

GENERAL NOTES:

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1
- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18 - EVALUATING SCOUR AT BRIDGES."
- 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 DIFFERENCE BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.
- REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL REMOVE THE BRIDGE AND SUBMIT PLANS FOR DEMOLITION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- 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 EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- ASPHALT WEARING SURFACE IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.
- THE EXISTING STRUCTURE #380143 CONSISTING OF FOUR (4) TIMBER SPANS @ 35'-4", 45'-0", 35'-0", AND 45'-6" (160'-10" TOTAL DECK LENGTH), 19'-0" CLEAR ROADWAY WIDTH AND TIMBER DECK WITH AN ASPHALT WEARING SURFACE ON TIMBER END BENTS AND BENT 1 WITH TIMBER PILES AND BENT 2 & BENT 3 WITH CONCRETE PIERS NEAR THE WATER LINE AND LOCATED AT THE PROPOSED STRUCTURE SHALL BE REMOVED IN THEIR ENTIRETY. EXISTING INTERIOR BENTS SHALL BE REMOVED TO ONE FOOT BELOW THE MUD LINE. THE EXISTING BRIDGE IS PRESENTLY CLOSED TO TRAFFIC AND TRAFFIC IS NOT PERMITTED TO CROSS THE BRIDGE.
- FOR REMOVAL OF EXISTING BRIDGE, SEE SPECIAL PROVISIONS.

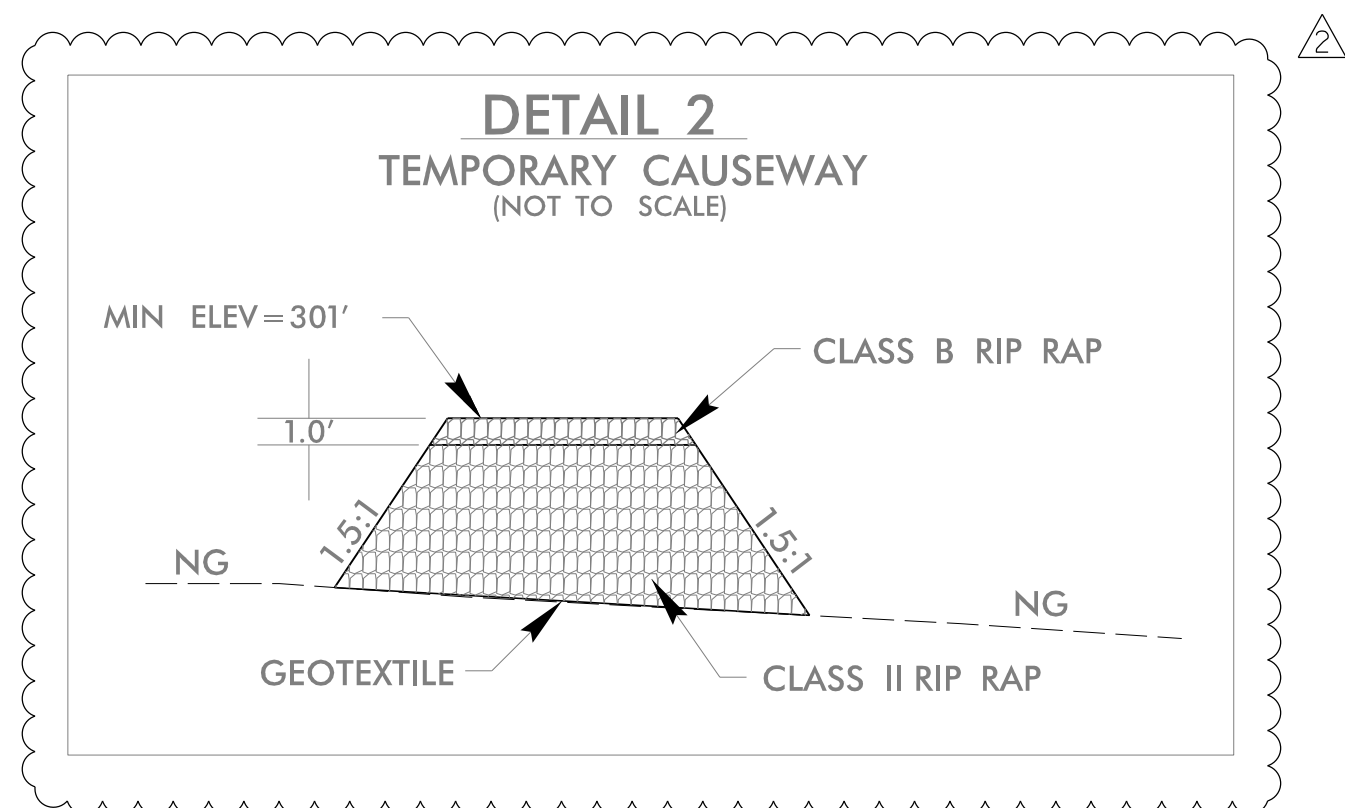
LOCATION SKETCH

TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS	REMOVAL OF EXISTING STRUCTURE	ASBESTOS ASSESSMENT	3'-0" DIA. DRILLED PIERS NOT IN SOIL	3'-0" DIA. DRILLED PIERS IN SOIL	PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIER	SID TESTING	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES	HP 12X53 STEEL PILES	2-BAR METAL RAIL	1'-2" x 2'-9 1/2" CONCRETE PARAPET	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	3'-0" x 1'-9" PRESTRESSED CORED SLABS	TEMPORARY SHORING		
	LUMP SUM	LUMP SUM	LUMP SUM	LINE. FT.	LINE. FT.	LINE. FT.	EACH	EACH	LUMP SUM	CY	LUMP SUM	LBS	LBS	EACH	No.	LF	LF	LF	TON	SY	LUMP SUM	No.	LF	SF
SUPERSTRUCTURE											LUMP SUM										LUMP SUM	48	2400.00	
END BENT No. 1									LUMP SUM	22.8		2,806		7	7	175			440	485				4000
BENT No. 1				45.0	39.0	69.0	1	1		17.7		9,113	1,568											
BENT No. 2				45.0	51.0	78.0	1	1		17.6		9,737	1,761											
BENT No. 3				15.0	63.0	69.0	1	1		17.5		8,754	1,453											
END BENT No. 2									LUMP SUM	22.8		2,806		7	7	175			400	440				4000
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	105.0	153.0	216.0	3	3	LUMP SUM	98.4	LUMP SUM	33,216	4,782	14	14	350	385.75	400.75	840	925	LUMP SUM	48	2400.00	8000

GENERAL NOTES (CONTINUED):

- FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.
- BEST MANAGEMENT PRACTICES FOR BRIDGE DEMOLITION AND REMOVAL WILL BE IMPLEMENTED DURING THE REMOVAL OF THE EXISTING BRIDGE.
- 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 14+66.00 -L-.
- THE CONTRACTOR SHALL PROVIDE MARKED UP "AS-BUILT" PLANS TO THE RESIDENT ENGINEER UPON COMPLETION OF THE PROJECT. THE RESIDENT ENGINEER SHALL FORWARD AS-BUILTS TO THE DIVISION 5 ENVIRONMENTAL OFFICER AND THE NCDOT HYDRAULICS UNIT (NCDOT_HYDRAULICS_AS-BUILT_PLANS@NCDOT.GOV). THE PURPOSE OF THE SUBMITTAL IS TO MEET THE REQUIREMENT OF SUBMITTING AS-BUILT PLANS TO THE USACE AND ALSO FOR THE NCDOT HYDRAULICS UNIT TO DETERMINE QUANTITY OF MITIGATION CREDITS TO APPLY TO THE MITIGATION BANK.



- ADD TEMPORARY CAUSEWAY (TEMPORARY ACCESS)
- BENT CAP WIDTH AND QUANTITY UPDATE

PROJECT NO. B-5323
GRANVILLE COUNTY
 STATION: 14+66.00 -L-

SHEET 3 OF 3



DocuSigned by:
 David Ruggles
 4/21/2023
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 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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STEWART

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 BRIDGE OVER JOHN H. RESERVOIR
 ON SR 1442 (DAVE WINSTON RD)
 BETWEEN SR 1431 AND VIRGINIA

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-3
1	JCW	4/20/23	3			TOTAL SHEETS 26
2	DRR	4/21/23	4			

B-5323

4/21/2023
 \\400-003-B5323-SMU-LS03.dgn
 USER:dfault

DRAWN BY: V. CHUNG DATE: 10-18
 CHECKED BY: E. PHELPS DATE: 11-18
 DESIGN ENGINEER OF RECORD: D. RUGGLES DATE: 12-18