COMPUTED BY: RLC	DATE: 6/17/14
CHECKED BY: AEV	DATE: 9/17/14

PROJECT NO.	SHEET NO.
B-5325	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Undercut Excav.	Uncl. Excav.	Embank. +%	Borrow	Waste
-L-						
12+50.00	17+20.15	0	455	1,178	723	0
SUBTOTALS:		0	455	1,178	723	0
-L-						
18+52.65	26+50.00	224	99	6,028	5,929	224
SURCHARGES -L-						
18+56.79	19+56.79	0	0	360	360	0
SUBTOTALS:		224	99	6,388	6,289	224
TOTAL		224	554	7,566	7,012	224
ADDITIONAL UNDERCUT		600		720	720	600
SELECT GRANULAR MATERIAL IN LIEU OF BORROW				-480	-480	
SURCHARGE REMOVAL			300			300
PROJECT TOTALS:		824	854	7,806	7,252	1,124
EST. FOR REPL. TOPSOIL ON BORROW PIT					363	
GRAND TOTALS:		824	854		7,615	
SAY:		1,000	900		7,700	
SELECT GRANULAR MATERIAL			1,000			

SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH (LINEAR FEET)
-L- LT	18+63.65	18+70.00	6.35
		TOTAL:	6.35
		SAY:	7.00

Note: Approximate quantities only. Unclassified 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.

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
-L-	15+70.00	17+44.53	RT	410.72
-L-	18+61.60	24+50.00	RT	1,610.74
-L-	24+50.00	25+96.41	RT	12.87
		TOTAL:		2,034.33
		SAY:		2,035

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.

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	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TERM. END SECTION	GRAU 350 TL-3	CAT-1	TYPE III	B-77	M-350	EA	G	NG		
-L-	16+38.90	17+20.15	LT	81.25				17+20.15	7.66	10.5		50		1		1		1							
-L-	16+38.90	17+20.15	RT	81.25			17+20.15		4	7	62.5		1.25			1		1							
-L-	18+52.65	22+52.65	LT	400.00			21+50.00		7.66	10.5	50		1			1		1							
-L-	18+52.65	20+83.90	RT	231.25				19+78.20	4	7		150		3		1		1							
SUBTOTALS:				793.75												4		4							
	LESS ANCHOR DEDUCTIONS:																								
	GRAU-350 TL-3	4 @ 50ft		200.00																					
	TYPE III	4 @ 18.75ft		75.00																					
	ANCHOR TOTALS:			275																					
	GUARDRAIL TOTAL:			518.75																					
	SAY:			550.00																					

ADDITIONAL GUARDRAIL POSTS=5 EA