12/06/07

COMPUTED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-5928	3B-1

SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
–L– 12+45	19+75	145	3,424	3,279	
	SUBTOTAL	145	3,424	3,279	
	SUBTOTAL	145	3,424	3,279	
TOTAL		145	3,424	3,279	
MATERIAL FOR SHOULDER CONSTRUCTION			270	270	
LOSS DUE TO CLEARING & GRUBBING					
WASTE IN LIEU OF BORROW					
PROJECT TOTAL		145	3,694	3,549	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				177	
GRAND TOTALS:		145		3,726	
SAY:		150		3,750	

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.

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
L	14+00	15+05	CL	245
L	16+15	16+40	CL	58
			TOTAL:	303
			SAY:	310

"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 SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350			SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	TYPE III	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
L	13+75	17+50	LT	375				16+50				50		1			1												
L	13+75	17+50	RT	375			14+75				50		1				1												
							14+75				50		1				1												
								16+50				50		1			1												
		SUBTOTAL		750													4												
		LESS ANCHOR DEDUCTIONS																											
		GRAU-350 4 @ 50'		–200.00																									
		TOTAL		550.00													4												
		SAY		550			5 ADDITIONAL GUARDRAIL POSTS										4												

2/28/2017
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