

12/06/07

COMPUTED BY: MRL DATE: 2/2/2016
 CHECKED BY: RLC DATE: 2-22-16

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. B-4945
 SHEET NO. 3B-1

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."

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L- 14+00.00	-L- 16+40.38 (BB)	68	228	160	
SUBTOTALS:		68	228	160	
-L- 17+37.63 (EB)	-L- 19+50.00	116	274	158	
SUBTOTALS:		116	274	158	
PROJECT TOTALS:		184	502	318	
5% FOR BORROW PIT TOP SOIL				16	
GRAND TOTALS:		184	502	334	
SAY:		200		350	

200 CY CONTINGENCY UNDERCUT
 200 CY CONTINGENCY GEOTEXTILE
 200 CY CONTINGENCY SELECT GRANULAR MATERIAL

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.

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L- LT	17+48.51	17+70.00	21.49
-L- RT	17+48.51	17+70.00	21.49
TOTAL:			42.98
SAY:			45

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD
-L-	14+25.00	16+47.37	CL	489.78
-L-	17+30.43	19+00.00	CL	353.86
TOTAL:				843.64
SAY:				850

"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

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				REMOVE EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350 TL-2	TYPE - III					
-L-	15+84.13	16+40.38	LT	56.25'				16+40.38	5.42'	9'	37.50'		0.68'			1	1			41.67'	
-L-	15+84.13	16+40.38	RT	56.25'			16+40.38		5.42'	9'		37.50'		0.68'		1	1			42.38'	
-L-	17+37.63	17+93.88	LT	56.25'			17+37.63		5.42'	9'	37.50'		0.68'			1	1			38.28'	
-L-	17+37.63	17+93.88	RT	56.25'			17+37.63		5.42'	9'	37.50'		0.68'			1	1			40.37'	
TOTAL				225.00'					5.42'	9'	37.50'		0.68'			4	4			162.70'	
ANCHOR DEDUCTIONS 4 GRAU-350 TL-2 @ 25'				-100'																	
4 TYPE III @ 18.75'				-75'																	
TOTAL				50.00'																	
SAY				75'			ADDITIONAL GUARDRAIL POSTS = 5								4	4					

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