



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

February 07, 2024

**Addendum No. 1**

RE: Contract # C204792

WBS # 67026.3.1

STATE FUNDED

**Johnston County (BR-0026)**

BRIDGE #500050 OVER MIDDLE CREEK ON NC-210

**February 20, 2024 Letting**

To Whom It May Concern:

Reference is made to the plans furnished to you on this project.


The following revision has been made to the Structure Plans.

Sheet No.	Revision
S-03	General Notes revised to clarify payment for Temporary Shoring

Please staple the above revised sheet in your Plans after Sheet S-02.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
  
 52C46046381F443...

Ronald E. Davenport, Jr., PE  
State Contract Officer

RED/jjr

Attachments

cc: Mr. Boyd Tharrington, PE  
Mr. Keith Eason, PE  
Mr. Ken Kennedy, PE  
Mr. Malcolm Bell  
Project File (2)

Mr. Forrest Dungan, PE  
Ms. Jaci Kincaid  
Mr. Jon Weathersbee, PE

**GENERAL NOTES**

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.  
 THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.  
 THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.  
 FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.  
 FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.  
 THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 40'-FT± EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

THE EXISTING STRUCTURE CONSISTING OF A REINFORCED CONCRETE FLOOR ON I-BEAMS WITH 4 SPANS OF 34'-0", 33'-11", 33'-11" AND 34'-0", WITH RC ABUTMENT AT END BENT 1, AND RC POST AND BEAM AT END BENT 2, AND RC POST AND BEAM INTERIOR BENTS WIDENED WITH PPC PILES, WITH A CLEAR ROADWAY WIDTH OF 28'-0", AND LOCATED AT THE SITE OF PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

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 PRICE FOR "REMOVAL OF EXISTING STRUCTURE AT STATION 20+95.00 -L-."

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

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

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18- EVALUATING SCOUR AT BRIDGES".

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

AT THE CONTRACTOR'S OPTION, AND UPON REMOVAL OF THE CAUSEWAY, THE CLASS II RIP RAP USED IN THE CAUSEWAY MAY BE PLACED AS RIP RAP SLOPE PROTECTION. SEE SPECIAL PROVISIONS FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 20+95.00 -L-. NO SEPARATE PAYMENT WILL BE MADE FOR THE TEMPORARY SHORING SHOWN IN THE PLANS. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE TEMPORARY ACCESS.

NO MORE THAN ONE TEMPORARY CAUSEWAY WILL BE IN PLACE AT ANY GIVEN TIME, AND NO MORE THAN 50% OF RIVER CHANNEL CAN BE IMPACTED AT ANY GIVEN TIME WITH A CAUSEWAY.

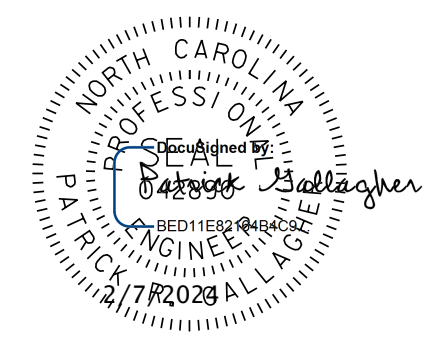
FOR NATIVE MATERIAL, SEE SPECIAL PROVISIONS.

PROJECT NO. BR-0026

JOHNSTON COUNTY

STATION: 20+95.00 -L-

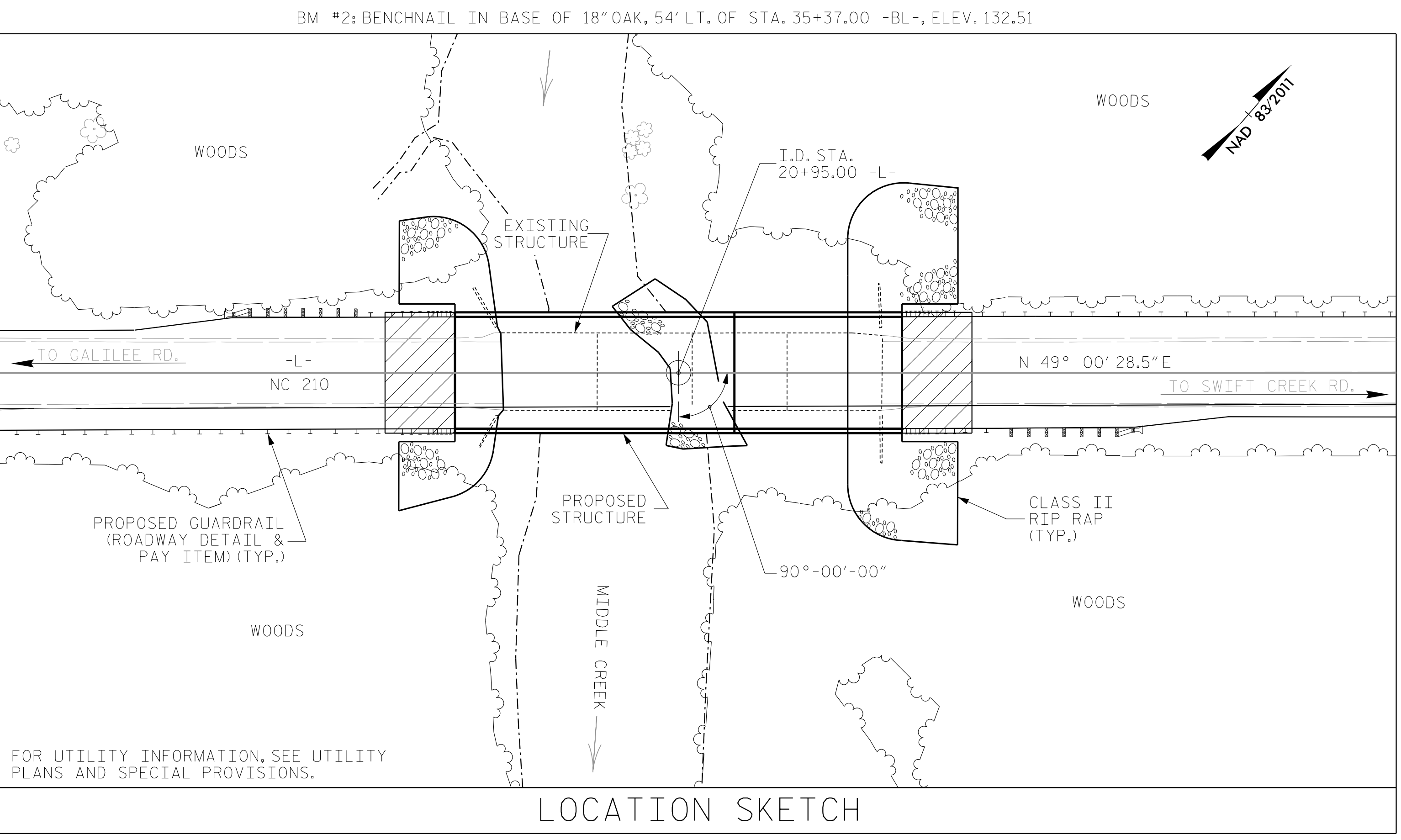
SHEET 3 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL DRAWING**  
 BRIDGE ON NC 210  
 OVER MIDDLE CREEK BETWEEN  
 GALILEE RD. & SWIFT CREEK RD.

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-03
1			3			TOTAL SHEETS 26
2			4			



HYDRAULIC DATA	
DESIGN DISCHARGE	= 7500 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 120.1 FT
BASE DISCHARGE	= 8900 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 120.7 FT
DRAINAGE AREA	= 130 SQ. MI.

OVERTOPPING FLOOD DATA	
OVERTOPPING DISCHARGE	= 14581 CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 124.6 FT

**TOTAL BILL OF MATERIAL**

	CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS	REMOVAL OF EXISTING STRUCTURE	ASBESTOS ASSESSMENT	PILE EXCAVATION IN SOIL	PILE EXCAVATION NOT IN SOIL	3'-6" Ø DRILLED PIERS IN SOIL	3'-6" Ø DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 3'-6" Ø DRILLED PIERS	SID INSPECTIONS	UNCLASSIFIED STRUCTURE EXCAVATION	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS
	LUMP SUM	LUMP SUM	LUMP SUM	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	LUMP SUM	SQ. FT.	SQ. FT.	CU. YARDS	LUMP SUM
SUPERSTRUCTURE											6,848	7,634		LUMP SUM
END BENT 1				59.0	28.0					LUMP SUM			35.0	
BENT 1						31.5	30.0	40.17	1				31.4	
END BENT 2										LUMP SUM			35.0	
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	59.0	28.0	31.5	30.0	40.17	1	LUMP SUM	6,848	7,634	101.4	LUMP SUM

**TOTAL BILL OF MATERIAL**

	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	54" PRESTRESSED CONCRETE GIRDERS	PILE DRIVING EQUIP. SETUP FOR HP 12x53 STEEL PILES	HP 12 X 53 STEEL PILES	STEEL PILE POINTS	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	NATIVE MATERIAL
	LBS.	LBS.	NO. LIN. FT.	NO.	NO. LIN. FT.	EACH	LIN. FT.	TONS	SQ. YARDS	LUMP SUM	CU. YARDS
SUPERSTRUCTURE			10 789.17							LUMP SUM	
END BENT 1	4,889			8	8	120	8	316.67	300	273	
BENT 1	9,138	1,787							200	182	
END BENT 2	4,889			8	8	160	8	620	564		75.3
TOTAL	18,916	1,787	10 789.17	16	16	280	16	316.67	1,120	1,019	LUMP SUM 75.3

DWN. BY: WDC DATE: 07/23  
 CHKD. BY: PRG DATE: 07/23  
 DES. EGR. OF RECORD: PRG DATE: 07/23

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**  
 Johnson, Mirmiran, & Thompson Inc.  
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 Raleigh, NC, 27609  
 License No: C-3097

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