COMPUTED BY: RSS	DATE: 03-14-2023
CHECKED BY: RKK	DATE: 03-14-2023

PROJECT REFERENCE NO.	SHEET NO.
U-6229	3B-1

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION -L-	STATION -L-	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT +%	BORROW	WASTE
20+50.00	32+50.00	976		206		770
38+00.00	58+50.00	1,424		344		1,080
60+00.00	68+50.00	618		46		572
69+50.00	87+50.00	1,116		73		1,044
89+50.00	99+50.00	920		144		776
100+70.00	100+80.00	5				5
111+85.00	112+10.00	17				17
	SUBTOTAL	**5,076**	**0**	**813**	**0**	**4,264**
	TOTAL	**5,076**	**0**	**813**	**0**	**4,264**
PROJECT TOTAL		**5,076**		**813**		**4,264**
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT						
GRAND TOTAL		**5,076**				
SAY		**5,080**				
SHOULDER BORROW		**220**				

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

REMOVAL OF EXISTING ASPHALT PAVEMENT

LINE	STATION	STATION	LOCATION	SQ YD.
L	24+04.00	28+65.00	MED	414
L	29+15.00	31+33.00	MED	182
L	44+30.00	46+25.00	MED	171
L	71+82.00	73+30.00	MED	92
L	75+68.00	82+65.00	MED	440
			TOTAL	**1,298**
			SAY	**1,300**

"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 (LF)			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS						IMPACT ATTENUATOR TYPE TL-3		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 B 77	TYPE III	GREU TL-2	GREU TL-3	AT-1	CAT-1	G	NG				
-L-	32+86.91	32+94.65	MED			8.00			VAR.	VAR.												1				CONNECT TO EXISTING GUARDRAIL
-L-	38+60.00	39+23.85	MED			64.00			VAR.	VAR.												1				CONNECT TO EXISTING GUARDRAIL
-L-	51+31.00	57+98.00	MED			668.00			6.00	9.00												2				
-L-	73+53.00	75+64.00	MED			212.00			VAR.	VAR.												1				CONNECT TO EXISTING GUARDRAIL
-L-	20+44.00																					1				
-L-	82+92.00																					1				
-L-	20+46.00	27+27.00	MED																					681		
-L-	28+32.00	32+94.65	MED																					463		
-L-	38+60.00	42+45.15	MED																					386		
-L-	43+46.14	58+85.00	MED																					1539		
-L-	65+83.00	68+46.00	MED																					264		
-L-	69+38.00	71+39.00	MED																					201		
-L-	82+92.00	85+96.00	MED																					305		
-L-	89+12.00	97+02.00	MED																					790		
			SUBTOTAL	**0.000**	**0.000**	**952.000**																**7.000**		**4629.000**		
	DEDUCTION FOR ANCHORS																									
	TYPE	QTY	LT/EA																							
		TOTAL DEDUCTION																								
			PROJECT TOTAL	**0.00**	**0.00**	**952.00**																**7.000**		4629		
			SAY			**962.5**																**7**		**4630**		
ADDITIONAL GUARDRAIL POSTS				10	EA																					