

| TOTAL BILL OF MATERIAL | | | | | | | | | | | | | | | | | |
|------------------------|--------------------|--|--------------------------|-----------------------|-------------------|------------------------------|------------------|-------------------|---------------|--|-------------------------------------|-------------------------------------|------------------|-------------------------------|--|---------------------------------|-----------------------------------|
| BRIDGE No. | INCIDENTAL MILLING | ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B | ASPHALT BINDER PLANT MIX | GROOVING BRIDGE FLOOR | POLLUTION CONTROL | CLASS II SURFACE PREPARATION | CONCRETE REPAIRS | SHOTCRETE REPAIRS | DRIFT REMOVAL | PAINTING CONTAINMENT FOR ZONE PAINTING | PAINTING CONTAINMENT FOR BRIDGE NO. | ZONE PAINTING OF EXISTING STRUCTURE | VOLUMETRIC MIXER | UNDER STRUCTURE WORK PLATFORM | PREFORMED MEMBRANE EXPANSION JOINT MATERIAL FOR PRESERVATION | POURABLE SILICONE JOINT SEALANT | FOAM JOINT SEALS FOR PRESERVATION |
| | SQ.YDS. | TON | TON | SQ.FT. | LUMP SUM | SQ.YDS. | CU.FT. | CU.FT. | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LIN.FT. | LIN.FT. | LIN.FT. |
| 910028 | 623.0 | 200 | 40 | - | LUMP SUM | 28.8 | 6.7 | 35.6 | - | LUMP SUM | - | LUMP SUM | LUMP SUM | LUMP SUM | 168 | - | - |
| 910240 | 308.7 | 30 | 5 | 7294 | LUMP SUM | 4.2 | 6.0 | 57.8 | LUMP SUM | - | LUMP SUM | - | - | - | - | 36 | 158 |
| TOTAL | 931.7 | 230 | 45 | 7294 | LUMP SUM | 33.0 | 12.7 | 93.4 | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | 168 | 36 | 158 |



| TOTAL BILL OF MATERIAL CONTINUED | | | | | | | | | | | | | | | | | |
|----------------------------------|--------------------------------------|--------------------------------------|--|---|---------------------|---------------|------------------------------------|----------------------------|--|---|--|------------------------|--------------------------|---------------------|---|---------------------------------|--|
| BRIDGE No. | TYPE 11 CONCRETE BARRIER RAIL REPAIR | POLYESTER POLYMER CONCRETE MATERIALS | EPOXY POLYMER CONCRETE MATERIALS (ALTERNATE) | REPAIRS TO PRESTRESSED CONCRETE GIRDERS | BEAM REPAIR PLATING | EPOXY COATING | EPOXY COATING CONCRETE GIRDER ENDS | LINK SLAB FOR PRESERVATION | BRIDGE DECK WATERPROOFING MEMBRANE-SPRAY APPLIED | CONCRETE DECK REPAIR FOR POLYMER CONCRETE OVERLAY | PLACING & FINISHING POLYMER CONCRETE OVERLAY | SCARIFYING BRIDGE DECK | SHOTBLASTING BRIDGE DECK | BEARING REPLACEMENT | CLEANING & PAINTING EXISTING BEARINGS WITH HIGH RATIO CALCIUM SULFONATE | TYPE II BRIDGE JACKING BRIDGE # | |
| | LIN.FT. | CU.YDS. | CU.YDS. | CU.FT. | LBS. | SQ.FT. | SQ.FT. | SQ.FT. | SQ.YDS. | SQ.YDS. | SQ.YDS. | SQ.YDS. | SQ.YDS. | EACH | EACH | EACH | |
| 910028 | 24.5 | - | - | - | 600 | 689.1 | - | - | 1089.2 | - | - | 1089.2 | 1089.2 | - | - | - | |
| 910240 | - | 36 | 36 | 4.3 | - | 708.5 | 80.5 | 720.0 | - | 4.2 | 933 | 933 | 933 | 48 | 8 | 12 | |
| TOTAL | 24.5 | 36 | 36 | 4.3 | 600 | 1397.6 | 80.5 | 720.0 | 1089.2 | 4.2 | 933 | 2022.2 | 2022.2 | 48 | 8 | 12 | |



NOTES

REPAIR LOCATIONS AND ESTIMATES OF QUANTITIES ARE GIVEN WITH 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.

EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER.

THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN WHAT IS SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

INASMUCH AS THE PAINT SYSTEMS ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICES FOR ITEMS ASSOCIATED WITH THE CLEANING AND REPAINTING OF BRIDGES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS.

EXISTING JOINTS AND DECK DRAINS SHALL BE SEALED PRIOR TO BEGINNING SURFACE PREPARATIONS OF THE BRIDGE DECK. THE CONTRACTOR SHALL TAKE CARE THAT ANY CONSTRUCTION DEBRIS THAT COLLECTS IN THE DRAINS IS CONTAINED. DRAINS IN SHOULDERS OF ADJACENT TRAVEL LANE(S) SHALL BE KEPT FREE AND CLEAR OF DEBRIS.

LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS SHALL BE LOCATED ALONG THE CENTERLINE OR EDGE OF TRAVEL LANES.

WORK ON THE BRIDGES SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL BELOW. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.

FOR CONTROL OF TRAFFIC AND LIMITS ON PHASING OF CONSTRUCTION, SEE TRANSPORTATION MANAGEMENT PLANS.

FOR FINAL PAVEMENT MARKINGS AND MARKERS, SEE TRANSPORTATION MANAGEMENT PLANS.

ANY DAMAGE TO EXISTING REINFORCING STEEL, DURING CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPLETE SEQUENCE OF TASKS FOR EACH OPERATION AFFECTING THE BRIDGE SURFACE AND/OR TRAFFIC.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE STREAM MONITORING DEVICES ATTACHED TO STRUCTURE 910240 THAT SHOULD NOT BE DISTURBED WITHOUT APPROVAL FROM THE ENGINEER.

AT THE TIME OF PREPARATION OF THESE PLANS, IT WAS NOT ANTICIPATED THAT THE FOLLOWING ITEM(S) LISTED WOULD BE REQUIRED. HOWEVER, IT MAY BE DETERMINED IN THE FIELD THAT THE FOLLOWING ITEM(S) LISTED, OR OTHER WORK WILL BE NECESSARY TO PROPERLY COMPLETE THE INTENDED BRIDGE PRESERVATION/REHABILITATION WORK. THE CONTRACTOR SHALL BE PREPARED TO PERFORM SUCH WORK IN A TIMELY MANNER, AS DETERMINED IN THE FIELD. SUCH WORK SHALL BE CONSIDERED EXTRA WORK AND SHALL BE ADDRESSED AS PER ARTICLE 104-7 OF THE STANDARD SPECIFICATIONS. PROJECT SPECIAL PROVISIONS THAT OUTLINE REQUIREMENTS FOR THESE POTENTIAL ADDITIONAL WORK ITEMS HAVE BEEN PROVIDED IN THE PROJECT DOCUMENTS, BUT NO QUANTITIES HAVE BEEN LISTED. ACTUAL PAY ITEMS, QUANTITIES, AND COSTS WILL BE ESTABLISHED, AS REQUIRED, IF EXTRA WORK IS ENCOUNTERED.

UNANTICIPATED ITEMS:

| ITEM DESCRIPTION | UNIT |
|---------------------------------|----------|
| SPlicing OF PRESTRESSING STRAND | EACH |
| TYPE I BRIDGE JACKING | EACH |
| BOLTED BEAM REPAIR | POUND |
| BEAM REPAIR BEAM END CUT-OUT | POUND |
| CLASS III SURFACE PREPARATION | SQ. YDS. |

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR POLLUTION CONTROL, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR PREFORMED MEMBRANE EXPANSION JOINTS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR POURABLE SILICONE JOINT SEALANT, SPECIAL PROVISIONS.

FOR ZONE PAINTING OF EXISTING EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

FOR PAINTING CONTAINMENT FOR ZONE PAINTING, SEE SPECIAL PROVISIONS.

FOR CONCRETE DECK REPAIR FOR POLYMER CONCRETE, POLYMER CONCRETE MATERIALS, PLACING AND FINISHING POLYMER CONCRETE OVERLAY, SEE POLYMER CONCRETE BRIDGE DECK OVERLAY SPECIAL PROVISIONS.

FOR BRIDGE DECK WATERPROOFING MEMBRANE-SPRAY APPLIED, SEE SPECIAL PROVISIONS.

FOR PREFORMED MEMBRANE EXPANSION JOINT MATERIAL, SEE SPECIAL PROVISIONS.

FOR CLEANING AND PAINTING EXISTING BEARINGS WITH HRCSA, SEE SPECIAL PROVISIONS.

FOR PAINTING CONTAINMENT FOR BRIDGE NO., SEE CLEANING AND PAINTING EXISTING BEARINGS WITH HRCSA SPECIAL PROVISION.

FOR EPOXY COATING AND DEBRIS REMOVAL, SEE SPECIAL PROVISIONS.

FOR SCARIFYING AND SHOTBLASTING BRIDGE DECKS, SEE SPECIAL PROVISIONS.

FOR TYPE II BRIDGE JACKING, SEE SPECIAL PROVISIONS.

FOR DRIFT REMOVAL, SEE SPECIAL PROVISIONS.

FOR SECURING OF VESSELS, SEE SPECIAL PROVISIONS.

FOR BEAM REPAIR PLATING, SEE SPECIAL PROVISIONS.

FOR UNDER STRUCTURE WORK PLATFORM, SEE SPECIAL PROVISIONS.

FOR LINK SLAB FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR BEARING REPLACEMENT, SEE SPECIAL PROVISIONS.

FOR CLASS II SURFACE PREPARATION, SEE SPECIAL PROVISIONS.

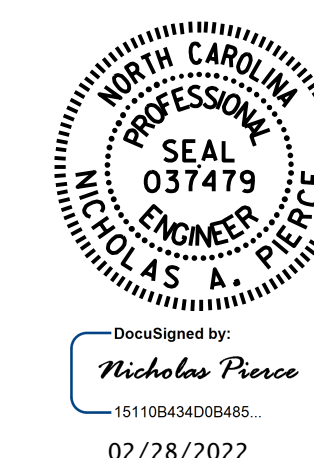
FOR EPOXY COATING CONCRETE GIRDER ENDS, SEE SPECIAL PROVISIONS.

FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.

FOR VOLUMETRIC MIXER, SEE SPECIAL PROVISIONS.

FOR TYPE 11 CONCRETE BARRIER RAIL REPAIR, SEE SPECIAL PROVISIONS.

PROJECT NO. **15BPR.49**
WAKE COUNTY
 BRIDGE NO. **910028 & 910240**



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 NOTES AND TOTAL
 BILL OF MATERIAL

| REVISIONS | | | | | SHEET NO. |
|-----------|-----|----------|-----|-----|-----------|
| NO. | BY: | DATE: | NO. | BY: | DATE: |
| 1 | NAP | 02/25/22 | 3 | | |
| 2 | | | 4 | | |

REVISED QUANTITIES 02/25/22

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

S-2
TOTAL SHEETS 73