COMPUTED BY: JMP	DATE: 11-2015
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PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
U-5719	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	UNDERCUT	EMBANK.	BORROW	WASTE
-L- 16+08.00	-L- 25+40.00	643		893	250	
-Y1- 13+50.00	-Y1- 22+50.00	3,657		508		3,149
SUBTOTALS:		4,300		1,401	250	3,149
SUBTOTALS:						
SUBTOTALS:						
PROJECT TOTALS:		4,300		1,401	250	3,149
LOSS DUE TO CLEARING & GRUBBING (PER GEOTECH REPORT)		-600				-600
WASTE IN LIEU OF BORROW					-250	-250
PROJECT TOTAL		3,700		1,401		2,299
GRAND TOTALS:		3,700		1,401		2,299
SAY:		3,800				

EST. SHOULDER BORROW: 150 CY

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

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	16+08	19+03	LT	375.04
-L-	16+52	17+95	RT	288.45
-Y1-	15+50	22+75	RT	1,388.83
			TOTAL:	2,052.32
			SAY:	2,060

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
"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.

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 TL-2			SINGLE FACED GUARDRAIL	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	GREU TL-3	M-350	III	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	22+93.76	25+00.00	LT	206.25			23+43.40		14	16							1			1										
TOTAL				206.25																									
		DEDUCT FOR ANCHOR UNITS															1			1										
		GREU, TL-3 1 @ 50' =		-50																									
		GRAU CAT-1 1 @ 6.25' =		-6.25																									
SAY				150			2 EA ADDITIONAL GUARDRAIL POSTS										1			1										

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