



LOCATION SKETCH

INFORMATION INDICATED ON THE LOCATION SKETCH SHALL BE CONSIDERED GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL CONFIRM, THROUGH OTHER SOURCES, SPECIFIC INFORMATION REGARDING BRIDGES, ROADWAYS, UTILITIES, THE SURROUNDING AREA, AND ANY OTHER ASPECTS THAT MAY BE NECESSARY TO PERFORM AND COMPLETE THE PROJECT.

BRIDGE COORDINATES

LATITUDE: 35.3768°
LONGITUDE: -78.5402°

TOTAL BILL OF MATERIAL

BRIDGE NO.	REMOVAL OF EXISTING STRUCTURE	ASBESTOS ASSESSMENT	GROOVING BRIDGE FLOORS	CLASS AA CONCRETE	EPOXY COATED REINFORCING STEEL	POLLUTION CONTROL	TWO BAR METAL RAIL	1'-2" X 3'-7" CONCRETE PARAPET	PAINTING CONTAINMENT FOR BRIDGE #500051	CLEANING AND PAINTING EXISTING WEATHERING STEEL FOR BRIDGE #500051	POURABLE SILICONE JOINT SEALANT	POLYESTER POLYMER CONCRETE MATERIALS	EPOXY POLYMER CONCRETE MATERIALS (ALTERNATE)	EPOXY COATING	PLACING & FINISHING PC OVERLAY	SCARIFYING BRIDGE DECK	SHOTBLASTING BRIDGE DECK
	LUMP SUM	LUMP SUM	SQ. FT.	CU. YDS.	LBS.	LUMP SUM	LIN. FT.	LIN. FT.	LUMP SUM	LUMP SUM	LIN. FT.	CU. YDS.	CU. YDS.	SQ. FT.	SQ. YDS.	SQ. YDS.	SQ. YDS.
500051	LUMP SUM	LUMP SUM	9,662	205.7	9,487	LUMP SUM	437.96	453.67	LUMP SUM	LUMP SUM	149.47	32.0	32.0	464	1,156	1,156	1,192

NOTES:

EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM 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 OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THAT 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.

WORK ON THE BRIDGE 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.

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.

EXISTING JOINTS SHALL BE SEALED PRIOR TO BEGINNING SURFACE PREPARATION OF THE BRIDGE DECK.

THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE BRIDGE DECK.

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

EXISTING BRIDGE CONCRETE DECK SHALL BE REPAIRED AFTER SCARIFICATION AND PRIOR TO THE SURFACE PREPARATION AND APPLICATION OF THE POLYMER CONCRETE OVERLAY AT LOCATIONS DETERMINED BY THE ENGINEER, IF NECESSARY. SUCH LOCATIONS SHALL BE REPAIRED AS OUTLINED IN THE SPECIAL PROVISIONS FOR OVERLAY SURFACE PREPARATION FOR POLYMER CONCRETE AND POLYMER CONCRETE BRIDGE DECK OVERLAY.

REPAIR LOCATIONS AND ESTIMATE 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 AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

EPOXY COATING ENTIRE TOP SURFACE OF END BENT CAPS, TOP SURFACES AND SIDE FACES OF INTERIOR BENT CAP FROM EACH OUTSIDE END TO ADJACENT COLUMN FACE, AND OUTSIDE END FACES OF INTERIOR BENT CAP WILL BE REQUIRED. AT THE TIME OF PREPARATION OF THESE PLANS, IT WAS NOT ANTICIPATED THAT EPOXY COATING WOULD BE REQUIRED ELSEWHERE. HOWEVER, IT MAY BE DETERMINED IN THE FIELD THAT EPOXY COATING ELSEWHERE 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.

AT THE TIME OF PREPARATION OF THESE PLANS, IT WAS NOT ANTICIPATED THAT THE FOLLOWING WORK / PAY ITEMS WOULD BE REQUIRED:
 - CLASS II SURFACE PREPARATION
 - CLASS III SURFACE PREPARATION
 - CONCRETE DECK REPAIR FOR PC OVERLAY
 HOWEVER, IT MAY BE DETERMINED IN THE FIELD THAT THIS WORK 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.

FOR SCOPE OF WORK, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSED STRUCTURES, SEE SPECIAL PROVISIONS.

FOR PAINTING EXISTING WEATHERING STEEL STRUCTURE, SEE SPECIAL PROVISIONS.

FOR POURABLE SILICONE JOINT SEALANT, SEE SPECIAL PROVISIONS.

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

FOR POLYMER CONCRETE BRIDGE DECK OVERLAY, SEE SPECIAL PROVISIONS.

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

FOR EPOXY COATING AND DEBRIS REMOVAL, SEE SPECIAL PROVISIONS.

PAY ITEMS FOR CLASS AA CONCRETE AND EPOXY COATED REINFORCING STEEL INCLUDE PAYMENT FOR CONSTRUCTION OF SIDEWALKS ON BRIDGE AND APPROACH SLABS.

FOR THERMAL SPRAYED COATINGS (METALLIZATION), SEE SPECIAL PROVISIONS.

FOR REMOVAL OF EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

COORDINATE LOCATIONS AND LIMITS OF PROPOSED SIDEWALKS ON APPROACH SLABS WITH ASSOCIATED ROADWAY CONSTRUCTION. SEE ROADWAY PLANS.

ANY DAMAGE TO THE EXISTING DECK DURING THE REMOVAL OF EXISTING SIDEWALK CONCRETE AND 3 BAR METAL RAIL WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

ASPHALT WEARING SURFACE ON APPROACH SLABS IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.

PROJECT NO. I-5986B
JOHNSTON COUNTY
 STATION: 25+31.59 -Y18-
1342+73.68 -L-
 SHEET 2 OF 2



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE NO. 500051
 ON NC 50 OVER I-95

DRAWN BY : M. D. MAYHEW DATE : 5-12-21
 CHECKED BY : T. M. GARRISON DATE : 5-12-21

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-2
1			3			TOTAL SHEETS
2			4			14