

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK.	BORROW	WASTE
13+69 -CUVERT-	16+11 -CUVERT-	3,484				3,484
17+27 -CUVERT-	19+90 -CUVERT-	4,580				4,580
SUBTOTALS:		8,064				8,064
23+12 -L-	27+60 -L-	166		378	296	
28+80 -L-	30+50 -L-	74		24		50
SUBTOTALS:		156		401	296	50
PROJECT TOTALS:		8,220		401	296	8,114
LOSS DUE TO CLEARING & GRUBBING PER GEOTECH RECS		-10				-10
WASTE TO REPLACE BORROW					-296	-296
GRAND TOTALS:		8,210		401		7,808
SAY:		8,300				

REMOVAL OF EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-L-	26+25	29+40	CL	800.06
N. PARKING LOT				380.36
S. PARKING LOT				369.09
TOTAL:				1,549.52
SAY:				1,550

UNDERCUT FOR SUBGRADE STABILITY CONTINGENCY PER GEOTECH RECS: 125 CY

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

W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL. "N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
 G = GATING IMPACT ATTENUATOR TYPE 350. TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
 NG = NON-GATING IMPACT ATTENUATOR TYPE 350. FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS										REMARKS										
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	III	CAT-1	VI MOD	BIC	AT-1	IMPACT ATTENUATOR TYPE 350 TL-2				SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL							
																						EA	G	NG											
-L-	25+85.13	29+41.20	LT	356.25			28+25.00		2.5	7	50	6.25																							
-L-	27+94.72	30+22.37	RT	181.25	81.25			28+60.00	2.5	7	6.25	6.25																							
TOTAL				537.50	81.25																														
DEDUCT FOR ANCHOR UNITS																																			
GRAU 350 1 @ 50' =				-50																															
GRAU AT-1 1 @ 6.25' =				-6.25																															
GRAU CAT-1 2 @ 6.25' =				-12.5																															
SAY				475.00	75.00			4 EA ADDITIONAL GUARDRAIL POSTS																											

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