



LOCATION SKETCH

**NOTES:**

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSED STRUCTURE, SEE SPECIAL PROVISIONS.
- PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

- THE SKEWED END CONDITIONS OF SPAN A & B ARE SUCH THAT THE USE OF 4' WIDE PRESTRESSED CONCRETE DECK PANELS IS NOT POSSIBLE; USE OF 8' WIDE PRESTRESSED CONCRETE DECK PANELS IS NECESSARY.
- REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS. FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- FOR MSE WALL, MSE REINFORCING STRAPS ATTACHED TO END BENTS AND PILE SLEEVES, SEE MSE WALL PLANS.

TOTAL BILL OF MATERIAL

| LOCATION       | FOUNDATION EXCAVATION FOR BENT | PDA TESTING | REINFORCED CONCRETE DECK SLAB | GROOVING BRIDGE FLOORS | CLASS A CONCRETE | BRIDGE APPROACH SLABS | REINFORCING STEEL | SPIRAL COLUMN REINFORCING STEEL | 54" PRESTRESSED CONCRETE GIRDERS | PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES | HP 12x53 STEEL PILES | PILE REDRIVES | CONCRETE BARRIER RAIL | 4" SLOPE PROTECTION | ELASTOMERIC BEARINGS | FOAM JOINT SEALS | ELECTRICAL CONDUIT SYSTEM FOR SIGNALS | JUNCTION BOX (OVER-SIZED, HEAVY DUTY) |          |     |
|----------------|--------------------------------|-------------|-------------------------------|------------------------|------------------|-----------------------|-------------------|---------------------------------|----------------------------------|---|----------------------|---------------|-----------------------|---------------------|----------------------|------------------|---------------------------------------|---------------------------------------|----------|-----|
|                | LUMP SUM                       | EA.         | SQ. FT.                       | SQ. FT.                | CU. YDS.         | LUMP SUM              | LBS.              | LBS.                            | NO.                              | LIN. FT.  | EA.                  | NO.           | LIN. FT.              | EA.                 | LIN. FT.             | SQ. YDS.         | LUMP SUM                              | LUMP SUM                              | LUMP SUM | EA. |
| SUPERSTRUCTURE |                                |             | 6,486                         | 5,952                  |                  |                       |                   |                                 | 8                                | 768.92  |                      |               | 390.12                |                     | LUMP SUM             | LUMP SUM         |                                       |                                       |          |     |
| END BENT 1     |                                |             |                               |                        | 33.3             |                       | 5,859             |                                 |                                  |   | 7                    | 7             | 420                   | 4                   |                      | 15               |                                       |                                       |          |     |
| BENT 1         | LUMP SUM                       |             |                               |                        | 75.2             |                       | 10,798            | 1,141                           |                                  |   | 18                   | 18            | 1,170                 | 9                   |                      |                  |                                       |                                       |          |     |
| END BENT 2     |                                |             |                               |                        | 33.9             |                       | 5,854             |                                 |                                  |   | 7                    | 7             | 455                   | 4                   |                      | 15               |                                       |                                       |          |     |
| TOTAL          | LUMP SUM                       | 2           | 6,486                         | 5,952                  | 142.4            | LUMP SUM              | 22,511            | 1,141                           | 8                                | 768.92  | 32                   | 32            | 2,045                 | 17                  | 390.12               | 30               | LUMP SUM                              | LUMP SUM                              | LUMP SUM | 2   |

PROJECT NO. I-5986B  
JOHNSTON COUNTY  
 STATION: 28+39.21 -Y29-  
1294+89.16 -L-  
 SHEET 3 OF 3



DocuSigned by:  
 Vipul A Patel  
 4/13/2020

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

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STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

GENERAL DRAWING  
 FOR BRIDGE ON SR 1204  
 (SOUTH MARKET STREET)  
 OVER I-95 AND BETWEEN  
 SR 1100 AND SR 1102

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S2-3         |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 28           |

DRAWN BY : C. E. MAYHEW DATE : 11-25-19  
 CHECKED BY : V. A. PATEL DATE : 1-27-20