

**TOTAL BILL OF MATERIAL**

BRIDGE NO.	CHAIN LINK FENCE, 72" FABRIC	METAL LINE POSTS FOR 72" CHAIN LINK FENCE	METAL TERMINAL POSTS FOR 72" CHAIN LINK FENCE	#57 STONE	GROOVING BRIDGE FLOOR	CLASS A CONCRETE	POLLUTION CONTROL	CLASS II SURFACE PREPARATION	RIP RAP CLASS B	GEOTEXTILE FOR DRAINAGE	CONCRETE REPAIRS	SHOTCRETE REPAIRS	CLEANING AND REPAINTING OF BRIDGE	PAINTING CONTAINMENT FOR BRIDGE	FOAM JOINT SEALS FOR PRESERVATION	POLYESTER POLYMER CONCRETE MATERIALS	EPOXY COATING	CONCRETE DECK REPAIR FOR POLYESTER POLYMER CONCRETE OVERLAY	GABION MATTRESS (1'-0" THICK)	PLACING & FINISHING POLYESTER POLYMER CONCRETE OVERLAY	SCARIFYING BRIDGE DECK	SHOTBLASTING BRIDGE DECK	REPLACING MISSING UTILITY COVERS	TYPE I BRIDGE JACKING BRIDGE
	LIN. FT.	EACH	EACH	TONS	SO. FT.	CU. YDS.	LUMP SUM	SO. YDS.	TONS	SO. YDS.	CU. FT.	CU. FT.	LUMP SUM	LUMP SUM	LIN. FT.	CU. YDS.	SO. FT.	SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	LUMP SUM	EACH
590221	-	-	-	-	12,667	-	LUMP SUM	4.1	-	-	5.6	28.2	LUMP SUM	LUMP SUM	279	72.7	648	4.1	-	1,489	1,489	1,489	LUMP SUM	1
590222	-	-	-	-	11,851	-	LUMP SUM	5.8	-	-	0.9	24.8	LUMP SUM	LUMP SUM	252	68.3	620	5.8	-	1,399	1,399	1,399	LUMP SUM	-
590227	310.0	28	24	72.0	34,277	2.3	LUMP SUM	20.8	1,643	3,651	0.6	23.2	LUMP SUM	LUMP SUM	698	196.8	2,158	20.8	3,651	4,050	4,050	4,050	LUMP SUM	-
590230	-	-	-	-	11,131	-	LUMP SUM	1.4	-	-	4.0	23.2	LUMP SUM	LUMP SUM	309	64.8	776	1.4	-	1,331	1,331	1,331		1
590231	-	-	-	-	12,811	-	LUMP SUM	0.0	-	-	7.9	6.2	LUMP SUM	LUMP SUM	351	73.8	864	0.0	-	1,514	1,514	1,514	LUMP SUM	1
590241	-	-	-	-	13,517	-	LUMP SUM	0.0	-	-	21.6	17.2	LUMP SUM	LUMP SUM	289	78.7	821	0.0	-	1,615	1,615	1,615		-
590243	-	-	-	-	18,211	-	LUMP SUM	2.0	-	-	2.0	22.9	LUMP SUM	LUMP SUM	380	104.1	1,048	2.0	-	2,137	2,137	2,137		-
TOTALS	310.0	28	24	72.0	114,465	2.3	LUMP SUM	34.1	1,643	3,651	42.6	145.7	LUMP SUM	LUMP SUM	2,558	659.2	6,935	34.1	3,651	13,535	13,535	13,535	LUMP SUM	3

**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.

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 HIGH VOLTAGE POWER LINES AND DECORATIVE LIGHTING FIXTURES ATTACHED TO THE STRUCTURES.

AT THE TIME OF PREPARATION OF THESE PLANS, IT WAS NOT ANTICIPATED THAT ITEMS SHOWN BELOW WOULD BE REQUIRED. HOWEVER, IT MAY BE DETERMINED IN THE FIELD THAT THESE ITEMS, 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 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 NO	DESCRIPTION	UNIT
1	EPOXY RESIN INJECTION	LIN. 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 72" CHAIN LINK FENCE, SEE STANDARD SPECIFICATIONS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR PAINTING EXISTING STRUCTURES, SEE SPECIAL PROVISIONS.

FOR POLYESTER POLYMER CONCRETE BRIDGE DECK OVERLAY, SEE SPECIAL PROVISIONS.

FOR EPOXY COATING AND DEBRIS REMOVAL, SEE SPECIAL PROVISIONS.

FOR GABION MATTRESS, SEE SPECIAL PROVISIONS.

FOR REPLACING MISSING UTILITY COVERS, SEE SPECIAL PROVISIONS.

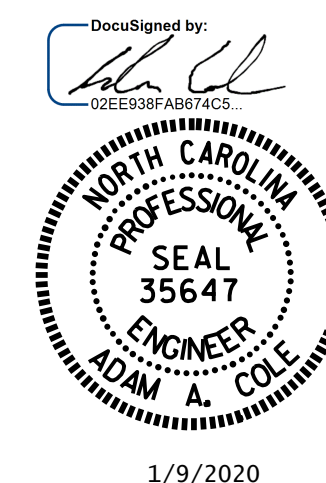
FOR BRIDGE JACKING, SEE SPECIAL PROVISIONS.

FOR OVERLAY SURFACE PREPARATION FOR POLYESTER POLYMER CONCRETE, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTIONS (ERI), SEE SPECIAL PROVISIONS.

PROJECT NO. I-5769  
MECKLENBURG COUNTY

BRIDGE NO. 590221, 590222, 590227  
590230, 590231, 590241, 590243



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL NOTES  
 AND TOTAL BILL  
 OF MATERIAL**

DRAWN BY : N.A. PIERCE DATE : 07/2018  
 CHECKED BY : H.A. LOCKLEAR DATE : 09/2019

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

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