COMPUTED BY:	PAS	DATE:	09 MAY 2019
CHECKED BY: _	VML	DATE:_	31 JAN 2020

SUMMARY OF EARTHWORK

	IN O	CUBIC YARDS			
	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
N BRIDGE)	88		751	663	
+75.00	24		1156	1132	
	112		1907	1795	
CTION			18	18	
ING					
OF BORROW					
	112		1925	1813	
BORROW PIT				91	
	112		1925	1904	
	130			2100	

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 19+75.00 TO 24+00.38 (BEGIN BRIDGE)	88		751	663	
-L- 25+57.42 (END BRIDGE) TO 29+75.00	24		1156	1132	
SUBTOTAL	112		1907	1795	
MATERIAL FOR SHOULDER CONSTRUCTION			18	18	
LOSS DUE TO CLEARING & GRUBBING					
ADDITIONAL UNDERCUT					
SELECT GRANULAR MAT'L IN LIEU OF BORROW					
PROJECT TOTAL	112		1925	1813	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				91	
GRAND TOTAL	112		1925	1904	
SAY	130			2100	
Earthwork quantities are calculated by the Roadway Design These earthwork quantities are based in part on subsurface provided by the Geotechnical Engineering Unit. Approximate quantities only. Clearing and Grubbing, Unclas Excavation, Fine Grading, and Removal of Existing Asphalt Pavement will be paid for at the contract lump sum price	Unit. data SELECT C Ssified ROCK E/ DDE =	OTECHNICAL REPOR APRIL 30, 2019. ED UNDERCUT = GRANULAR MATERIA FILE FOR SOIL STAB MBANKMENTS (-L- 3 320 CY	T - DESIGN AND 300 CY (CONTING) L = 300 CY (CON) ILIZATION = 300 STA 23 + 15.00 TO	CONSTRUCTION REENCY, AS DIRECTED NTINGENCY, TO BE SY (CONTINGENCY 24+10.00) = 150	ECOMMENDATIONS BY THE ENGINEER USED AS UNDERC (, AS DIRECTED BY TONS (SEE DETAIL

Excavation, Fine Grading, and Removal of Existing Asphalt Pavement will be paid for at the contract lump sum price for "Grading".

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL. TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT. FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL. W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.

G = GA $NG = N$	TING IMPACT ATTENUA ION-GATING IMPACT A	ATOR TYPE 350 ATTENUATOR TYPE 35	50								GUA	IKDK	41L S	UMM	ARY								
SURVEY	SURVEY				LENGTH		WARRANT POINT		″N″ DIST.	TOTAL	TOTAL FLARE LENGTH		w		ANCHORS		IMPACT ATTENUATOR SINGLE	REMOVE	REMOVE AND				
LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	Shoul. Width	APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE GREU, TL-3 B-77			TYPE 350 FACED GUARDRA EA G NG	GUARDRAIL GUARDRAIL	GUARDRAIL GUARDRAIL	ACED EXISTING ARDRAIL GUARDRAIL	EXISTING GUARDRAIL	REMARKS
-L-	20+85.62	23+95.02	LT	310.375′				20+85.62	8′	11′		50′		۱′	1 1								
-L-	25+52.06	28+62.43	LT	310.375′			28 + 62.43		8′	11′	50′		'۱		1 1								
-L-	20+44.15	24+05.74	RT	360.375′			20+44.15		8′	11′	50′		1′		1 1								
-L-	25+62.78	29+10.65	RT	347.875′				29+10.65	8′	11′		50′		1′	1 1								
۰.		SUBTOT	TAL (LF)	1329.00′							TOTAL ANCHORS OR												
C M		LESS ANC	HORS (LF)	291.50′								A1	TENUATORS (E	A)	4 4								
>		TOTAL GUA	ARDRAIL (LF)	1037.50′								ANCHO	or unit lengt	ΓΗ (LF)	50' 22.875'								
				1027 50/								DEDU	JCTION PER TY	YPE (LF)	200′ 91.5′								
х П		J SAT GUAR		1037.50			ADDITIC	INAL GUARDRA	AL FU313:	JAT J EA		TOT	AL DEDUCTION	√ (LF)		291.50′							

STATE OF NORTH CAROL DIVISION OF HIGHWAYS

CUT AREAS BACKFILL) (THE ENGINEER) L SHEET 2G–1) IDU TONS (SEE

							PROJECT REFERENCE NO.	SHEET N
JINA							B-44/4	3B-1
'S								
	PAVE	MENT R	REMOVA	L SUN	MMARY	7		
		IN	SQUARE YAR					
LINE		STATION	STAT	ION	LOCATION LT/RT/CL	SY		
-L-		19 + 75	23+	25	LT	107		
-L-		19 + 75	23 +	25	RT	87		
-L-		23+25	24+	·17	CL	285		
L_		25+31	26+	35		337		
-L-		26+35	29+	75		100		
-L-		20+33	27+	75				
	Į				TOTAL:	1030		
					SAY:	1040		
	SH	OULDER SU	R BERM UMMAR	GUI Y	TER			
	SURVEY LINE	STATION	STATION	LOCATION	LENGTH (LF)			
		23+41.00	23+70.88	ІТ	29.88			
	-L-	20+94.45	23+81.60	RT	287.15			
	-L-	25+76.20	25+94.86	LT	18.66			
	-L-	25+86.92	26+41.99	RT	55.07			
				TOTAL:	390.76			

							PROJECT REFERENCE NO.	SHEET N
						Ľ	B-44/4	3B-,
PAVE	CMENT R	REMOVA	L SUA	MMARY	7			
	IN	SQUARE YARI	DS					
	STATION	STATI	ON		SY			
	19+75	23+	25	LT	107			
	19 + 75	23+	25	RT	87			
	23+25	24+	17	CL	285			
	25+31	26+	35	CL	337			
	26+35	29+	75	LT	100			
	26+35	29+	75	RT	114			
				TOTAL:	1030			
				SAY:	1040			
611				TTD				
3П	OULDER	ΥΝΑΝΑΛΟΥ ΓΙΝΑΝΑΛΟΥ	U GUI	IEK				
	<u> </u>			1	1			
SURVEY LINE	STATION	STATION	LOCATION	LENGTH (LF)				
	23+41.00	23+70.88	LT	29.88	-			
	20+94.45	23+81.60	RT	287.15				
-L-	25+76.20	25+94.86	LT	18.66				
-L-	25+86.92	26+41.99	RT	55.07				
			TOTAL:	390.76				
			SAY:	391				