

4,775

15 1,055.73

DRAWN BY :	DATE : 10/2021
CHECKED BY :G.R. COLS	DATE : 10/2021
	DATE : <u>10/2021</u>
DESIGN CHECKED BY : _G.R. COLS	DATE : <u>10/2021</u>

7,863

178.2

LUMP SUM

37,412

6/9/2022 11:03:48 AM DATE: TIME:

> gre pw: USER: DGN:

TOTAL

NOTEC

С	OF MATERIAL										
y 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					
	48.2										
	51.4										
	99.6	1	1	1	LUMP SUM	8,825					

R ALTERNATE LOADING		THE MATERIAL SH S1-01 SHALL BE EX	KCAVATED FOR A I	DISTANCE OF	75′FT.RI	GHT
NED IN ACCORDANCE WI SPECIFICATIONS.	IH IHE	OF CENTERLINE -L WILL BE PAID FO UNCLASSIFIED ST	R AT THE CONTRA	CT LUMP SUN	1 PRICE F	OR
SEISMIC ZONE 1.		THE STANDARD SP	ECIFICATIONS.			
GENERAL NOTES, SEE SH	EET SN.	AFTER SERVING A STRUCTURE CONSI				
RAWINGS, SEE SPECIAL		CONCRETE DECK G	IRDERS ON CONCR EXISTING STRUCT	ETE SUBSTRU URE SHALL B	CTURE ANE E REMOVEE) D.THE
,SEE SPECIAL PROVISI	IONS.	EXISTING BRIDGE	CTURAL INTEGRIT	Y OF THE BR	IDGE	
AL PROVISIONS.		DETERIORIRATE D BRIDGE, A LOAD L AS FOUND NECESS	IMIT MAY BE POS	STED AND MA`	Y BE REDU	
EE SPECIAL PROVISION	IS.	THE SUBSTRUCTUR				
D IN LIEU OF METAL Ordance With Article	420-3 OF	THE PLANS IS FRUIT INFORMATION IS	OM THE BEST INF	ORMATION AV	/AILABLE.	
S.		CONTRACTOR. THE WHATSOEVER AGAI	NST THE DEPARTM	IENT OF TRAM	ISPORTATI	
BE IN ACCORDANCE WI SHALL PROVIDE FOR E	IH IHE BICYCLES.	DIFFERENCES BET	WEEN THE EXISTI	NG BRIDGE SI	JBSTRUCTL	JRE
, AND UPON REMOVAL OF RAP USED IN THE CAUS		SHOWN ON THE PL project site.	ANS AND THE ACT	UAL CONDITI	UNS AT T	HE
PROTECTION. SEE SPEC N, MAINTENANCE AND R	IAL	REMOVAL OF THE MANNER THAT PRE				
N 21+22.00 -L	LINOVAL OI	WATER. THE CONTR REVIEW AND REMO	ACTOR SHALL SUB	MIT DEMOLIT	ION PLAN	IS FOR
LOWED UNLESS INCLUD Ngineer.	ED ON THE	402-2 OF THE STA	ANDARD SPECIFIC	ATIONS.		
EM ON THE EXISTING LEAD FOR THE EXISTIN	C	THIS STRUCTURE ``HEC 18 - EVALUA			DANCE WI	ΙΗ
ATTENTION IS DIRECT RD SPECIFICATIONS.AN	ED TO	THE SCOUR CRITI	CAL ELEVATION F	OR BENTS NO	.1 AND 2	ARE
WITH APPLICABLE STATIONS. AN NING TO HANDLING OF	TE OR	ELEVATIONS ARE DURING THE LIFE	USED TO MONITOR	R POSSIBLE S	COUR PRO	BLEMS
T SHALL BE INCLUDED EXISTING STRUCTURE A	IN THE	FOR EROSION CON			CONTROL F	PLANS.
HE BRDIGE DECK SHALL		FOR ASBESTOS AS RENOVATION ACTI				
ED BLAST FURNACE SLA D IN ARTICLE 1024-1 A	G AT THE	FOR CONSTRUCTIO				RARY
1024-5 AND 1024-6 OF PAYMENT WILL BE MA	THE DE FOR	ACCESS, SEE SPEC	IAL PROVISIONS.			
CONSIDERED INCIDEN CONCRETE DECK SLAB	TAL TO	THAT ONLY 50% O	F THE CHANNEL W	ILL BE ALLOW	NED TO BE	_
		BLOCKED AT ANY CAUSEWAY MAY BE FOR REMOVAL OF	INSTALLED AT A	ANY ONE TIME	E. DEWATER	RING
SAMPLE BAR REPLACEMENT		WITHIN THE TEMP				
SIZE LENGTH		THE CONTRACTOR SAMPLES OF REIN	FORCING STEEL A	S FOLLOWS: F	OR PROJEC	CTS
#3 6'-2" #4 7'-4"		REQUIRING UP TO INCH SAMPLE OF	EACH SIZE BAR US	SED, AND FOR	PROJECTS	- >
#5 8'-6"		REQUIRING OVER INCH SAMPLES OF SHOULD COME FRO	EACH SIZE BAR U	USED.THE SAN	MPLE BARS	5
#6 9'-8" #7 10'-10"		THE SAMPLE BARS SPECIFIED IN TH	SHOULD BE REPLA	ACED BY SPL	ICED BARS	S AS
#8 12'-0"		FOR THE SAMPLE SHALL BE CONSIDI	BARS AND REPLAC	EMENT REINF	ORCING S	TEEL
#9 13'-2" #10 14'-6"						
#11 15'-10"						
NOTE: Sample bar replacemi	TNT		VISION #1:		c	
LENGTHS BASED ON 30" (SAMPLE LENGTH)	_ • • •		MOVED PREDRILLI Y ITEM.	NG FUR PILE	2	
PLUS TWO SPLICE LENG AND $f_y = 60$ ksi.	GTHS					
]		PROJECT NO	DE	3-5717	
			GUIL	FORD	со	UNTY
GEOTEXTILE ELASTON FOR BEARI			STATION:	21+22.		
DRAINAGE						
SQ. YDS. LUMP			SHEET 3 OF 3			
259 LUMP		AECOM		STATE OF NORTH CARC		TION
	54	COM TECHNICAL SERVICES OF NC, INC. 38 WADE PARK BOULEVARD, SUITE 200 RALEIGH, NC 27607 854-6200 www.aecom.com AECOM License No. F-0342				
225				NAL UN		
		WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	FOR BRIDG			
484 LUMP		isigned as	S.BUFFAL E.FLORID			EN 5140
			(R	IGHT LA		
		Signed av Signed av FESSION	RI NO. BY: DATE:	EVISIONS NO. BY:	DATE:	SHEET NO. S1-03
DOCUMENT NOT CO FINAL UNLESS SIGNATURES CON	ALL	-, -,	1 GRC 6-9-22 2	2 3 4		TOTAL SHEETS 38
JIONATONES CON				 ∽ưˈ		

1,78	81,443 EL. ⁻	717.76					,	NOT	ES:								
		THE Y		X X X	Br K K X	9° _+		ASSUMED LIVE LOAD = HL 93 OR ALTERNATE LOADING.					S1-01 SHALL BE E>	THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET S1-01 SHALL BE EXCAVATED FOR A DISTANCE OF 75' FT.RIGHT			
COPOSED GUARDRATI							د. در				NED IN ACCOR SPECIFICATIC	DANCE WITH THE NS.	WILL BE PAID FO	- AS DIRECTED BY THE ENGINEER. THIS WORK R AT THE CONTRACT LUMP SUM PRICE FOR			
ROPOSED GUARDRAIL COADWAY DETAIL & PAY ITEM) (YP.)							کې کړ	THIS	BRIDGE IS	LOCATED IN	SEISMIC ZONE	1.	THE STANDARD SP	RUCTURE EXCAVATION.SEE SECTION 412 OF ECIFICATIONS.			
GE I		X EA		\neg	\backslash	- 5	کې.	FOR	OTHER DESIG	N DATA AND	GENERAL NOTE	S,SEE SHEET SN.		S A TEMPORARY STRUCTURE, THE EXISTING STING OF 5 SPANS AT 40FT OF REINFORCED			
21+22			- cift	iprij	furi	ripio	_		FOR SUBMITTAL OF WORKING DRAWINGS,SEE SPECIAL PROVISIONS.				LOCATED AT THE	IRDERS ON CONCRETE SUBSTRUCTURE AND EXISTING STRUCTURE SHALL BE REMOVED. THE			
		r		<u> </u>	<u> </u>			FOR F	FALSEWORK A	ND FORMWOR	K,SEE SPECIAL	PROVISIONS.	SHOULD THE STRU	IS PRESENTLY NOT POSTED FOR LOAD LIMIT. CTURAL INTEGRITY OF THE BRIDGE			
	/							FOR (CRANE SAFET	Y,SEE SPECI	AL PROVISION	S.	BRIDGE, A LOAD L	URING THE CONSTRUCTION OF THE PROPOSED IMIT MAY BE POSTED AND MAY BE REDUCED ARY DURING THE LIFE OF THE PROJECT.			
		 	4	 ==============================	<u> </u>						SEE SPECIAL P		THE SUBSTRUCTUR	E OF THE EXISTING BRIDGES INDICATED ON			
								T STAY	-IN-PLACE FO	ORMS IN ACC		METAL ARTICLE 420-3	OF INFORMATION IS	OM THE BEST INFORMATION AVAILABLE. THIS SHOWN FOR THE CONVENIENCE OF THE			
E	 /fP								STANDARD SP Pavement ma			ANCE WITH THE	WHATSOEVER AGAI	CONTRACTOR SHALL HAVE NO CLAIM NST THE DEPARTMENT OF TRANSPORTATION OR ADDITIONAL COST INCURRED BASED ON			
												DE FOR BICYCLE	S. DIFFERENCES BET	WEEN THE EXISTING BRIDGE SUBSTRUCTURE ANS AND THE ACTUAL CONDITIONS AT THE			
	₩	<u> </u>		HT LANK Kline		SR 3140		CAUSE	EWAY, THE CL	ASS II RIP	RAP USED IN	MOVAL OF THE THE CAUSEWAY N		PROJECT SITE.			
						<u> </u>		PROV	ISIONS FOR	CONSTRUCTI	PROTECTION. On, maintenan On 21+22.00 -1	CE AND REMOVAL	OF MANNER THAT PRE	EXISTING BRIDGE SHALL BE PERFORMED IN A VENTS DEBRIS FROM FALLING INTO THE ACTOR SHALL SUBMIT DEMOLITION PLANS FOR			
								-				- • S INCLUDED ON [·]	REVIEW AND REMC	VE THE BRIDGE IN ACCORDANCE WITH ARTICLE			
n	mm				1			PLAN:	S OR APPROV	ED BY THE E	INGINEER.		THIS STRUCTURE	HAS BEEN DESIGNED IN ACCORDANCE WITH			
								STRU	CTURAL STEE	L CONTAINS	TEM ON THE EX LEAD FOR THE	EXISTING		"HEC 18 - EVALUATING SCOUR AT BRIDGES."			
00′C .)						X		ARTI	STRUCTURE, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR				S ELEVATIONS 690.0 ELEVATIONS ARE	THE SCOUR CRITICAL ELEVATION FOR BENTS NO.1 AND 2 ARE ELEVATIONS 690.0 AND 688.0, RESPECTIVELY. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS			
	F	REMOVE	AFTER EMOLITI	EXISTIN ON	NG	Y		FEDEF CONT,	RAL REGULATI AINING LEAD	IONS PERTAI BASED PAIN	NING TO HAND NT SHALL BE I	LING OF MATERI NCLUDED IN THE	ALS DURING THE LIFE	DURING THE LIFE OF THE STRUCTURE.			
	NOTE: FOR				ON, SEE				PRICE FOR `` 2.00 -L-''.	REMUVAL OF	EXISIING SIF	RUCTURE AT STAT		FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.			
	UTILITY PI								THE CLASS AA CONCRETE IN THE BRDIGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE								
								INAC	SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND INACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS.NO PAYMENT WILL BE MADE FOR								
THIS								THIS	SUBSTITUTI	ON AS IT I		INCIDENTAL TO		S ATTENTION SHALL BE DRAWN TO THE FACT F THE CHANNEL WILL BE ALLOWED TO BE			
													BLOCKED AT ANY CAUSEWAY MAY BE	TIME.NO MORE THAN ONE TEMPORARY ACCESS INSTALLED AT ANY ONE TIME.DEWATERING			
OF MATERIAL									SAMPLE REPLAC			EXISTING STRUCTURE IS PERMITTED ONLY ORARY ACCESS LIMITS SHOWN.					
							IFIED REINFORCED SIZE LENGTH THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE										
	T 3'-6"Ø DRILLED INSPECTION TESTING TESTING STRUC PIER							#36'-2"REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30#47'-4"INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS									
Γ.	LIN.FT. EACH EACH EACH LUMP SUM						P SUM	SUM SQ.FT. #5 8'-6" REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND									
									#69'-8"SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS#710'-10"SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART.PAYMENT								
48.2									#812'-0"FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.								
	51.4											13'-2" 14'-6"					
											#11 1	5'-10″					
	99.6		1		1	1	LUM	P SUM	8,825		NOTE: Sample bar f	REPLACEMENT	1 REY	VISION #1: Moved predrilling for piles			
											LENGTHS BASE 30" (SAMPLE L	ED ON ENGTH)		Y ITEM.			
											PLUS TWO SPI AND f _y = 60ks						
R	ILL O			R T V										PROJECT NO			
					-)								GUILFORD COUNTY			
IPME	DRIVING ENT SETUP P 12×53		12×53 PILES	STEEL PILE POINT	(R N	NO BAR Metal Rail	CONCRETE BARRIER RAIL	1'-2" X 2'-6" CONCRETE PARAPET	RIP RAP CLASS II (2'-0"	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS		station:21+22.00 -L			
STEEL	_ PILES		·			K				THICK)				SHEET 3 OF 3			
Ē	ACH	NO. I	LIN.FT.	EACH	$\overline{\left\langle \right\rangle}$	<u>}</u>	IN.FT. 204.88	LIN.FT. 213.07	LIN.FT. 213.07	TON	SQ. YDS.	LUMP SUM	AECOM	STATE OF NORTH CAROLINA			
	8	8	200	8		K				233	259		AECOM TECHNICAL SERVICES OF NC, INC.	DEPARTMENT OF TRANSPORTATION			
					<u>}</u>	¥							5438 WADE PARK BOULEVARD, SUITE 200 RALEIGH, NC 27607 (919) 854-6200 www.aecom.com AECOM License No. F-0342	GENERAL DRAWING			
	8	8	200	8		K				202	225						
	16	16	400	16			204.88	213.07	213.07	435	484	LUMP SUM	Summer H CAROLAN	FOR BRIDGE ON SR 4240 OVER S.BUFFALO CREEK BETWEEN			
					· Loc	/							Doord Signed as	E.FLORIDA ST.AND SR 3140			
													(main 1800 FCC2CF4946F 1BODEFCC2CF4946F	(RIGHT LANE) REVISIONS SHEET NO.			
												T NOT CONSIDERE	D	NO. BY: DATE: NO. BY: DATE: S1-03			
														1 GRC 6-9-22 3 TOTAL SHEFTS			