

| GIRDER, DIAPHRAGM, & DECK REPAIR TABLES |          |                       |                     |                    |                |        |
|---|----------|-----------------------|---------------------|--------------------|----------------|--------|
| SPAN                                    | MEMBER   | LENGTH FROM BENT (FT) | APPROX. REPAIR SIZE | ACTUAL REPAIR SIZE | LOCATION       | BAY    |
|   |          |                       |                     |                    |                |        |
| 115A                                    | END DIA. | @ BENT 114            | 1.5' X 1.1'         |                    | DIAPHRAGM      | LT EXT |
| 115A                                    | END DIA. | @ BENT 114            | 0.5' X 0.5'         |                    | DIAPHRAGM      | 1      |
| 115A                                    | END DIA. | @ BENT 114            | 2.8' X 0.5'         |                    | DIAPHRAGM      | 1      |
| 115A                                    | END DIA. | @ BENT 114            | 2.5' X 0.5'         |                    | DIAPHRAGM      | 2      |
| 115A                                    | END DIA. | @ BENT 114            | 0.8' X 0.4'         |                    | DIAPHRAGM      | 2      |
| 115A                                    | END DIA. | @ BENT 114            | 3' X 1'             |                    | DIAPHRAGM      | 3      |
| 115A                                    | G-1      | @ REST PIER 2         | 1.7' X 0.7'         |                    | *BOTTOM FLANGE | 1      |
| 115A                                    | G-1      | @ BENT 115            | 0.5' X 0.5'         |                    | *BOTTOM FLANGE | 1      |
| 115A                                    | G-2      | @ REST PIER 2         | 1.3' X .7'          |                    | *BOTTOM FLANGE | 2      |
| 115A                                    | G-2      | @ REST PIER 2         | 1.7' X 0.7'         |                    | *BOTTOM FLANGE | 3      |
| 115A                                    | G-2      | @ REST PIER 1         | 1' X 0.8'           |                    | *BOTTOM FLANGE | 1      |
| 115A                                    | G-2      | @ BENT 114            | 0.7' X 0.7'         |                    | WEB            | 1      |
| 115A                                    | G-3      | @ REST PIER 2         | 2.4' X 1.3'         |                    | *BOTTOM FLANGE | 2      |
| 115A                                    | G-3      | 2' FROM BENT 114      | 0.3' X 0.3'         |                    | WEB            | 3      |
| 115A                                    | G-4      | @ REST PIER 1         | 0.3' X 0.3'         |                    | WEB            | 3      |
| 115A                                    | G-4      | 16' FROM BENT 115     | 4' X 0.3'           |                    | *BOTTOM FLANGE | 3      |
| 115A                                    | G-4      | 8' FROM BENT 115      | 3' X 0.3'           |                    | *BOTTOM FLANGE | 3      |
| 115B                                    | END DIA. | @ REST PIER 2         | 1' X 4'             |                    | DIAPHRAGM      | 2      |
| 115B                                    | G-2      | @ REST PIER 1         | 0.8' X 0.8'         |                    | *BOTTOM FLANGE | 2      |
| 115B                                    | G-2      | @ REST PIER 1         | 1.4' X 0.8'         |                    | *BOTTOM FLANGE | 3      |
| 115B                                    | G-3      | @ REST PIER 1         | 1.4' X 0.8'         |                    | *BOTTOM FLANGE | 3      |

| REPAIR QUANTITY TABLE |  |                       |            |           |         |          |
|-----------------------|--|-----------------------|------------|-----------|---------|----------|
| SPAN                  | MEMBER   | LENGTH FROM BENT (FT) | QUANTITIES |           |         |          |
|                       |  |                       | ESTIMATE   |           | ACTUAL  |          |
|                       |  |                       | AREA SF    | VOLUME CF | AREA SF | DEPTH FT |
| 115A & 115B           | SHOTCRETE  |                       |            |           |         |          |
|                       | GIRDERS  | 0.67                  | 0.20       |           |         |          |
|                       | DIAPHRAGMS   | 13.52                 | 6.76       |           |         |          |
|                       | DECK   | 0.00                  | 0.00       |           |         |          |
| 115A & 115B           | PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL |                       |            |           |         |          |
|                       | GIRDERS  | 12.44                 | 3.63       |           |         |          |

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

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

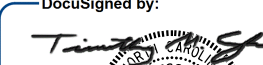
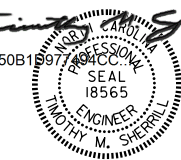
FOR PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL, SEE SPECIAL PROVISIONS.

CONTRACTOR MAY ELECT TO USE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL IN LIEU OF SHOTCRETE.

\* ALL REPAIRS IN GIRDER FLANGE OR INCLUDING GIRDER FLANGE IN REPAIR SHALL BE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL.

PROJECT NO. B-5936  
TYRRELL COUNTY  
BRIDGE NO. 7

SHEET 11 OF 22

DocuSigned by:  
  
AD50B1597404CC04  
  
1/13/2017

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
GIRDER, DIAPHRAGM  
& UNDERDECK REPAIRS

DRAWN BY : M.A.LEE DATE : 6/2016  
CHECKED BY : T.SHERRILL DATE : 6/2016  
DESIGN ENGINEER OF RECORD: T.SHERRILL DATE : 6/2016

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | TOTAL SHEETS |
| 1         |     |       | 3   |     |       | 5-26         |
| 2         |     |       | 4   |     |       | 394          |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED