

SUMMARY OF EARTHWORK

Volumes in Cubic Yards

STATION	STATION	UNCLASS. EXCAVATION	UNDERCUT	EMBANK. +%	BORROW	WASTE
L 72+00.00	73+04.01	1,771		1,044		727
LPB 10+00.00	22+00.00	58,022		17		58,005
RPB 10+00.00	31+00.00	99,286	1,640	2,935		97,991
Y2 19+93.85 LT	50+00.00 LT	9,015		2,860		6,155
Y2 50+00.00 LT	54+50.00 LT	1,113		151		962
	SUBTOTAL	169,207	1,640	7,007		163,840
L 30+36.81	70+00.00	68,729	2,880	182,850	127,024	15,783
RPC 10+00.00	24+50.00	586		45,883	45,356	59
RPD 10+00.00	24+00.00	4,725	2,090	67,318	63,066	2,563
Y1 10+31.26 LT	35+50.00 LT	2,738		2,475	11	274
Y2 23+30.17 RT	50+00.00 RT	509		1,731	1,273	51
Y2 50+00.00 RT	65+50.00 RT	425		495	112	42
	SUBTOTAL	77,712	4,970	300,752	236,842	18,772
L 12+24.00 LT	20+00.00 LT	1,941		31,929	30,182	194
L 12+24.00 RT	20+00.00 RT	24		11,416	11,394	2
L 20+00.00	30+00.00	54		7,688	7,639	5
Y1 10+31.26 RT	35+50.00 RT	801		3,196	2,475	80
Y3 10+10.00	11+00.00	2		188	187	1
Y4 10+12.00	15+50.00	25		7,098	7,075	2
Y4 20+50.00	22+50.00	126		339	226	13
DRW 1 10+12.00	11+00.00	7		463	457	1
	SUBTOTAL	2,980		62,317	59,635	298
TOTAL		249,899	6,610	370,076	296,477	182,910
MATERIAL FOR SHOULDER CONSTRUCTION				10,350	10,350	
LOSS DUE TO CLEARING & GRUBBING		-32,500			32,500	
ADDITIONAL UNDERCUT (CONTINGENCY)			2,000			2,000
WASTE IN LIEU OF BORROW					-145,278	-145,278
PROJECT TOTAL		217,399	8,610	380,426	194,049	39,632
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					9,702	
GRAND TOTAL		217,399	8,610	380,426	203,751	39,632
SAY		228,500	9,000		214,000	

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL USE METHODS INCLUDING BUT NOT LIMITED TO RECROSS-SECTIONING, TRUCK MEASUREMENTS, AND AERIAL SURVEYS TO COMPUTE FINAL QUANTITIES WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEER.

NOTE: EMBANKMENT QUANTITIES DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

EST. DDE = **18,950 CY**

EST. **10%** OF THE UNCLASSIFIED EXCAVATION AS ADDITIONAL UNSUITABLE WASTE PER GEOTECH RECOMMENDATION

EST. **8,220 CY** OF SELECT GRANULAR MATERIAL TO REPLACE UNDERCUT PER GEOTECH RECOMMENDATION

UNCLASSIFIED EXCAVATION NOT SUITABLE FOR THE TOP 3 FT OF EMBANKMENT OR BACKFILL PER GEOTECH RECOMMENDATION:

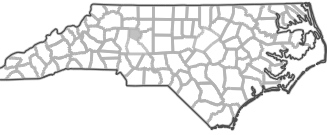
-Y1- 10+31.26 to 15+25.00 (530 CY), -Y1- 16+25.00 to 23+25.00 (1,320 CY), -Y2- 19+93.85 to 25+25.00 (1,720 CY), -Y2- 45+25.00 to 50+75.00 (7,010 CY), -Y2- 61+75.00 to 62+25.00 (20 CY)

EST. **40%** OF THE UNCLASSIFIED EXCAVATION AS CONTINGENCY NOT SUITABLE FOR THE TOP 3 FT OF EMBANKMENT OR BACKFILL PER GEOTECH RECOMMENDATION

U-6187


FINAL3B-1

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DAVIE COUNTY



ROADWAY DESIGN UNIT

PREPARED BY

**vhb**

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