

COORDINATES: LATITUDE 35°55'10.95", LONGITUDE 75°44'45.01"



LOCATION SKETCH

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

ENVIRONMENTAL NOTES:

STANDARD CONSTRUCTION CONDITIONS SHALL BE IMPLEMENTED FOR THE FOLLOWING PROTECTED/ENDANGERED SPECIES AS APPLICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS:

- A. WEST INDIAN MANATEE
- B. VARIOUS SEA TURTLE SPECIES
- C. ATLANTIC STURGEON

WORK ON THE WATER:

CONTACT THE U.S. COAST GUARD 30 DAYS PRIOR TO BEGINNING IN-WATER CONSTRUCTION ACTIVITIES. THE NAVIGATION CHANNEL SHALL NOT BE BLOCKED DURING CONSTRUCTION. FOR U.S. COAST GUARD CONTACT INFORMATION, SEE COORDINATION WITH THE U.S. COAST GUARD SPECIAL PROVISION.

THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE COAST GUARD FOR ALL IN-WATER WORK OPERATIONS.

LIMITS TO CONSTRUCTION OPERATIONS:

CONSTRUCTION OPERATIONS AT VARIOUS LOCATIONS ON THE BRIDGE WILL BE RESTRICTED DURING THE ANNUAL PURPLE MARTIN MIGRATORY ROOSTING PERIOD. SEE THE CONTRACT DOCUMENTS FOR TIME AND LOCATIONS FOR RESTRICTIONS.

MARINE TRAFFIC:

MARINE TRAFFIC CONSTRUCTION SIGNS SHALL BE PLACED ON BOTH FACES OF THE BRIDGE AT LOCATIONS WHERE WORK IS BEING PERFORMED. PLACEMENT OF THE SIGNS SHALL BE SUCH THAT THEY ARE CLEARLY VISIBLE TO THE APPROACHING MARINE TRAFFIC. BARGES LEFT IN THE WATER IN LOW-LIGHT CONDITIONS SHALL BE ILLUMINATED SO AS TO BE VISIBLE TO MARINE TRAFFIC.

GENERAL NOTES:

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.

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

PRIOR TO BEGINNING WORK, CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPLETE SEQUENCE OF TASKS FOR CONSTRUCTION OPERATIONS.

WORK ON THE BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

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.

FOR CONTROL OF TRAFFIC, LIMITS ON PHASING OF CONSTRUCTION, AND INTERMEDIATE CONTRACT TIME, SEE TRANSPORTATION MANAGEMENT PLANS AND CONTRACT DOCUMENTS.

ROADWAY MILLING IS INCLUDED TO ENSURE A SMOOTH TRANSITION ONTO THE BRIDGE FLOOR. DIMENSIONS SHOWN FOR MILLING AND RESURFACING ARE APPROXIMATE. MILL AND RESURFACE AS REQUIRED TO PROVIDE A SMOOTH TRANSITION TO THE ROADWAY AT BOTH ENDS OF THE BRIDGE.

LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS SHALL BE LOCATED ALONG LANE LINES OR EDGE LINES UNLESS OTHERWISE NOTED ON THE PLANS.

EXISTING CONCRETE BRIDGE DECK SHALL BE REPAIRED PRIOR TO SURFACE PREPARATION FOR DECK OVERLAYS.

EXISTING JOINTS AND DECK DRAINS SHALL BE SEALED PRIOR TO AND DURING REPAIR OF BRIDGE DECKS. WHEN RAIN IS PREDICTED BETWEEN WORK PERIODS THE CONTRACTOR SHALL REMOVE DECK DRAIN SEAL DEVICES. REINSTALL DECK DRAIN DEVICES PRIOR TO RESUMING DECK REPAIR ACTIVITIES.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

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

FOR MAINTENANCE OF WATER TRAFFIC, SEE SPECIAL PROVISIONS.

FOR SECURING OF VESSELS, SEE SPECIAL PROVISIONS.

FOR CONCRETE WORK FOR JOINT REPLACEMENT, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR CONCRETE DECK REPAIR FOR MMA OVERLAY, SEE CONCRETE DECK REPAIR FOR METHYL METHACRYLATE OVERLAY SPECIAL PROVISIONS.

FOR CLASS II SURFACE PREPARATION AND CLASS III SURFACE PREPARATION SEE CONCRETE DECK REPAIR FOR METHYL METHACRYLATE OVERLAY SPECIAL PROVISION.

FOR CONCRETE BRIDGE DECK CRACK SEALING, SEE SPECIAL PROVISIONS.

FOR MMA OVERLAY SYSTEM, SEE METHYL METHACRYLATE SLURRY BRIDGE DECK OVERLAY SYSTEM SPECIAL PROVISION.

FOR PREFORMED SILICONE EXPANSION JOINT SEAL, SEE SPECIAL PROVISIONS.

FOR SILICONE JOINT SEALANT, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIRS TO UNDERDECK, CAPS AND COLUMNS, SEE SPECIAL PROVISIONS.

FOR BRIDGE JACKING, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR PILE CONCRETE RESTORATION, SEE SPECIAL PROVISIONS.

FOR PILE FRP PROTECTIVE SYSTEM, SEE SPECIAL PROVISIONS.

FOR PILE FOOTING RESTORATION, SEE SPECIAL PROVISIONS.

FOR PILE SPLICE AND PRELOAD, SEE SPECIAL PROVISIONS.

FOR PILE JACKETS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR PARTIAL REMOVAL OF EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

FOR REINFORCED APPROACH FILL AT END BENT 1, SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS (360,000 KG) OF REINFORCING STEEL, ONE 30 INCH (760 MM) SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS (360,000 KG) OF REINFORCING STEEL, TWO 30 INCH (760 MM) SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

TOTAL BILL OF MATERIAL												
INCIDENTAL MILLING	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	REINFORCING STEEL	CLASS AA CONCRETE	CLASS II SURFACE PREPARATION	CLASS III SURFACE PREPARATION	SHOTCRETE REPAIRS	EPOXY RESIN INJECTION	REINFORCED APPROACH FILL	PARTIAL REMOVAL OF EXISTING STRUCTURE	CRACK PRETREATMENT	PREFORMED SILICONE EXPANSION JOINT SEALS
S.Y.	TON	TON	LBS.	C.Y.	S.Y.	S.Y.	C.F.	L.F.	L.S.	L.S.	L.F.	L.F.
306	26	1.6	39589	32.4	0.8	4.4	3113.4	89.1	L.S.	L.S.	20361.5	914.4

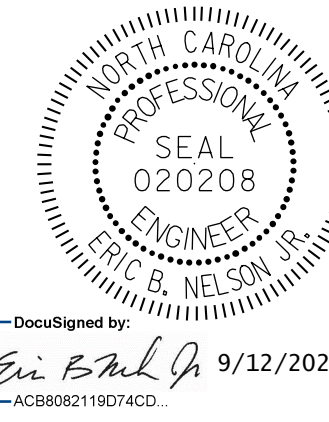
TOTAL BILL OF MATERIAL														
PILE SPLICE AND PRELOAD	PILE JACKETS	SILICONE JOINT SEALANT	FOOTING CONCRETE REPAIRS	ELASTOMERIC CONCRETE FOR PRESERVATION	CONCRETE DECK REPAIR FOR MMA OVERLAY	PILE CONCRETE RESTORATION	WATERLINE GROUTING	MMA OVERLAY SYSTEM	CONCRETE WORK FOR JOINT REPLACEMENT	BRIDGE JOINT DEMOLITION	FRP PROTECTIVE SYSTEM ABOVE WATERLINE	FRP PROTECTIVE SYSTEM BELOW WATERLINE	CONCRETE BRIDGE DECK CRACK SEALING	TYPE II BRIDGE JACKING BRIDGE No. 270009
L.F.	L.F.	L.F.	C.Y.	C.F.	C.F.	C.F.	C.F.	S.F.	S.F.	S.F.	S.F.	S.F.	S.Y.	EA.
14	20	4006.6	523.6	760.4	24.6	3445	500	339072.5	2034	2948	47168.7	30691.2	37239.6	11

SAMPLE BAR REPLACEMENT	
SIZE	LENGTH
#3	6'-2"
#4	7'-4"
#5	8'-6"
#6	9'-8"
#7	10'-10"
#8	12'-0"
#9	13'-2"
#10	14'-6"
#11	15'-10"

NOTE: SAMPLE BAR REPLACEMENT LENGTHS BASED ON 30" (SAMPLE LENGTH) PLUS TWO SPLICE LENGTHS AND f_y = 60ksi.

PROJECT NO. HB-0017
 DARE COUNTY
 BRIDGE NO. 270009

SHEET 15 OF 15



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 BRIDGE #270009 ON US 64
 OVER CROATAN SOUND



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			355

DRAWN BY: M.A. LEE DATE: 5/2019
 CHECKED BY: R. NELSON DATE: 5/2019