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COMPUTED BY: NB	DATE: DECEMBER 3, 2021
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
W-5714E	3B-1

SUMMARY OF EARTHWORK
VOLUME IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L- 11+75.00	-L- 20+70.14	50	4,764	4,714	0
SUBTOTAL:		50	4,764	4,714	0
TOTAL:		50	4,764	4,714	0
PROJECT TOTAL:		50	4,764	4,714	0
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				236	
GRAND TOTAL:		50	4,764	4,950	0
SAY:		60		5,200	

Earthwork quantities are calculated by ms consultants. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Approximate quantities only. Unclassified excavation, fine grading, and clearing and grubbing be paid for at the lump sum price for "Grading".

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L- RT	16+75	19+25	204
TOTAL:			204
SAY:			205

"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

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350			REMOVE EXISTING GUARDRAIL	REMOVE AND RESET EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-2	GREU TL-3	CAT-1	AT-1					EA	G	NG			
-L-	11+80	19+54	RT	362.50	412.50		11+80		4'	7'	25		0.5		1											787		REMOVE AND REPLACE GUARDRAIL
-L-	16+50	17+20	LT	75.00			17+20	16+50	4'	7'	25	25	0.5	0.5	2											90		REMOVE AND REPLACE GUARDRAIL
-L-	18+00	19+20	LT		137.50		19+20	18+00	4'	7'	25	25	0.5	0.5	2											111		REMOVE AND REPLACE GUARDRAIL
-L-	19+54	END EXIST GR	RT	1,100.00				END EXIST GR	EXISTING	EXISTING		50		1		1										1,100		REMOVE AND REPLACE GUARDRAIL; APPROXIMATE LENGTH
SUBTOTAL				1,537.50	550.00										5	1										2,088		
ANCHOR DEDUCTIONS																												
		GREU TL-2	5 @ 25	-75	-50																							
		GREU TL-3	1 @ 50	-50																								
TOTAL				1,412.50	500.00										5	1										2,088		
SAY				1,425.00	525.00										5	1										2,100		
EXTRA GUARDRAIL POSTS = 10 EA																												

12/06/07
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W-5714E Chrysler Curve 36-00
$$$$USERNAME$$$$