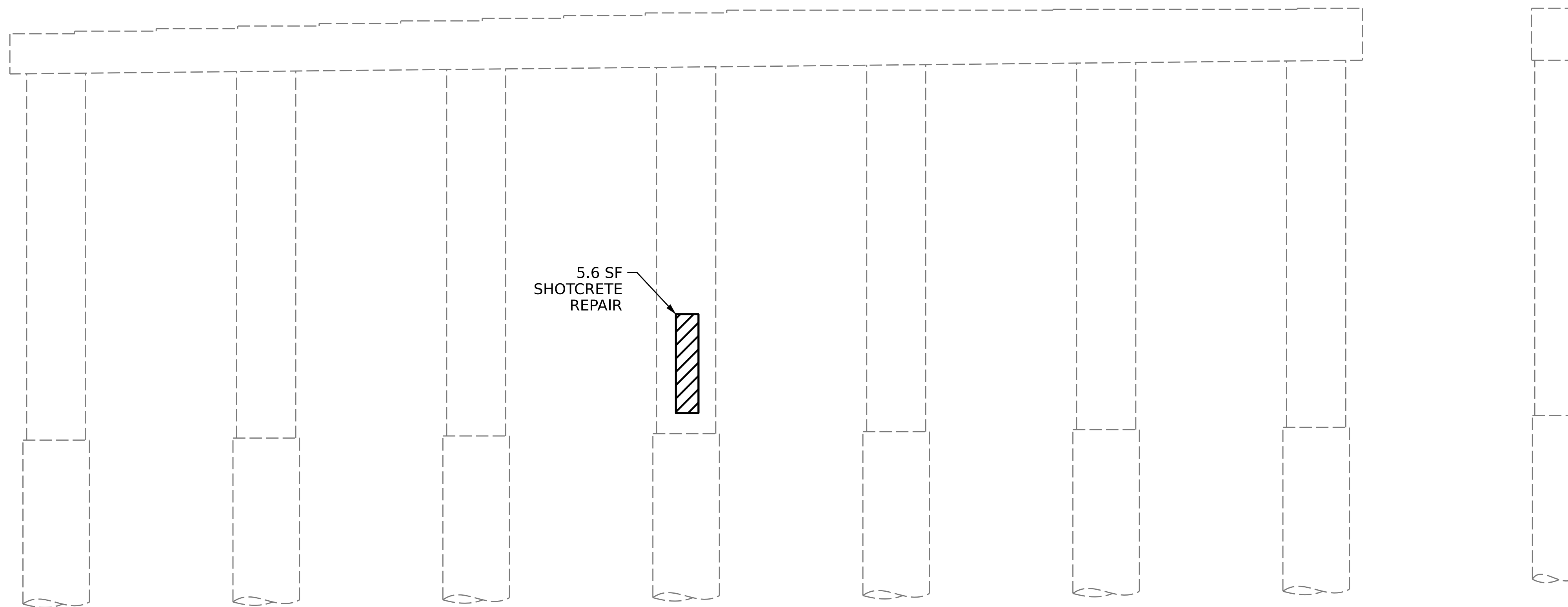


8/26/21



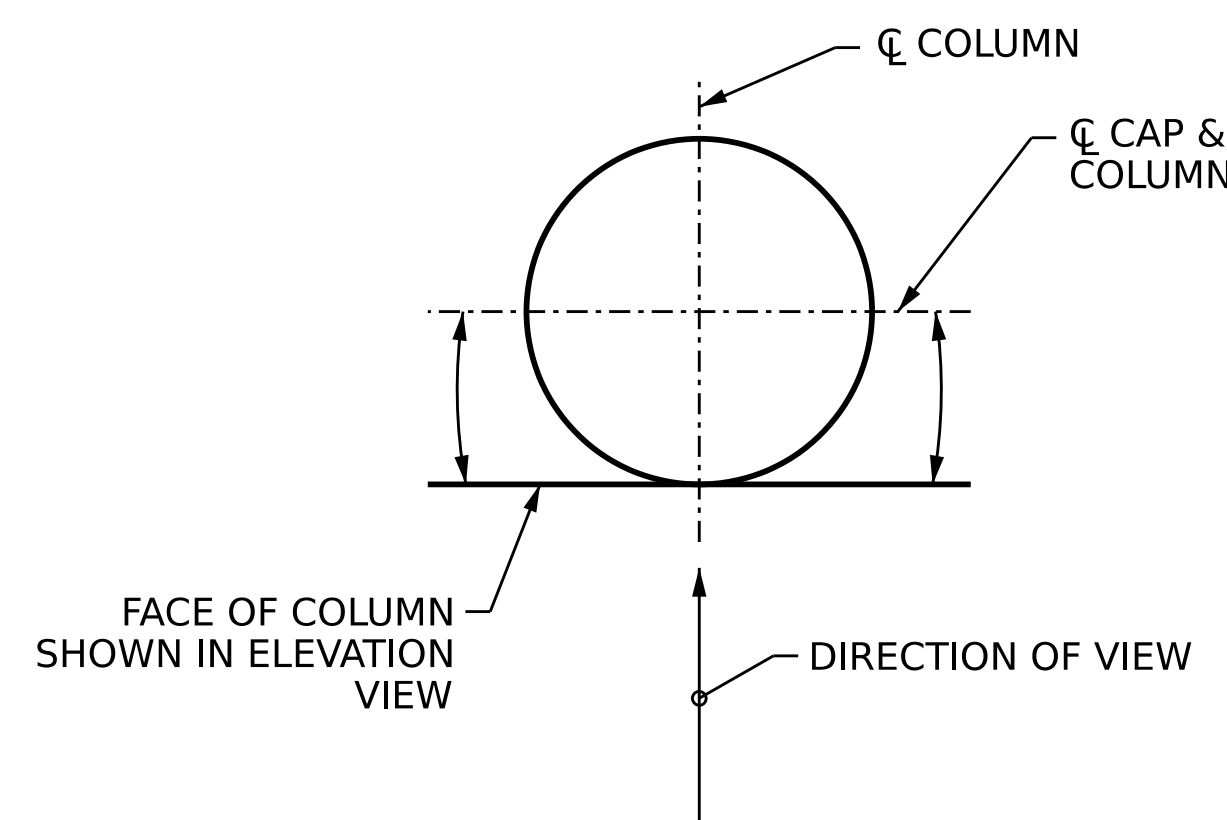
SPAN B  
SPAN A

**TOP OF CAP**



**ELEVATION**

**END VIEW**



**UNWRAPPED COLUMN FACE DETAIL**

**SUBSTRUCTURE REPAIR QUANTITY TABLE**

| BENT 1                       | QUANTITIES |           |         |           |
|------------------------------|------------|-----------|---------|-----------|
|                              | ESTIMATE   |           | ACTUAL  |           |
| <b>SHOTCRETE REPAIRS</b>     | AREA SF    | VOLUME CF | AREA SF | VOLUME CF |
| CAP                          | 0          | 0         |         |           |
| COLUMN                       | 5.6        | 2.8       |         |           |
| <b>CONCRETE REPAIRS</b>      | AREA SF    | VOLUME CF | AREA SF | VOLUME CF |
| CAP                          | 0          | 0         |         |           |
| COLUMN                       | 0          | 0         |         |           |
| <b>EPOXY RESIN INJECTION</b> |            | LINEAR FT |         | LINEAR FT |
| CAP                          |            | 0         |         |           |
| COLUMN                       |            | 0         |         |           |
| <b>EPOXY COATING</b>         |            | AREA SF   |         | AREA SF   |
| CAP                          |            | 669.7     |         |           |




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.

**NOTES**

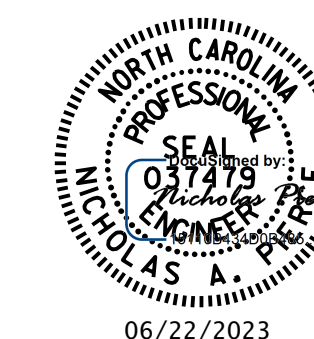
REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE REPAIR QUANTITY TABLE.

CLEAN AND REMOVE DEBRIS FROM THE TOP OF THE CAP AND APPLY EPOXY PROTECTIVE COATING. EPOXY COATING SHALL BE APPLIED TO THE TOP SURFACE OF THE CAP. THE CONTRACTOR SHALL NOT COAT THE AREA OF THE CAP BENEATH THE MASONRY PLATES. FOR EPOXY COATING, SEE SPECIAL PROVISIONS.

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

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

PROJECT NO. **15BPR.124.3**  
**WAKE** COUNTY  
BRIDGE NO. **911084**



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUBSTRUCTURE REPAIR  
**BENT 1  
SPAN A FACE**

DRAWN BY : D.A. CANTRELL DATE : 03/2021  
CHECKED BY : A.Y. GODFREY DATE : 10/2022  
DESIGN ENGINEER OF RECORD : N.A. PIERCE DATE : 12/2022

6/22/2023  
R:\Structures\Plans\15BPR124\404.025.15BPR124\_SMU.B01A.S4-13.911084.dgn  
aygodfrey

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

| REVISIONS |     |       |     |     | SHEET NO. |
|-----------|-----|-------|-----|-----|-----------|
| NO.       | BY: | DATE: | NO. | BY: | DATE:     |
| 1         |     |       | 3   |     |           |
| 2         |     |       | 4   |     |           |

TOTAL SHEETS: 21