

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY

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

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		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	GREU TL-2	AT-1	G	NG									
-L-	11+45.53	13+79.71	RT	162.5	62.5				4	7																	
DRV1/L	11+79.51	16+05.45	LT	287.5	131.25				4	7																	
-L-	13+94.79	14+52.63	LT																					78			
			SUBTOTAL	450.00	193.75																						
			DEDUCTIONS FOR GUARDRAIL ANCHORS																								
			GREU TL-2	3 @ 25.00	-75																						
			AT-1	1 @ 6.25	-6.25																						
			TOTAL		-81.25																						
			GRAND TOTAL	368.75	193.75																				78		
			SAY	387.5	200																				78		
			ADDITIONAL GUARDRAIL POSTS	5 EA																							

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	11+75.00	13+42.00	LT /CL	817.9			
-L-	13+64.00	19+25.00	LT & RT	1,672.7			
			TOTAL:	2,490.7			
			SAY:	2,500			

EARTHWORK SUMMARY

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste	
-L- 11+50.00	-L- 19+25.00	432	1,608	1,176		
		SUBTOTALS:	432	1,608	1,176	0
-DRV1- 10+75.00	-DRV1- 11+85.00	36	63	27		
-DRV2- 10+21.09	-DRV2- 11+09.00	23			23	
		SUBTOTALS:	59	63	27	23
		PROJECT TOTALS:	491	1,671	1,203	23
		Loss due to Clearing and Grubbing	-10		10	
		Waste in Lieu on Borrow			-23	-23
		PROJECT TOTALS:	481	1,671	1,190	0
		Est. 5% to Replace Topsoil on Borrow Pit			60	
		GRAND TOTALS:	481		1,250	
		SAY:	530		1,380	

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: 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.