

AS-BUILT REPAIR QUANTITY TABLE

| DECK UNDERSIDE REPAIRS - SPAN F | | | | |
|---------------------------------|--------------------|----------------|--------------|----------------|
| SHOTCRETE REPAIRS | ESTIMATE | | ACTUAL | |
| | AREA SO. FT. | VOLUME CU. FT. | AREA SO. FT. | VOLUME CU. FT. |
| UNDERSIDE OF DECK | 0.0 | 0.0 | | |
| CONCRETE DIAPHRAGM | 0.0 | 0.0 | | |
| OVERHANG | 0.0 | 0.0 | | |
| CONCRETE REPAIRS | AREA SO. FT. | VOLUME CU. FT. | AREA SO. FT. | VOLUME CU. FT. |
| | UNDERSIDE OF DECK | 0.0 | 0.0 | |
| | CONCRETE DIAPHRAGM | 0.0 | 0.0 | |
| OVERHANG | 7.8 | 5.9 | | |
| EPOXY RESIN INJECTION | | LIN. FT. | LIN. FT. | |
| UNDERSIDE OF DECK | | 0.0 | | |
| CONCRETE DIAPHRAGM | | 0.0 | | |
| OVERHANG | | 6.5 | | |

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1" BEHIND REBAR AND MINIMUM 2" CLEARANCE TO SAWCUT, SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

NOTES

FOR UNDERSIDE OF DECK REPAIRS, SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

FOR OVERHANG REPAIRS, SEE "OVERHANG, DIAPHRAGM AND BRIDGE RAIL REPAIR DETAILS" SHEET.

FOR BEAM PLATING REPAIR, SEE "BEAM PLATING REPAIR DETAILS" SHEETS.

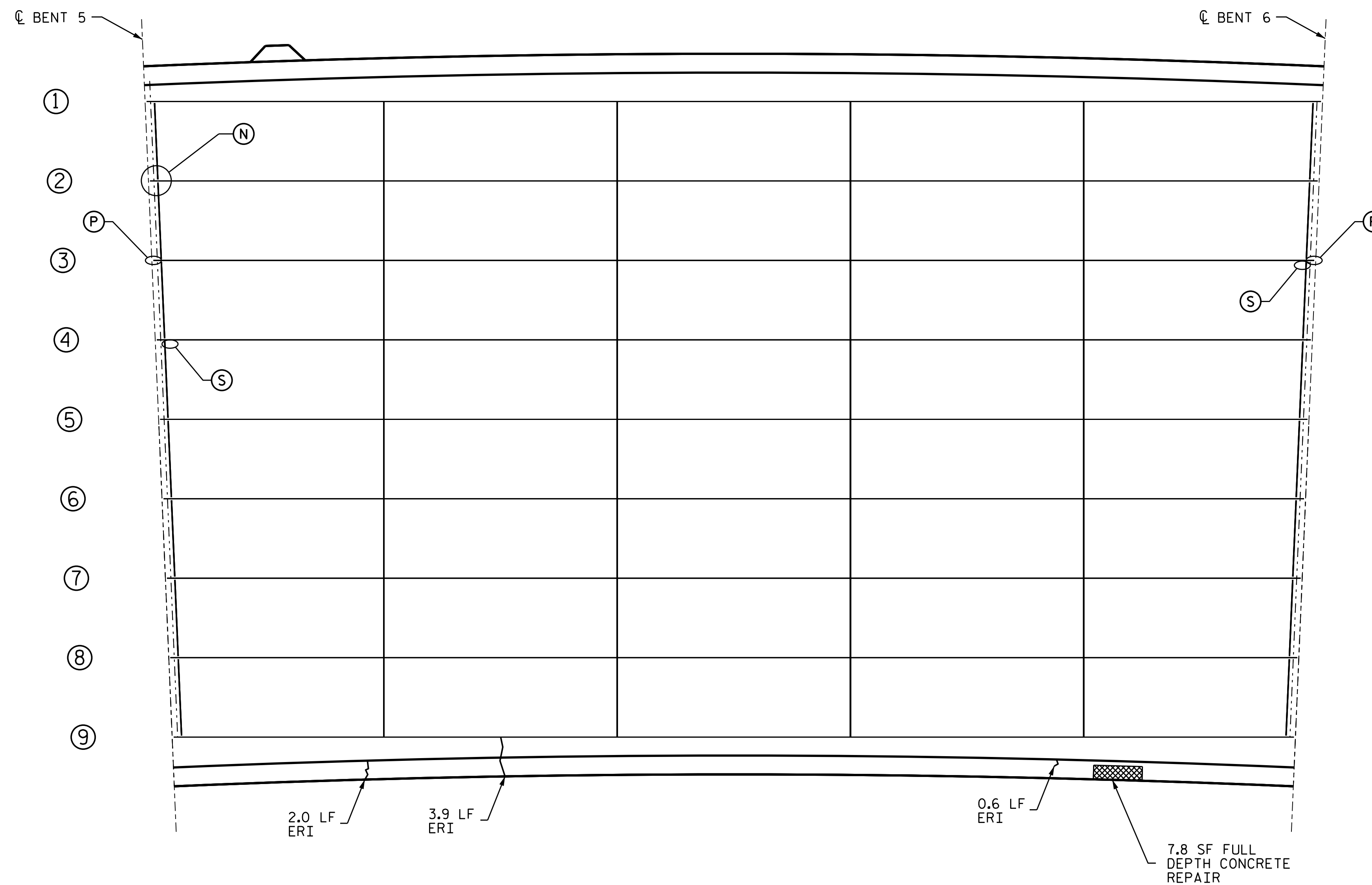
FOR BRIDGE JACKING, SEE "JACKING DETAILS" SHEET.

FOR REPLACEMENT OF HINGE PIN CAP SCREW AND WASHER, SEE SPECIAL PROVISIONS.

ALL MISSING ANCHOR BOLT NUTS SHALL BE REPLACED. ANTICIPATED LOCATIONS AND QUANTITIES ARE AS INDICATED ON PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY. NUTS SHALL BE ASTM A194, AS APPLICABLE, OR ASTM A563 AND SIZE AND THREADS SHALL MATCH EXISTING. COST OF REPLACEMENT OF ANCHOR BOLT NUTS SHALL BE CONSIDERED INCIDENTAL TO COST OF OTHER VARIOUS PAY ITEMS.

FOR HINGE PIN CAP SCREW & PLATE DETAILS, SEE SHEET S-48.

HINGE PIN CAP SCREW AND PLATE SHALL BE FABRICATED OR SUPPLIED TO MEET THE GEOMETRY AND DIMENSIONS INDICATED. THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND GEOMETRIES AND OTHER DETAILS. MATERIAL SHALL BE MINIMUM GRADE A36 STEEL FOR PLATE AND ASTM A307 FOR CAP SCREW. COST OF HINGE PIN CAP SCREW AND PLATE SHALL BE CONSIDERED INCIDENTAL TO COST OF OTHER VARIOUS PAY ITEMS.



SPAN F
(UNDERSIDE OF DECK)

| BEAM REPAIR QUANTITY TABLE | | | | | | | | | |
|----------------------------|--------|-----------|--------|-----------------|--------|----------------|--------|-----------------|--------|
| STEEL PLATES | | STIFFENER | | STEEL DIAPHRAGM | | BRIDGE JACKING | | ANCHOR BOLT NUT | |
| LBS. | | LBS. | | LBS. | | EA. | | EA. | |
| ESTIMATE | ACTUAL | ESTIMATE | ACTUAL | ESTIMATE | ACTUAL | ESTIMATE | ACTUAL | ESTIMATE | ACTUAL |
| 15.4 | | 19.0 | | 0.0 | | 0 | | 1 | |

| ANTICIPATED STEEL REPAIR LOCATIONS | | | | | | |
|------------------------------------|------|----------|---------|---------|---------|---------|
| SPAN | BEAM | LOCATION | DIM "A" | DIM "B" | DIM "E" | DIM "F" |
| F | G3 | BENT 5 | | 4 1/2" | 3" | |
| F | G4 | BENT 5 | | 6 1/2" | | 4" |
| F | G3 | BENT 6 | 5" | 5" | | |
| F | G3 | BENT 6 | | 6 1/2" | | 5" |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

- CONCRETE REPAIR AREA
- SHOTCRETE REPAIR AREA
- ERI - EPOXY RESIN INJECTION

- ① BEAM NUMBER
- ② BEAM END REPAIR
- ③ PLATING REPAIR
- ④ STIFFENER REPAIR
- ⑤ CONNECTOR PLATE REPAIR
- ⓓ STEEL CROSSFRAME REPLACEMENT HORIZONTAL ST4 WF8.5
- ⓕ BOTTOM FLANGE REPAIR
- ⓓ ANCHOR BOLT NUT REPLACEMENT
- Ⓚ STEEL ANGLE KEEPER ASSEMBLY

PROJECT NO. 15BPR.40
BUNCOMBE COUNTY
 BRIDGE NO. 100705

SHEET 6 OF 7



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
DECK UNDERSIDE REPAIRS SPAN F

DRAWN BY : C.L. BRIGHT DATE : 02/2019
 CHECKED BY : A.M. LEE DATE : 03/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|-----------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | | | 3 | | | S3-18 |
| 2 | | | 4 | | | TOTAL SHEETS 36 |