

**NOTES:**

GENERAL DRAWING INFORMATION IS TAKEN FROM THE ORIGINAL PLANS AND THE ROUTINE INSPECTION REPORT DATED 11/28/2022.

BRIDGE ORIENTATION CONFORMS TO THE ORIGINAL BRIDGE PLANS/ROUTINE INSPECTION.

**SCOPE OF WORK**

REMOVE AND PROPERLY DISPOSE OF DEBRIS IN THE GLANDS OF THE MODULAR JOINT AT END BENT 1. THE CONTRACTOR SHALL REPORT ANY DAMAGE TO THE GLANDS OR THE ASSEMBLY TO THE ENGINEER. PAYMENT FOR REMOVAL OF DEBRIS IN THE MODULAR JOINT GLAND SHALL BE CONSIDERED TO BE INCIDENTAL TO OTHER PAY ITEMS.

PERFORM BRIDGE JOINT DEMOLITION AND REMOVE EXISTING JOINT MATERIAL AT END BENT 2.

INSTALL ELASTOMERIC CONCRETE HEADERS AND FOAM JOINT SEAL AT END BENT 2.

PREPARE TOP OF BRIDGE DECK AND TOP AND FRONT FACE OF THE CONCRETE BARRIER RAIL BY SHOTBLASTING METHODS.

APPLY SILANE TREATMENT TO BRIDGE DECK AND BARRIER RAILS.

CLEAN AND PAINT EXISTING WEATHERING STEEL BEAM ENDS.

REMOVE UNSOUND CONCRETE AND PROPERLY PREPARE EXISTING BENT AND END BENT AREAS FOR SUBSTRUCTURE REPAIRS.

REMOVE DEBRIS FROM TOP OF EXISTING END BENT AND BENT CAPS AND APPLY EPOXY COATING.

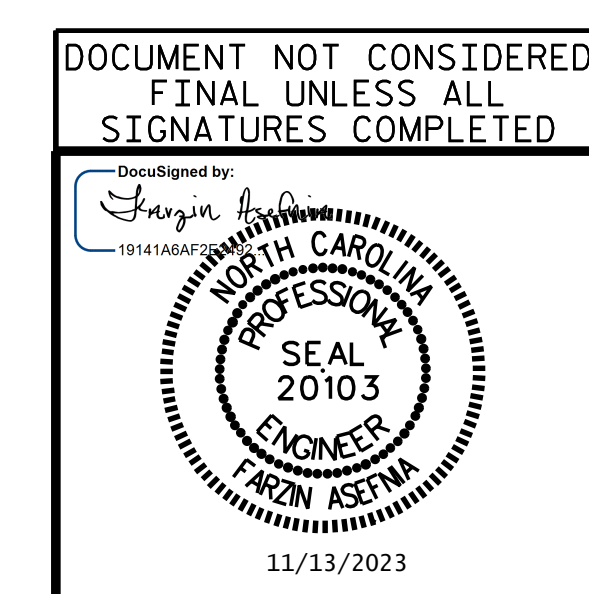
REPAIR UNDERMINED END BENT 1 CAP.

PROJECT NO. I-5941

DURHAM COUNTY

BRIDGE NO. 310135

SHEET 1 OF 2



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

GENERAL DRAWING  
FOR BRIDGE ON US  
15/501 SOUTHBOUND  
OVER I-85 AND  
ELLERBE CREEK

DRAWN BY : M. HOGAN DATE : 3/2023

CHECKED BY : JIA XU DATE : 7/2023

DESIGN ENGINEER OF RECORD: F. ASEFNIA DATE : 11/2023

E.L. ROBINSON

3362 Six Forks Rd.  
Raleigh, N.C. 27609  
Tel: 984.980.2800  
elr@elr-engineering.com  
License: C-22 9

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