COMPUTED BY: SEC	DATE: 11/20/14
COMPUTED BY: JT	DATE: 11/20/14

PROJECT NO.	SHEET NO.
B-5150	3B-1

RD261649

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-DET- 11+31	-DET- 18+50	861	4930	4069	
SUBTOTALS:		861	4930	4069	
-L- 12+00	-L- 16+70	163	3020	2857	
SUBTOTALS:		163	3020	2857	
removal -DET- 11+31	-DET- 18+50	4113			4113
SUBTOTALS:		4113			4113
PROJECT TOTALS:		5137	7950	6926	4113
MATERIAL FOR SHLDR CONSTRUCTION			468	468	
LOSS DUE TO CLEARING & GRUBBING		-400		400	
PROJECT TOTALS:		4737	8418	7794	4113
5% TO REPLACE TOPSOIL ON BORROW PIT				390	
GRAND TOTALS:		4737	8418	8184	4113
SAY:		**4800**		**8200**	

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.

EST DDE = **190 CY**

UNDERCUT = **750 CY**

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
L	13+70	14+20	CL	109.41
L	15+20	15+70	CL	110.20
DET	11+31	12+51	CL	95.01
DET	12+51	13+25	CL	179.45
DET	12+40	13+25	LT	39.57
DET	13+25	17+31	CL	1014.28
DET	17+31	18+52	CL	93.37
		TOTAL:		1641.30
		SAY:		1680

"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

GUARDRAIL SUMMARY

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 SHOUL WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	TEMP. STRAIGHT	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	TEMP GRAU 350	G	NG				
-L-	14+22.50	17+10.00	LT	287.50			14+53	15+04	8	11	50	50	1	1			2												
-L-	13+00.00	15+25.00	RT	225.00			13+00	14+95	8	11	50	50	1	1			2												
-DET-	13+25.00	15+75.00	LT			250.00	14+25	15+00	8	10	50	50	1	1									2						
-DET-	14+00.00	16+37.50	RT			237.5	14+00	16+30	8	10	50	50	1	1									2						
		L SUBTOTAL		512.50		487.50											4						4						
LESS ANCHOR DEDUCTIONS:																													
		GRAU 350:	4 @ 50.00'	200.00																									
	TEMP GRAU 350:				4 @ 50.00'	200.00																							
		TOTAL		312.50		287.50																							
		SAY		325.00		300.00				ADDITIONAL GUARDRAIL POSTS = 5 EA																			