

DRAWN BY :	DATE : 10/2021
CHECKED BY :G.R. COLS	DATE : _10/2021_
	DATE : 10/2021
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6/9/2022 11:23:54 AM DATE: TIME:

NOTEC

С	OF MATERIAL											
S D OT L	PERMANENT STEEL CASING FOR 3'-6"ØDRILLED PIER	SID INSPECTION	SPT TESTING	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	REINFORCED CONCRETE DECK SLAB						
	LIN.FT.	EACH	EACH	EACH	LUMP SUM	SQ.FT.						
						8,825						
	60.0											
	48.2											
	108.2	1	1	1	LUMP SUM	8,825						

3 OR ALTERNATE LOADING.	THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET S2-01 SHALL BE EXCAVATED FOR A DISTANCE OF 80 FT.LEFT OF							
IGNED IN ACCORDANCE WITH THE N SPECIFICATIONS.	CENTERLINE -L- 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							
N SEISMIC ZONE 1.	THE STANDARD SPECIFICATIONS.							
D GENERAL NOTES, SEE SHEET SN.	STRUCTURE CONSISTING OF 5 SPANS AT 40FT OF REINFORCED							
DRAWINGS, SEE SPECIAL	CONCRETE DECK ON STEEL I-BEAMS ON CONCRETE SUBSTRUCTURE AND LOCATED AT THE EXISTING STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD.							
RK, SEE SPECIAL PROVISIONS.	THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT.SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORIRATE DURING THE CONSTRUCTION OF THE PROPOSED							
CIAL PROVISIONS.	BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.							
, SEE SPECIAL PROVISIONS.	THE SUBSTRUCTURE OF THE EXISTING BRIDGES INDICATED ON							
SED IN LIEU OF METAL CCORDANCE WITH ARTICLE 420-3 OF	THE PLANS IS FROM THE BEST INFORMATION AVAILABLE.THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR.THE CONTRACTOR SHALL HAVE NO CLAIM							
ONS. L BE IN ACCORDANCE WITH THE	WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON							
ND SHALL PROVIDE FOR BICYCLES.	DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE							
ON, AND UPON REMOVAL OF THE P RAP USED IN THE CAUSEWAY MAY	PROJECT SITE.							
PE PROTECTION.SEE SPECIAL ION,MAINTENANCE AND REMOVAL OF ION 21+22.00 -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							
ALLOWED UNLESS INCLUDED ON THE	REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.							
ENGINEER.	THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH							
STEM ON THE EXISTING STRUCTURAL THE EXISTING STRUCTURE, THE S DIRECTED TO ARTICLE 107-1 OF	"HEC 18 - EVALUATING SCOUR AT BRIDGES." THE SCOUR CRITICAL ELEVATIONS FOR BENT NO.1 ARE 683.0							
ONS. ANY COSTS RESULTING FROM LE STATE OR FEDERAL REGULATIONS	(LEFT),684.0 (CENTER),AND 685.0 (RIGHT).THE SCOUR CRITICAL ELEVATIONS FOR BENT NO.2 ARE 688.0 (LEFT),687.0 (CENTER),							
F MATERIALS CONTAINING LEAD LUDED IN THE BID PRICE FOR	AND 686.0 (RIGHT). SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE							
UCTURE AT STATION 21+22.00 -L-". THE BRDIGE DECK SHALL CONTAIN	STRUCTURE. For erosion control measures,see erosion control plans.							
ATED BLAST FURNACE SLAG AT THE IED IN ARTICLE 1024-1 AND	FOR ERUSION CONTROL MEASURES, SEE ERUSION CONTROL PLANS. FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND							
ES 1024-5 AND 1024-6 OF THE NO PAYMENT WILL BE MADE FOR	RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.							
IS CONSIDERED INCIDENTAL TO THE ONCRETE DECK SLAB.	E FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY ACCESS, SEE SPECIAL PROVISIONS.							
	THE CONTRACTOR'S ATTENTION SHALL BE DRAWN TO THE FACT THAT ONLY 50% OF THE CHANNEL WILL BE ALLOWED TO BE							
SAMPLE BAR	BLOCKED AT ANY TIME.NO MORE THAN ONE TEMPORARY ACCESS CAUSEWAY MAY BE INSTALLED AT ANY ONE TIME.DEWATERING							
REPLACEMENT SIZE LENGTH	FOR REMOVAL OF EXISTING STRUCTURE IS PERMITTED ONLY WITHIN THE TEMPORARY ACCESS LIMITS SHOWN.							
#3 6'-2"	THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS:FOR PROJECTS							
$\begin{array}{c} +3 & 6'-2'' \\ +4 & 7'-4'' \\ +5 & 8'-6'' \\ +6 & 9'-8'' \end{array}$	REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS							
	REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS							
#7 10'-10" #8 12'-0"	SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS							
# 9 13'-2″	SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART.PAYMENT FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.							
#10 14'-6" #11 15'-10"								
NOTE:								
SAMPLE BAR REPLACEMENT LENGTHS BASED ON	<pre>/1\ REVISION #1: REMOVED PREDRILLING FOR PILES PAY ITEM.</pre>							
30''(SAMPLE LENGTH) PLUS TWO SPLICE LENGTHS AND $f_v = 60ksi$.								
	project no. <u>B-5717</u>							
	GUILFORD COUNTY							
GEOTEXTILE ELASTOMERIC FOR BEARINGS	STATION:21+22.00 -L							
DRAINAGE								
SQ. YDS. LUMP SUM	SHEET 3 OF 3							
LUMP SUM 312	AECOM DEPARTMENT OF TRANSPORTATION							
(9	AECOM TECHNICAL SERVICES OF NC, INC. 5438 WADE PARK BOULEVARD, SUITE 200 RALEIGH, NC 27607 19) 854-6200 www.aecom.com AECOM License No. F-0342 GENERAL DRAWING							
239	UENERAL URAWING							
	FOR BRIDGE ON SR 4240 OVER							
551 LUMP SUM	S. BUFFALO CREEK BETWEEN E. FLORIDA ST. AND SR 3140							

1,78	31,443 EL.	717.76					,	NOT	ES:							
ROPOSED GUARDRAIL X X X WOODS								ע THIS AASH	BRIDGE HAS TO LRFD BRI	5 BEEN DESIG DGE DESIGN	OR ALTERNATE GNED IN ACCORE SPECIFICATION SEISMIC ZONE	DANCE WITH THE NS.	S2-O1 SHALL BE E CENTERLINE -L- A WILL BE PAID FO	OWN IN THE CROSS-HATCHED AREA ON SHEET XCAVATED FOR A DISTANCE OF 80 FT.LEFT OF AS DIRECTED BY THE ENGINEER.THIS WORK R AT THE CONTRACT LUMP SUM PRICE FOR RUCTURE EXCAVATION.SEE SECTION 412 OF ECIFICATIONS.		
$\frac{GE ID}{21+22.00} - L - 2$							کن ــــــــــــــــــــــــــــــــــــ	FOR PROV	FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS. FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS. FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.					S A TEMPORARY STRUCTURE, THE EXISTING STING OF 5 SPANS AT 40FT OF REINFORCED N STEEL I-BEAMS ON CONCRETE SUBSTRUCTURE THE EXISTING STRUCTURE SHALL BE REMOVED. IDGE IS PRESENTLY NOT POSTED FOR LOAD E STRUCTURAL INTEGRITY OF THE BRIDGE URING THE CONSTRUCTION OF THE PROPOSED IMIT MAY BE POSTED AND MAY BE REDUCED ARY DURING THE LIFE OF THE PROJECT.		
						REMO TSTAY THE S ALL F PAVE	VABLE FORMS -IN-PLACE F STANDARD SF PAVEMENT MA MENT MARKIN	S MAY BE US ORMS IN ACC PECIFICATIO ARKING WILL NG PLANS AN	NS. BE IN ACCORD	METAL ARTICLE 420-3 O ANCE WITH THE DE FOR BICYCLES.	THE PLANS IS FR F INFORMATION IS CONTRACTOR.THE WHATSOEVER AGAI FOR ANY DELAYS DIFFERENCES BET	E OF THE EXISTING BRIDGES INDICATED ON OM THE BEST INFORMATION AVAILABLE.THIS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR SHALL HAVE NO CLAIM NST THE DEPARTMENT OF TRANSPORTATION OR ADDITIONAL COST INCURRED BASED ON WEEN THE EXISTING BRIDGE SUBSTRUCTURE ANS AND THE ACTUAL CONDITIONS AT THE				
					<u> </u>	SR 3140		CAUSI BE PL PROV TEMP	EWAY, THE CL LACED AS RI ISIONS FOR ORARY ACCES LE BEAMS WI	ASS II RIP P RAP SLOPE CONSTRUCTI SS AT STATI	RAP USED IN E PROTECTION.S ON, MAINTENANC ON 21+22.00 -L ALLOWED UNLESS	THE CAUSEWAY MA SEE SPECIAL E AND REMOVAL O	REMOVAL OF THE F MANNER THAT PRE WATER.THE CONTR REVIEW AND REMO E ARTICLE 402-2 OF	EXISTING BRIDGE SHALL BE PERFORMED IN A VENTS DEBRIS FROM FALLING INTO THE ACTOR SHALL SUBMIT DEMOLITION PLANS FOR OVE THE BRIDGE IN ACCORDANCE WITH F THE STANDARD SPECIFICATIONS. HAS BEEN DESIGNED IN ACCORDANCE WITH		
200′C .)			E AFTER E Demoliti		G	Ċ.		INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD FOR THE EXISTING STRUCTURE, 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 21+22.00 -L-''.					AL ``HEC 18 - EVALUA THE SCOUR CRITI (LEFT),684.0 (CEN IS ELEVATIONS FOR AND 686.0 (RIGHT MONITOR POSSIBL	THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18 - EVALUATING SCOUR AT BRIDGES." THE SCOUR CRITICAL ELEVATIONS FOR BENT NO.1 ARE 683.0 (LEFT), 684.0 (CENTER), AND 685.0 (RIGHT). THE SCOUR CRITICAL ELEVATIONS FOR BENT NO.2 ARE 688.0 (LEFT), 687.0 (CENTER), AND 686.0 (RIGHT). SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.		
NOTE: FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.								FLY SUBS INAC STAN THIS	ASH OR GROL TITUTION RA CORDANCE WI DARD SPECIF SUBSTITUTI	IND GRANULA Ate specifi Ith article Fications.n Ion as it i	TED BLAST FURM ED IN ARTICLE S 1024-5 AND 1 O PAYMENT WIL	024-6 OF THE L BE MADE FOR INCIDENTAL TO T	FOR ASBESTOS AS RENOVATION ACTI	TROL MEASURES, SEE EROSION CONTROL PLANS. SESSMENT FOR BRIDGE DEMOLITION AND VITIES, SEE SPECIAL PROVISIONS. N, MAINTENANCE, AND REMOVAL OF TEMPORARY IAL PROVISIONS.		
0	F MAT	ER	IAL								SAMPLE E		THAT ONLY 50% O Blocked at any Causeway may be	S ATTENTION SHALL BE DRAWN TO THE FACT F THE CHANNEL WILL BE ALLOWED TO BE TIME.NO MORE THAN ONE TEMPORARY ACCESS INSTALLED AT ANY ONE TIME.DEWATERING EXISTING STRUCTURE IS PERMITTED ONLY		
Ø ID IOT IL	PERMANENT CASING 3'-6″ØDR PIER LIN.F	FOR ILLED	INSPE	CTION	SPT TESTING EACH	CSL TESTING EACH	STRI EXCA	JCTURE	REINFORCED CONCRETE DECK SLAB SQ.FT.		SIZE LENC #3 6' #4 7' #5 8'	ЭТН 2″ 4″	WITHIN THE TEMP THE CONTRACTOR SAMPLES OF REIN REQUIRING UP TO	ORARY ACCESS LIMITS SHOWN. SHALL PROVIDE INDEPENDENT ASSURANCE FORCING STEEL AS FOLLOWS: FOR PROJECTS 400 TONS OF REINFORCING STEEL, ONE 30 EACH SIZE BAR USED, AND FOR PROJECTS		
	60.0								8,825		#6 9'- #7 10'- #8 12'- #9 13'- #10 14'-	8″ 10″ 0″ 2″ 6″	REQUIRING OVER INCH SAMPLES OF SHOULD COME FRO THE SAMPLE BARS SPECIFIED IN TH FOR THE SAMPLE	400 TONS OF REINFORCING STEEL, TWO 30 EACH SIZE BAR USED. THE SAMPLE BARS M STEEL ACTUALLY USED IN THE PROJECT AND SHOULD BE REPLACED BY SPLICED BARS AS E SAMPLE BAR REPLACEMENT CHART. PAYMENT BARS AND REPLACEMENT REINFORCING STEEL ERED INCIDENTAL TO VARIOUS PAY ITEMS.		
	108.2	2	1		1	1	LUM	IP SUM	8,825	S L 3	The second secon	LACEMENT ON STH)		A REVISION #1: REMOVED PREDRILLING FOR PILES PAY ITEM.		
В	ILL O	FN	ΛΑΤΕΙ	RIAL	-~~~						ND f _y = 60ksi.			PROJECT NO. <u>B-5717</u> GUILFORD COUNTY		
IIPME OR H	DRIVING INT SETUP P 12×53 PILES	HP STEE	12x53 L PILES	STEEL PILE POINTS	8	T W C ME	D BAR Etal AIL	CONCRETE BARRIER RAIL	1'-2" X 2'-6" CONCRETE PARAPET	' RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS		COILFORDCOUNTY STATION:21+22.00 -L		
	ACH	NO.	LIN.FT.	EACH			N.FT.	LIN.FT.	LIN.FT.	TON	SQ. YDS.	LUMP SUM		SHEET 3 OF 3		
	8	8	200	8		K 20	94.88	213.07	213.07	281	312	LUMP SUM	AECOM TECHNICAL SERVICES OF NC, INC. 5438 WADE PARK BOULEVARD, SUITE 200 RALEIGH, NC 27607	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH		
	8	8	200	8	\$					215	239		RALEIGH, NC 27607 (919) 854-6200 www.aecom.com AECOM License No. F-0342	GENERAL DRAWING		
	8 16	16	400	8 16		/)4.88	213.07	213.07	496	551	LUMP SUM	TH CARO/Man	FOR BRIDGE ON SR 4240 OVER S.BUFFALO CREEK BETWEEN		
													Decusigned by: SEAL	E.FLORIDA ST. AND SR 3140		

		SHEET NO.				
NO.	BY:	DATE:	N0 .	BY:	DATE:	S2-03
1	GRC	6-9-22	S			TOTAL SHEETS
2			Þ			38