



LOCATION SKETCH

INFORMATION ON THE LOCATION SKETCH SHALL BE CONSIDERED GENERAL INFORMATION ONLY.

TOTAL BILL OF MATERIAL

	GROOVING BRIDGE FLOORS	SHOTCRETE REPAIRS	REPAIRS TO PRESTRESSED CONCRETE GIRDERS	*** SPICING OF PRESTRESSING STRAND	* CLASS II SURFACE PREPARATION	* CLASS III SURFACE PREPARATION	* HYDRO-DEMOLITION OF BRIDGE DECK	** SCARIFYING BRIDGE DECK	SHOTBLASTING BRIDGE DECK	CONCRETE DECK REPAIR FOR PPC OVERLAY
	SO. FT.	CU. FT.	CU. FT.	EACH	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.
TOTAL	149,300	125	1.5	1	10	13.5	13.5	17,655	18,574	10

	PPC MATERIALS	PLACING AND FINISHING PPC OVERLAY	EPOXY OVERLAY SYSTEM	CLEANING AND REPAINTING OF BRIDGE #13	PAINTING CONTAINMENT FOR BRIDGE #13	STRUCTURAL STEEL FOR REPAIRS	*** EPOXY RESIN INJECTION	MODIFIED ALASKA BARRIER RAIL	FOAM JOINT SEALS	REPLACEMENT OF STEEL GRID DECK
	CU. YD.	SQ. YD.	SQ. FT.	LUMP SUM	LUMP SUM	LBS.	LIN. FT.	LN. FT.	LUMP SUM	LUMP SUM
TOTAL	495	17655	7390	LUMP SUM	LUMP SUM	25,000	1	3034	LUMP SUM	LUMP SUM

	FLOWABLE FILL	AIR HORN REPLACEMENT	INSTALL NEW SIGNS	MECHANICAL OPERATING MACHINERY	AUXILIARY COUNTERWEIGHT AND SPAN GUIDE REPAIRS	POLLUTION CONTROL	CONC. DECK REPAIR FOR EPOXY OVERLAY	UNDER STRUCTURE WORK PLATFORM	OPERATOR HOUSE RENOVATION
	CY	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	SQ. FT.	LUMP SUM	LUMP SUM
TOTAL	8	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	52	LUMP SUM	LUMP SUM

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. IF ANY ADDITIONAL CLASS II OR III LOCATIONS ARE ENCOUNTERED PRIOR TO OR DURING SCARIFICATION, SEE TYP. "BLOW THRU" CONTAINMENT AND FALSEWORK DETAILS.

** INCLUDES MILLING OF APPROACH ROADWAY PAVEMENT AT EXISTING APPROACH SLABS.

*** TOKEN PAY ITEMS ARE INDICATED FOR PRICING PURPOSES, IN CASE UNANTICIPATED REPAIR AREAS ARE ENCOUNTERED.

DESIGNED BY: J. BORUTA DATE: NOV 2017
 DRAWN BY: C. CORMAN DATE: NOV 2017
 CHECKED BY: J. DOUGHTY DATE: JAN 2018
 DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: JAN 2018

NOTES:

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.

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.

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 PREPARATION OF BRIDGE DECK.

DEPENDING ON MILLING AND OVERLAY SEQUENCE CHOSEN BY CONTRACTOR, LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS MAY NEED TO BE LOCATED ALONG THE CENTERLINE OR EDGE OF TRAVEL LANES.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

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

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

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

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

FOR OVERLAY OF BRIDGE WITH EPOXY OVERLAY SYSTEM, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

FOR COAST GUARD COORDINATION, SEE SPECIAL PROVISIONS.

ACCESS TO OPERATOR'S HOUSE FOR BRIDGE TENDER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

FOR CONCRETE DECK REPAIR FOR EPOXY OVERLAY, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE OF WATER TRAFFIC, SEE SPECIAL PROVISIONS.

FOR SECURING VESSELS, SEE SPECIAL PROVISIONS.

FOR FLOWABLE FILL, SEE SPECIAL PROVISIONS.

ALL PROPOSED EXPANSION JOINT DIMENSIONS, OPENINGS AND BLOCKOUTS ARE SHOWN AT 70°F. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION GUIDELINES AND MAKE ANY NECESSARY ADJUSTMENTS.

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

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

CONTRACTOR SHALL DETERMINE EXTENT OF WORKING AREA, STAGING PROCESS, AND INSTALL COVER PLATE ASSEMBLY AS NECESSARY TO MEET THE REQUIREMENTS OF TRAFFIC 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.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR WORK IN, OVER, OR ADJACENT TO NAVIGABLE WATERS, SEE SPECIAL PROVISIONS.

FOR MODIFIED ALASKA BARRIER RAIL, SEE SPECIAL PROVISIONS.

FOR AIR HORN REPLACEMENT, SEE SPECIAL PROVISIONS.

FOR INSTALL NEW SIGNS, SEE SPECIAL PROVISIONS.

FOR MECHANICAL OPERATING MACHINERY, SEE SPECIAL PROVISIONS.

FOR AUXILIARY COUNTERWEIGHT AND SPAN GUIDE REPAIRS, SEE SPECIAL PROVISIONS.

AUXILIARY COUNTERWEIGHT AND SPAN GUIDE REPAIRS SHOWN ON SHEETS MA-1 THROUGH MA-10 SHALL BE COMPLETED EARLY IN THE PROJECT. SEE SHEETS MA-1 THROUGH MA-10 AND THE SPECIAL PROVISIONS.

FOR OPERATOR HOUSE RENOVATIONS, SEE ARCHITECTURAL DRAWINGS AND PROVISIONS. ALL WORK SHOWN ON ARCHITECTURAL DRAWINGS AND DESCRIBED IN THE ARCHITECTURAL PROVISIONS SHALL BE PAID FOR AT THE LUMP SUM PRICE BID FOR OPERATOR HOUSE RENOVATIONS.

FOR CLEANING AND REPAINTING BRIDGE 13, SEE SPECIAL PROVISIONS FOR PAINTING EXISTING STRUCTURE.

FOR REPLACEMENT OF STEEL GRID DECK, SEE SPECIAL PROVISIONS.

FOR STRUCTURAL STEEL FOR REPAIRS, SEE SPECIAL PROVISIONS.

INASMUCH AS THE PAINT SYSTEM 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 BRIDGE #13.

FOR UNDER STRUCTURE WORK PLATFORM, SEE SPECIAL PROVISIONS.

HYDRO-DEMOLITION IS PERMITTED FOR USE AT CLASS III SURFACE PREPARATION AREA(S) ONLY. FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.

FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.

PROJECT NO. 15BPR.15
 NEW HANOVER COUNTY
 STATION: _____



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL NOTES AND TOTAL BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1			3			TOTAL SHEETS
2			4			66

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
 Jason R Doughty
 SF73FA2DEA974E8..