COMPUTED BY: KDA	DATE: 3/4/22
CHECKED BY: SEC	DATE: 3/14/22

SUMMARY OF EARTHWORK

	Uncl.	Embank.	Borrow	Waste
Station to Station	Exc.	+%		
	C.Y.	C.Y.	C.Y.	C.Y.
SUMMARY NO. 1				
-L- 14+00.00 TO 17+50.61 (BB)	5	1,445	1,440	
-L- 19+25.19 (EB) TO 23+00.00	40	2,640	2,600	
SUMMARY NO. 1 TOTALS	45	4,085	4,040	
SUMMARY NO. 2				
-RPA- 10+00.00 TO 11+10.00	6	6	0	
-RPB- 11+75.00 TO 12+54.86	1	49	48	
-RPC- 11+75.00 TO 12+72.69	3	61	58	
-RPD- 10+12.04 TO 11+25.00	2	73	71	
SUMMARY NO. 2 TOTALS	12	189	177	
PROJECT TOTAL	57	4,274	4,217	
5% TO REPLACE TOP SOIL			211	
ON BORROW PIT				
GRAND TOTAL	57	4,274	4,428	
SAY	100		4,500	
ESTIMATED UNDERCUT = 450 CY				
ESTIMATED SELECT GRANULAR MAT	$\mathbf{\Gamma}\mathbf{ERIAL} = 40$	00 CY		
APPROXIMATE QUANTITIES ONLY. U				
CLEARING AND GRUBBING, BREAKIN	IG AND REM	IOVAL OF EXI	STING PAVEN	AENT WII

"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 = GATING IMPACT ATTENUATOR TYPE 350

NG = NON-GATING IMPACT ATTENUATOR TYPE 350

					LENGTH (FT.)	,				TOTAL							ANCHORS		IP. ATTEN.		
LINE	BEG. STA.	END STA.	LOC.	STRAIGHT	SHOP	DOUBLE	APPR.	TRAIL.					APPR. TR		GREU	TYPE	CAT-1	1	FYPE 350	EXISTING	REMARKS
					CURVED	FACED	END	END	E.O.L.	WIDTH	END	END	END E	ND	TL-3	III		EA	G NG	GUARDRAIL	
PC-/-L-	-RPC- 11+45.72 LT	-L- 17+55.19 LT		137.53'	84.00'			17+55.19	5'	8'		50.00'	1	.00'	1	1				200'	BRIDGE WARRANT
-L-	19+29.77	21+04.77	LT	175.00'			19+29.77		5'	8'	50.00'		1.00'		1	1				154'	BRIDGE WARRANT (GR SHORTENED DUE TO RAMP)
PD-/-L-	-RPD- 10+59.31 LT	-L- 17+46.03 RT		125.34'	55.00'		17+46.03		5'	8'						1	1			187'	BRIDGE WARRANT
-L-	19+20.61	20+58.11	RT	137.50'				19+20.61	5'	8'		50.00'	1	.00'	1	1				86'	BRIDGE WARRANT
-Y-			LT																	204'	LEFT SIDE
-Y-			RT																	204'	RIGHT SIDE
		SUB-TOTALS		575.37'	139.00'										3	4	1			1,035	SUB-TOTAL
DED	UCTION FOR ANCH	IOR UNITS																			
		GREU TL-3 @ 50'	3	-150.00'																	
		TYPE III @ 18.75'	4	-75.00'																	
		CAT-1 @ 6.25'	1	-6.25'																	
		PROJ	ECT TOTAL	. 344.12'	139.00'										3	4	1			1,035	PROJECT TOTAL
			SAY	350.00'	140.00'										3	4	1			1,035	
ITIONAI	L GUARDRAIL POST	S = 5 EA																			

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF ASPHALT PAVEMENT BREAKING

Station to Station	LOC LT/RT/CL	Ashalt Breaking SQ. YDS.						
-L- 15+50.00 TO 16+81.43		241 27						
-L- 15+50.00 TO 10+81.45 -L- 20+08.80 TO 21+25.00	CL CL	<u>341.27</u> 257.85						
PROJE	CT TOTAL	599.12						
	SAY	620						
		020						

		PROJECT NO.	SHEET NO.
		BR-0051	3B-1
SUMMAR	Y OF AS	SPHALT	
PAVEME	NT REN	MOVAL	
	LOC	Ashalt Removal	ן
Station to Station	LUU LT/RT/CL	SQ. YDS.	
-L-16+81.43 TO 17+27.93	CL CI	<u> </u>	4
-L- 19+55.30 TO 20+08.80	CL	120.37	
			-
			-
PROJE	ECT TOTAL	242.87	1
		250	4
	SAY	230	-

Note: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

GUARDRAIL SUMMARY