

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA **SUMMARY OF EARTHWORK** IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
SUMMARY NO. 1					
-Y3- 13+25.00 TO 26+50.00	397		4,801	4,404	
-Y4- 10+10.00 TO 12+42.12	59		326	267	
-L- 392+50.00 TO 403+00.00	2,422		434,890	432,468	
-L- 403+00.00 TO 410+06.22 (INCLUDES PORTION OF -Y1RPB-, -Y1RPC-, & -Y1LPB-)	138,041		280		137,761
-Y1RPB- 19+00.00 TO 32+00.00	61,361		117,251	55,890	
-Y1RPC- 18+35.00 TO 31+11.75	5,112		138,502	133,390	
-Y1LPB- 13+50.00 TO 18+00.00	20,095		46		20,049
-Y1- 10+75.00 TO 28+13.39	3,334		12,398	9,064	
-Y1- 30+34.05 TO 48+50.00 (INCLUDES -Y1DET- REMOVAL)	26,661		32,983	6,322	
-DR2- 10+16.50 TO 12+10.00 (INCLUDES -DR3-)	25		1,030	1,005	
-Y1DET- 15+93.03 TO 33+46.92	6,019		12,352	6,333	
SUBTOTAL	263,526		754,859	649,143	157,810
SUMMARY NO. 2					
-L- 410+06.22 TO 440+00.00 (INCLUDES PORTION OF -Y1RPD- & -SRSA-)	290,804		209,861		80,943
-L- 440+00.00 TO 447+50.00 (INCLUDES PORTION OF -SRSA- & -Y2DET-)	45,157		42,133		3,024
-Y1RPD- 18+60.00 TO 31+50.00	24,095		136,015	111,920	
-Y2- 10+00.00 TO 20+18.52	2,491		926		1,565
-Y2- 22+40.27 TO 26+50.00 (INCLUDES -Y2DET- REMOVAL)	575		1,152	577	
-SRSA- 10+00.00 TO 12+00.00	493		13		480
-SRSA- 29+50.00 TO 31+00.00	438		20		418
-Y2DET- 15+00.00 TO 20+00.00	577		883	306	
-Y2DET- 23+00.00 TO 28+03.31	1,104		12		1,092
SUBTOTAL	365,734		391,015	112,803	87,522

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
SUMMARY NO. 3					
-L- 447+50.00 TO 472+42.45	691,856		17,192		674,664
SUBTOTAL	691,856		17,192		674,664
SUMMARY NO. 4					
-L- 474+97.45 TO 478+00.00	159		43,205	43,046	
SUBTOTAL	159		43,205	43,046	
TOTAL	1,321,275		1,206,271	804,992	919,996
LOSS DUE TO CLEARING & GRUBBING	-30,000				-30,000
WASTE IN LIEU OF BORROW				-804,992	-804,992
PROJECT TOTAL	1,291,275		1,206,271		85,004
GRAND TOTAL	1,291,275		1,206,271		85,004
SAY	1,350,000				
PAVEMENT STRUCTURE VOLUME	47,500				
EARTHWORK TOTALS FOR ALTERNATE PAVEMENT DESIGN					
ADJUSTMENT FOR ALTERNATE PAVEMENT DESIGN	-13,000		10,200	23,200	
LOSS DUE TO CLEARING & GRUBBING	-30,000				-30,000
WASTE IN LIEU OF BORROW				-828,192	-828,192
PROJECT TOTAL	1,278,275		1,216,471		61,804
GRAND TOTAL	1,278,275		1,216,471		61,804
SAY	1,350,000				
PAVEMENT STRUCTURE VOLUME	35,000				

QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RE-CROSS-SECTION THE WORK ACCURATELY WHEN THE PROJECT IS STAKED OUT. THESE CROSS-SECTION NOTES WILL BE USED IN COMPUTING THE FINAL QUANTITIES FOR WHICH THE CONTRACTOR WILL BE PAID.

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. UNDERCUT = 10,000 CY CONTINGENCY PER GEOTECH RECOMMENDATIONS DATED SEPTEMBER 22, 2015.
 EST. SELECT GRANULAR MATERIAL = 35,900 CY CONTINGENCY PER GEOTECH RECOMMENDATIONS DATED SEPTEMBER 22, 2015.
 EST. SHALLOW UNDERCUT = 5,000 CY CONTINGENCY PER GEOTECH RECOMMENDATIONS DATED SEPTEMBER 22, 2015.
 EST. DDE = 7,500 CY
 EST. PAVEMENT STRUCTURE VOLUME = 47,500 CY
 EST. SHOULDER BORROW = 18,000 CY
 EST. PAVEMENT STRUCTURE VOLUME FOR ALTERNATIVE PAVEMENT DESIGN = 35,000 CY
 EST. SHOULDER BORROW FOR ALTERNATIVE PAVEMENT DESIGN = 14,500 CY