

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

ALIGNMENT	STATION	STATION	EXCAVATION		EMBANKMENT	BORROW	TOTAL WASTE
			TOTAL UNCLASS.	UNDERCUT			
-L-	11+04.26	23+70.00	15,877		9,994		5,884
-Y2-	10+16.28	10+83.50			122	122	
-Y2-	11+16.50	15+30.00	2,412		186		2,226
-Y3-	11+00.00	12+89.77	997		5		992
		SUBTOTAL	19,286		10,306	121	9,102
-L-	23+70.00	25+34.40	145		55		90
-SIDEPATH-	25+44.51	26+65.00	4		93	89	
-Y4-	9+28.00	13+20.35	54		635	581	
		SUBTOTAL	203		783	669	90
-Y3_DET-	10+24.72	12+72.16	1,227		7		1,220
-Y3_DET-	13+01.00	13+47.10	210				210
		SUBTOTAL	1,437		6		1,430
TOTAL			20,926		11,095	790	10,622
LOSS DUE TO CLEARING & GRUBBING			-1,300				-1,300
BACKFILL -Y3_DET-					1,653	1,653	
WASTE IN LIEU OF BORROW						-2,443	-2,443
PROJECT TOTAL			19,626		12,748		6,879
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT							
GRAND TOTAL			19,626		12,748		6,879
SAY			19,700				

NOTES: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.
QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL USE METHODS INCLUDING BUT NOT LIMITED TO RE-CROSS-SECTIONING, TRUCK MEASUREMENTS, AND AERIAL SURVEYS TO COMPUTE FINAL QUANTITIES WHICH THE CONTRACTOR WILL BE PAID.

TOTAL EST DDE = 430 CY
TOTAL EST SHALLOW UNDERCUT = 100 CY
CLASS IV SUBGRADE STABILIZATION = 200 TN
GEOTEXTILE FOR SOIL STABILIZATION = 400 SY
GEOTEXTILE FOR SUBGRADE STABILIZATION = 200 SY
SELECT GRANULAR MATERIAL FOR EMBANKMENT/BACKFILL = 400 CY
PER GEOTECH RECOMMENDATION, ESTIMATED 750 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

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