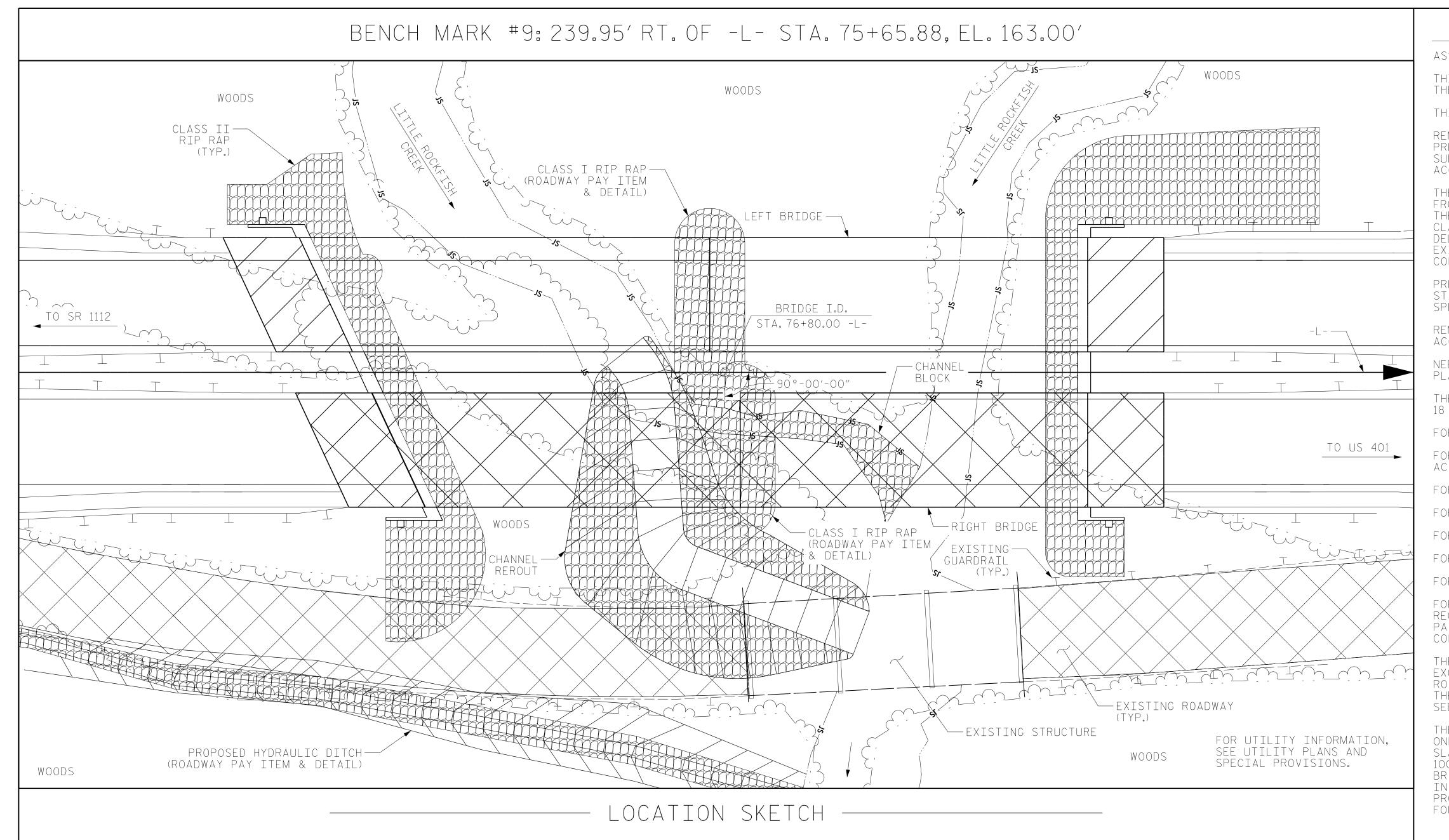
+



	TOTAL	BILL	OF N	1 A -	TERI	AL	S								
S	CLASSIFIED TRUCTURE CAVATION	REINFORCE CONCRETE DECK SLAB	RETE BRIDGE		CLASS A Concrete		BRIDGE APPROACH SLABS	REINFORCING STEEL		63″F.I.B. PRESTRESSED CONCRETE GIRDERS			PILE DRIVING EQUIPMENT SETU FOR HP 14X73 STEEL PILES		
L	UMP SUM	SQ.FT.	FT. SQ.FT.		CU. YDS.		LUMP SUM	LBS.		NO.	LIN.FT.		EACH		
		10,090	8,635	8,635						8	988.2		\frown		
					68.7			9,183					(12)		
				45.3			5,056)	
			56.4			7,552					<pre>{ 10 }</pre>)		
L	UMP SUM	MP SUM 10,090 8,635		170.4	170.4 LUMP SUN		21,791		8	988.2)	
36″ØX0.5″ Alvanized Eel piles		PILE REDRIVES	TWO BAR Metal Rail	METAL BA		С	2″X 3′-3″ ONCRETE PARAPET	RIP RAP CLASS II (2'-0"THICK))	GEOTEXTILE FOR DRAINAGE		ELASTOMERIC BEARINGS			ANSION NT SEAL
	LIN.FT.	EACH	LIN.FT.	L	LIN.FT.		_IN.FT.	TONS		SQ.YDS.		LUMP	SUM	SUM LUMP S	
			251.0		260.8		259.0								
		6						167		185					
	650.0	3													
		5						365		2	405				
_	650.0	14	251.0		260.8		259.0	532		Ę	590	LUMP	SUM	LUN	MP SUM

							BILL	$\bigcirc \vdash \bigcirc$	Д		A L S						
	REMOVAL OF EXISTING ASBESTOS PDA STRUCTURE @ ASSESMENT TESTING TA. 76+80.00 -L-		UNCLASSIFIED STRUCTURE EXCAVATION		REINFORCED GROOVI CONCRETE BRIDG DECK SLAB FLOOR		-	CLASS A Concrete		REINFORCING STEEL	63″F.I.B. Prestresse concrete gire		ED EQUIPN		E DRIVING MENT SETUP HP 14X73 EL PILES		
	LUMP SUM	LUMP S	SUM	EACH	L	UMP SUM	SQ.FT.	SQ.FT.	0	CU. YDS.	LUMP SUM	LBS.	NO.	LIN.	FT.		EACH
SUPERSTRUCTURE							10,090	8,635					8	988	3.2	($\sim A$
END BENT NO.1										68.7		9,183					12
BENT NO.1										45.3		5,056				>	\$
END BENT NO.2										56.4		7,552				5	10 {
TOTAL	LUMP SUM	LUMP S	SUM	2	L	UMP SUM	10,090	8,635		170.4	LUMP SUM	21,791	8	988	8.2	ζ	22 2
	PILE DRIVING EQUIPMENT SET FOR PP 36"ØX GALVANIZED STEEL	UP D.5″		14X73 L PILES	GAL	6″ØX0.5″ _vanized Eel piles	PILE REDRIVES	TWO BAR Metal Rail	ΒA		'-2" X 3'-3" CONCRETE PARAPET	RIP RAP CLASS II (2'-0"THICK)	F	EXTILE For Inage	elast(bear		EXPANSION Joint sea
-	EACH		NO.	LIN.FT.	NO.	LIN.FT.	EACH	LIN.FT.	L]	EN.FT.	LIN.FT.	TONS	SQ	, YDS.	LUMP	SUM	LUMP SUM
SUPERSTRUCTURE			~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				251.0	2	260.8	259.0						
END BENT NO.1		8	12	720.0)			6					167		185			
BENT NO.1	5	Ś		{	5	650.0	3										
END BENT NO.2		ξ	10	700.0			5					365	2	105			
TOTAL	5	5	22	1,420.0)	5	650.0	14	251.0	2	260.8	259.0	532	Ę	590	LUMP	SUM	LUMP SUM

DRAWN BY :	NSC		DATE :	03/2020
CHECKED BY :	MK	0	DATE :	04/2021
DESIGN ENGINEER	OF RECORD:	RLB	DATE :	09/2021

3/10/2022 \\rsandh.com\files\Transportation\P\1031782004_U-5798 (Gillis HillRoad)_P&D\Design\Structures\CAD\Left Lane Bridge\401_005_U5798A_SMU_GD_S-3_250075.dgn CuanyN

HYDRAULI

DESIGN DISCHARGE FREQUENCY OF DESIGN DISCHARG DESIGN HIGH WATER ELEVATION DRAINAGE AREA BASE DISCHARGE (Q100) BASE HIGH WATER ELEVATION

OVERTOPPING

OVERTOPPING DISCHARGE FREQUENCY OF OVERTOPPING * OVERTOPPING ELEVATION *SAG @ STA.

OCUMENT NOT FINAL UNL A REVISED HP 14X73 STEEL PILE COUNT AND LENGTH SIGNATURES

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.

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.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.

PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIUE OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

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

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

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, 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 OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR INTERIOR BENT NO.1, ONLY PARTIAL GALVANIZING OF THE PILES IS REQUIRED.SEE INTERIOR BENT SHEETS FOR REQUIRED GALVANIZING LENGTHS. PAYMENT FOR PARTIALLY GALVANIZED PILES WILL BE MADE UNDER THE CONTRACT UNIT PRICE FOR GALVANIZED STEEL PILES.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET S1-1 SHALL BE EXCAVATED FOR A DISTANCE OF 47 FT LEFT AND 26 FT RIGHT 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 THREE SPANS, ONE SPAN AT 30'-2", ONE SPAN AT 30'-1" AND ONE SPAN AT 30'-2" ON PRESTRESSED CONCRETE COREE SLABS, 32'-O"CLEAR ROADWAY WIDTH ON STEEL PILES AND LOCATED APPROXIMATELY 100' DOWNSTREAM FROM THE PROPOSED BRIDGE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

C DATA	
= 710 CFS = 25 YRS = 152.1' = 16.1 SQ.MI. = 970 CFS = 153.6'	PROJECT NO. <u>U-5798A</u>
FLOOD DATA	CUMBERLAND COUNTY
= 1,300+ CFS = 500+ YRS = 163.44′	STATION: 76+80.00 -L-
A.80+55.33 -L-	SHEET 3 OF 3
Portusidhed bor RO/	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
	GENERAL DRAWING
3/11/2022	LEFT LANE BRIDGE ON SR 1102 OVER LITTLE ROCKFISH CREEK BETWEEN SR 1112 AND US 401
ITJOLI	LEFT LANE
RS&H Architects-Engineers-Planners, Ir	C. REVISIONS SHEET NO.
8521 Six Forks Road, Suite 400 T CONSIDERED 010 026 4100 EAX 010 846 0080	NO. BY: DATE: NO. BY: DATE: S1-3
919-926-4100 FAX 919-846-9080 VLESS ALL S COMPLETED North Carolina License Nos. 50073 * F-0493 * C-28	1 NSC 03/2022 3 TOTAL SHEETS 2 43