

TOTAL BILL OF MATERIAL																
BRIDGE No.	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE TYPE S9.5B	ASPHALT BINDER PLANT MIX	INDUCTIVE LOOP SAWCUT	LEAD IN CABLE	POLLUTION CONTROL	RIP RAP CLASS B	GEOTEXTILE FOR DRAINAGE	CONCRETE REPAIRS	SHOTCRETE REPAIRS	PAINTING CONTAINMENT FOR BRIDGE #__	CLEANING AND REPAINTING OF BRIDGE #__	CLEANING AND PAINTING EXISTING WEATHERING STEEL FOR BRIDGE #__	EXPANSION JOINT SEALS FOR PRESERVATION	FOAM JOINT SEALS FOR PRESERVATION	MODULAR EXPANSION JOINT SEALS FOR PRESERVATION
	SQ.YDS.	TON	TON	LIN. FT.	LIN. FT.	LUMP SUM	TONS	SQ.YDS.	CU.FT.	CU.FT.	LUMP SUM	LUMP SUM	LUMP SUM	LIN.FT.	LIN.FT.	LIN.FT.
310306	2848.4	240	20	1,600	400	LUMP SUM	-	-	-	5.0	LUMP SUM	LUMP SUM	-	138.8	531.9	-
911039	-	-	-	-	-	LUMP SUM	-	-	-	-	LUMP SUM	-	LUMP SUM	73.4	-	73.4
911083	1969.8	170	15	1,600	400	LUMP SUM	-	-	-	-	LUMP SUM	-	LUMP SUM	-	513.0	-
911084	1698.4	140	10	1,200	200	-	180	200	9.5	13.3	-	-	-	-	325.0	-
<b>TOTAL</b>	<b>6,516.6</b>	<b>550</b>	<b>45</b>	<b>4,400</b>	<b>1,000</b>	<b>LUMP SUM</b>	<b>180</b>	<b>200</b>	<b>9.5</b>	<b>18.3</b>	<b>LUMP SUM</b>	<b>LUMP SUM</b>	<b>LUMP SUM</b>	<b>212.2</b>	<b>1,369.9</b>	<b>73.4</b>

TOTAL BILL OF MATERIAL														
BRIDGE No.	POURABLE SILICONE JOINT SEALANT	3 BAR METAL RAIL REPAIR	ELASTOMERIC CONCRETE FOR PRESERVATION	SLOPE PROTECTION VOID FILLING	BRIDGE JOINT DEMOLITION	EPOXY COATING	EPOXY COATING CONCRETE GIRDER ENDS	SURFACE PREPARATION FOR CONCRETE BARRIER	SILANE BARRIER RAIL TREATMENT	DIAMOND GRINDING CONCRETE APPROACH SLAB	SHOTBLASTING BRIDGE DECK	SILANE DECK TREATMENT	SAW CUTTING CONCRETE BARRIER RAIL	
	LIN.FT.	LIN.FT.	CU.FT.	LBS.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.YDS.	SQ.YDS.	SQ.YDS.	EA.	
310306	1260.0	-	281.2	-	1017.2	3029.0	-	1940.4	1940.4	-	3701.2	3701.2	2	
911039	-	60.0	-	-	-	1448.0	-	-	-	-	4824.2	4824.2	-	
911083	898.0	-	141.1	-	567.7	2406.0	-	1861.3	1861.3	-	3023.6	3023.6	2	
911084	-	-	81.4	1260	293.6	2912.7	1664	3448.0	3448.0	210	4766.6	4766.6	-	
<b>TOTAL</b>	<b>2,158.0</b>	<b>60.0</b>	<b>503.7</b>	<b>1,260</b>	<b>1,878.5</b>	<b>9,795.7</b>	<b>1,664</b>	<b>7,249.7</b>	<b>7,249.7</b>	<b>210</b>	<b>16,315.6</b>	<b>16,315.6</b>	<b>4</b>	

**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.

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.

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 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.

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
VOLUMETRIC MIXER	LUMP SUM
CONCRETE DECK REPAIR FOR SILANE DECK TREATMENT	SQ.FT.
EPOXY RESIN INJECTION	LIN. FT.
REPAIRS TO PRESTRESSED CONCRETE GIRDERS	CU. FT.

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 SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR EXPANSION JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR MODULAR EXPANSION JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR PAINTING EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

FOR CLEANING AND PAINTING EXISTING WEATHERING STEEL FOR BRIDGE, SEE THE "PAINTING EXISTING WEATHERING STEEL STRUCTURE" SPECIAL PROVISION.

FOR PAINTING CONTAINMENT FOR BRIDGE AND POLLUTION CONTROL, SEE "PAINTING EXISTING WEATHERING STEEL STRUCTURE" AND "PAINTING EXISTING STRUCTURE" SPECIAL PROVISIONS.

FOR SAW CUTTING CONCRETE BARRIER RAIL, SEE SPECIAL PROVISIONS.

FOR SLOPE PROTECTION VOID FILLING, SEE SPECIAL PROVISIONS.

FOR SURFACE PREPARATION FOR CONCRETE BARRIER AND SILANE BARRIER RAIL TREATMENT, SEE "SILANE BARRIER RAIL TREATMENT" SPECIAL PROVISION.

FOR EPOXY COATING AND DEBRIS REMOVAL, SEE SPECIAL PROVISIONS.

FOR SHOTBLASTING BRIDGE DECK AND SILANE DECK TREATMENT, SEE "SILANE DECK TREATMENT" SPECIAL PROVISION.

FOR DIAMOND GRINDING CONCRETE APPROACH SLABS, SEE SPECIAL PROVISIONS.

FOR EPOXY COATING CONCRETE GIRDER ENDS, SEE SPECIAL PROVISIONS.

FOR VOLUMETRIC MIXER, SEE SPECIAL PROVISIONS.

FOR 3 BAR METAL RAIL REPAIR, SEE SPECIAL PROVISIONS.

FOR POURABLE SILICONE JOINT SEALANT, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR CONCRETE DECK REPAIR FOR SILANE DECK TREATMENT, SEE SPECIAL PROVISIONS.

FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.

FOR THERMAL SPRAYED COATING, SEE SPECIAL PROVISIONS.

PROJECT NO. **15BPR.59**  
**DURHAM/WAKE** COUNTY  
 BRIDGE NO. **310306, 911039**  
**911083, 911084**



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**GENERAL DRAWING**  
 BILL OF MATERIAL

DRAWN BY : N.A. PIERCE DATE : 10/2022  
 CHECKED BY : J.D. HAWK DATE : 10/2022  
 DESIGN ENGINEER OF RECORD : N.A. PIERCE DATE : 12/2022

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO. 5-02 TOTAL SHEETS 73
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			