETAIL" SHEET S1-28.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.


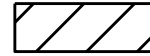
CONCRETE REPAIRS MAY BE SUBSTITUTED IN LIEU OF SHOTCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

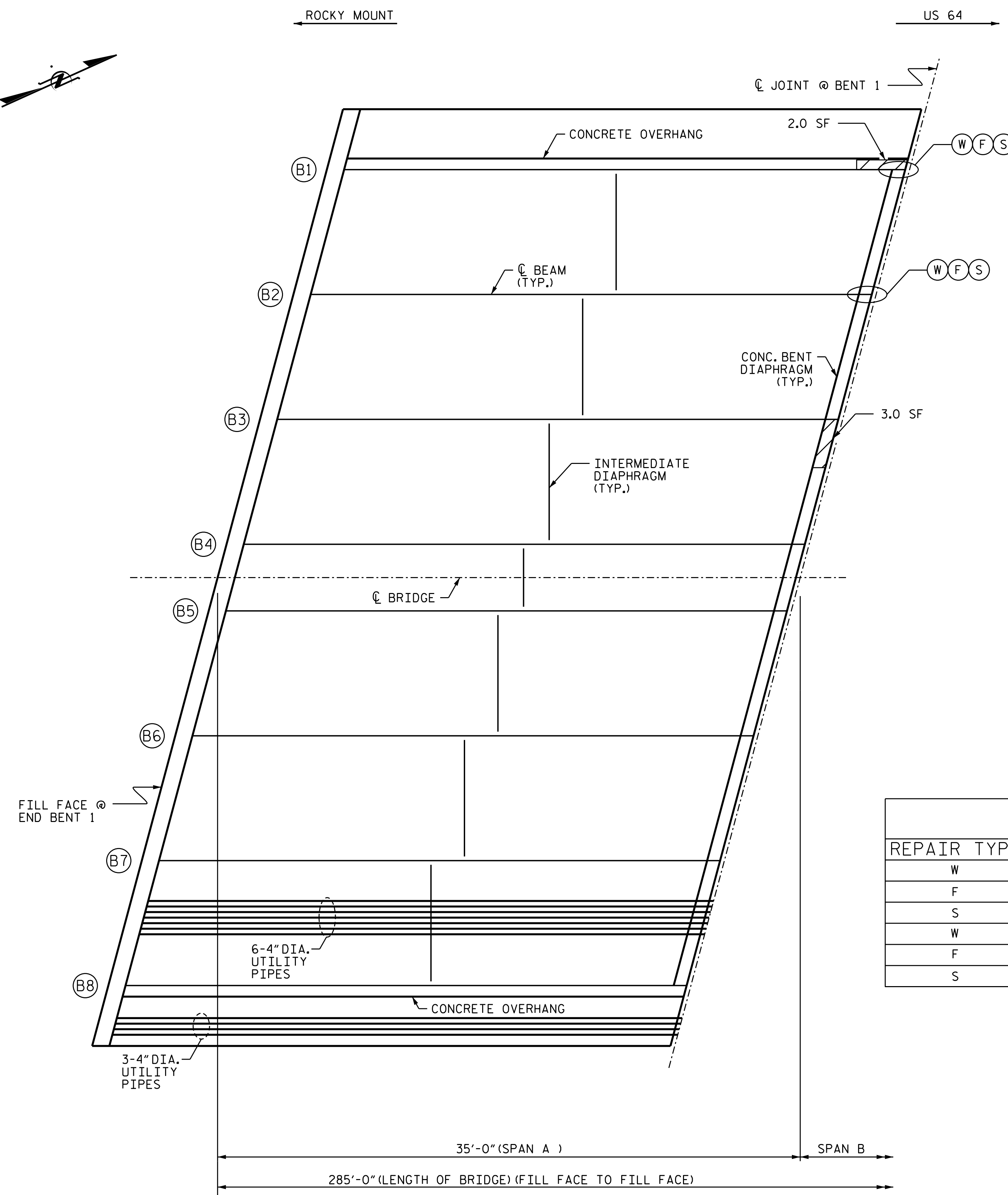
FOR UNDERSIDE OF DECK REPAIRS, SEE "DECK REPAIR DETAILS" SHEET S1-25.

FOR OVERHANG REPAIRS, SEE "OVERHANG & DIAPHRAGM REPAIR DETAILS" SHEET S1-26.

FOR DIAPHRAGM REPAIRS SEE "OVERHANG & DIAPHRAGM REPAIR DETAILS" SHEET S1-26.

FOR BRIDGE JACKING, SEE "BRIDGE JACKING DETAILS" SHEET.

-  - CONCRETE REPAIR AREA
-  - SHOTCRETE REPAIR AREA
- (B#) BEAM NUMBER
- (W) WEB PLATING REPAIR
- (S) STIFFENER REPAIR
- (F) BOTTOM FLANGE PLATING REPAIR
- (BW) BOLTED WEB PLATE REPAIR
- (BF) BOLTED FLANGE PLATE REPAIR



| REPAIR TYPE | SPAN | BEAM | LOCATION | DIM. "A" | DIM. "B" | DIM. "C" | DIM. "D" |
|-------------|------|------|----------|----------|----------|----------|----------|
| W           | A    | 1    | BENT 1   | 8"       | 84"      | -        | -        |
| F           | A    | 1    | BENT 1   | 4 1/2"   | 84"      | -        | -        |
| S           | A    | 1    | BENT 1   | 8"       | -        | -        | -        |
| W           | A    | 2    | BENT 1   | 5"       | 48"      | -        | -        |
| F           | A    | 2    | BENT 1   | 4 1/2"   | 24"      | -        | -        |
| S           | A    | 2    | BENT 1   | 5"       | -        | -        | -        |

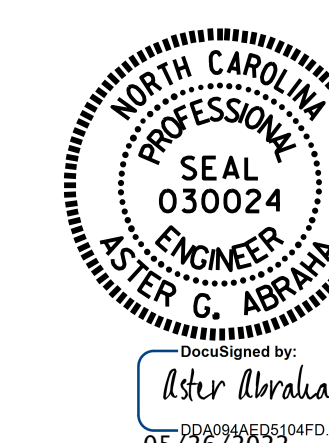
(SEE SHEETS S1-27 AND S1-28 FOR BEAM REPAIR DETAILS AND DIMENSIONS.)

### SPAN A (UNDERSIDE)

| BOLTED STEEL PLATES |        | STEEL PLATES |        | STIFFENER |        | STEEL DIAPHRAGM |        | BEAM END CUT-OUT |        |
|---------------------|--------|--------------|--------|-----------|--------|-----------------|--------|------------------|--------|
| LBS.                |        | LBS.         |        | LBS.      |        | LBS.            |        | LBS.             |        |
| ESTIMATE            | ACTUAL | ESTIMATE     | ACTUAL | ESTIMATE  | ACTUAL | ESTIMATE        | ACTUAL | ESTIMATE         | ACTUAL |
| 0                   |        | 360.3        |        | 19.9      |        | 0               |        | 0                |        |

PROJECT NO. 15BPR.47  
EDGEcombe COUNTY  
 BRIDGE NO. 320051

SHEET 1 OF 6



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

## UNDERSIDE DECK REPAIRS SPAN A

DRAWN BY : A. Y. GODFREY DATE : 01/2022  
 CHECKED BY : G. AYES DATE : 02/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S1-10        |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 31           |