COMPUTED BY: S. R. Sanghani	DATE: 1/28/2021
CHECKED BY: R. J. DeCola	DATE: 1/28/2021

PROJECT NO.	SHEET NO.
B-5619	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	21+60.00	22+06.55	CL	98.67			
-L-	24+06.85	24+53.00	CL	100.07			
-L-	28+10.00	28+54.63	CL	96.49			
-L-	33+04.72	33+50.00	CL	106.31			
		TOTAL:		401.54			
		SAY:		410			

SHOULDER BERM GUTTER SUMMARY

(IN LINEAR FEET)

LINE	Station	Station	LENGTH
-L- LT	21+74.31	21+89.31	15
-L- RT	21+74.31	21+89.31	15
-L- LT	28+20.04	28+35.04	15
-L- RT	28+20.04	28+35.04	15
-L- LT	33+24.96	33+39.96	15
-L- RT	33+24.96	33+39.96	15
		TOTAL:	90
		SAY:	100

SUMMARY OF EARTHWORK

(IN CUBIC YARDS)

STATION	STATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBANK. +%	BORROW	WASTE
SUMMARY NO. 1						
-L- STA. 20+50.00	-L- STA. 22+00.19	52		208	156	
SUMMARY NO. 1 TOTAL		52		208	156	
SUMMARY NO. 2						
-L- STA. 24+12.81	-L- STA. 28+49.21	61		528	467	
-DR1- STA. 11+00.00	-DR1- STA. 11+67.86	19		305	286	
-DR2- STA. 10+18.84	-DR2- STA. 10+95.00	2		636	634	
SUMMARY 2 TOTAL		82		1469	1387	
SUMMARY NO. 3						
-L- STA. 33+10.79	-L- STA. 35+50.00	18		303	285	
SUMMARY 3 TOTAL		18		303	285	
PROJECT TOTALS:		152			1828	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					91	
GRAND TOTALS:		152			1919	
SAY:		**200**			**2100**	
EST. UNDERCUT = 300 CY (CONTINGENCY)						
EST. SELECT GRANULAR MATERIAL = 300 CY (CONTINGENCY)						

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for grading.

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

"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

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS			SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	Type III	B-77	GREU, TL-3				
-L-	21+18.94	22+00.19	LT	81.25				22+00.19	6.42	9.42					1		1				
-L-	21+18.94	22+00.19	RT	81.25			22+00.19		6.42	9.42					1		1				
-L-	24+12.81	27+31.56	LT	318.75			24+12.81		6.42	9.42					1		1				
-L-	24+12.81	27+31.56	RT	318.75				24+12.81	6.42	9.42					1		1				
-L-	27+63.84	28+49.22	LT	85.38				28+49.21	5.5	8.5						1	1				
-L-	27+63.84	28+49.22	RT	85.38			28+49.21		5.5	8.5						1	1				
-L-	33+10.79	35+69.04	LT	258.25			33+10.79	35+69.04	5.5	8.5		100		2.6		2			167.2		
-L-	33+10.79	35+69.04	RT	258.25			35+69.04	33+10.79	5.5	8.5	100		3.1			2			167.7		
			SUBTOTAL	1487.25																	
LESS DEDUCTIONS FOR ANCHOR UNITS		GREU TL-3: 6 @ 50'		-300																	
		TYPE III: 4 @ 18.75'		-75																	
		TYPE B-77: 6 @ 22.875'		-137.25																	
			PROJECT TOTAL	**975.00**															334.9		
			SAY	1000											4	6	6		340		
ADDITIONAL GUARDRAIL POSTS = 5 EA.																					