

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**SUMMARY OF EARTHWORK  
 IN CUBIC YARDS**

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBANKMENT +%	BORROW	TOTAL WASTE
SUBTOTAL (PHASES 1 TO 4)	13304	9473	76147	67060	13634
TOTAL	13304	9473	76147	67060	13634
MATERIAL FOR SHOULDER CONSTRUCTION	0	0	420	420	0
LOSS DUE TO CLEARING & GRUBBING	-1200	0	0	1200	0
UNCLASSIFIED EXCAVATION - UNSUITABLE WASTE	2100	0	2520	2520	2100
ADDITIONAL UNDERCUT	0	2750	3300	3300	2750
ROCK WASTE TO REPLACE BORROW	0	0	0	0	0
ADJUST FOR ROCK WASTE	0	0	0	0	0
WASTE IN LIEU OF BORROW	0	0	0	-3938	-3938
PROJECT TOTAL	14204	12223	82387	70562	14546
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT	0	0	0	3528	0
GRAND TOTAL	14204	12223	82387	74090	14546
SAY	15000	13000		75000	
* UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL (9,130 CY):					
-L- 26+50.00 TO -L- 30+35.00 (210 CY)					
-L- 39+25.00 TO -L- 43+75.00 (310 CY)					
-L- 47+25.00 TO -L- 52+75.00 (1840 CY)					
-L- 55+25.00 TO -L- 72+25.00 (3380 CY)					
-L- 76+25.00 TO -L- 82+85.00 (270 CY)					
-L- 94+25.00 TO -L- 94+55.00 (40 CY)					
-L1- 14+50.00 TO -L1- 18+50.00 (310 CY)					
-RABA- 10+15.00 TO -RABA- 11+35.00 (90 CY)					
-RABC- 10+60.00 TO -RABC- 12+41.61 (860 CY)					
-RABD- 10+00.00 TO -RABD- 12+10.00 (820 CY)					
CONTINGENCY, AS DIRECTED BY THE ENGINEER (1000 CY)					
EST SELECT GRANULAR MATERIAL	500 CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)			
EST SELECT GRANULAR MATERIAL, CLASS III	200 CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)			
EST SHALLOW UNDERCUT EXCAVATION	200 CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)			
EST SHALLOW UNDERCUT EXCAVATION BY STATION	1450 CY				

EST GEOTEXTILE FOR SOIL STABILIZATION	400 SY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
EST GEOTEXTILE FOR SOIL STABILIZATION	300 SY	(TOTAL FROM EROSION CONTROL PLANS)
EST GEOTEXTILE FOR SUBGRADE STABILIZATION	9400 SY	
EST STABILIZER AGGREGATE	75 TONS	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
EST CLASS IV SUBGRADE STABILIZATION	5250 TONS	

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.  
 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."

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