

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

LOCATION		UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT + %	BORROW	TOTAL WASTE
STATION	STATION					
SUMMARY NO. 1						
-L- 300+00.00	-L- 319+86.34 (BB)			208,893	208,893	
-Y3- 14+50.00	-Y3- 38+00.00	982	900	1,561	579	900
-Y3B- 10+13.55	-Y3B- 16+25.00	1,619	2,500	3,273	1,654	2,500
-DRV2- 14+25.29	-DRV2- 16+00.00	337	500	628	291	500
TOTAL SUMMARY NO. 1		2,938	3,900	214,355	211,417	3,900
SUMMARY NO. 2						
-L- 321+07.34 (EB)	-L- 350+00.00	553	9,200	230,985	230,432	9,200
-Y3A- 13+75.00	-Y3A- 15+00.00	119	600	773	654	600
-Y3LPA- 11+98.42	-Y3LPA- 15+98.94			32,041	32,041	
-Y3RPA- 14+26.44	-Y3RPA- 30+00.02	3	2,500	32,543	32,540	2,500
-Y3LPD- 11+94.78	-Y3LPD- 15+74.22	18	300	12,474	12,456	300
-Y3RPD- 14+53.73	-Y3RPD- 26+57.83	4,770	8,100	27,154	26,570	12,286
TOTAL SUMMARY NO. 2		5,463	20,700	335,970	334,693	24,886
SUMMARY NO. 3						
-L- 350+00.00	-L- 362+86.71 (BB)	2,003		117,920	115,917	
-Y4- 26+97.21	-Y4-28+89.97	12				12
TOTAL SUMMARY NO. 3		2,015		117,920	115,917	12
SUMMARY NO. 4						
-L- 363+78.21 (EB)	-L- 370+65.00 (BB)			146,020	146,020	
-DRV3- 10+08.39	-DRV3- 24+75.00	9,359		1,381		7,978
-DRV4- 10+19.86	-DRV4- 13+22.25	44		186	142	
TOTAL SUMMARY NO. 4		9,403		147,587	146,162	7,978
SUMMARY NO. 5						
-L- STA. 375+40.00 (EB)	-L- STA. 383+30.00 (BB)			85,874	85,874	
TOTAL SUMMARY NO. 5				85,874	85,874	
SUMMARY NO. 6						
-L- 395+65.00 (EB)	-L- 428+01.03 (BB)	3,254	5,000	256,135	252,881	5,000
-Y5- 12+13.89	-Y5- 13+91.71	14				14
TOTAL SUMMARY NO. 6		3,268	5,000	256,135	252,881	5,014
SUMMARY NO. 7						
-L- STA. 428+96.70 (EB)	-L- STA. 450+00.00	24	2,800	286,035	286,011	2,800
TOTAL SUMMARY NO. 7		24	2,800	286,035	286,011	2,800
SUMMARY NO. 8						
-L- STA. 450+00.00	-L- STA. 480+00.00		2,000	128,543	128,543	2,000
TOTAL SUMMARY NO. 8			2,000	128,543	128,543	2,000
SHEET TOTALS						
		23,111	34,400	1,572,419	1,561,498	49,040

LOCATION		UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT + %	BORROW	TOTAL WASTE
STATION	STATION					
SUMMARY NO. 9						
-L- STA. 480+00.00	-L- STA. 510+00.00		600	101,686	101,686	600
TOTAL SUMMARY NO. 9			600	101,686	101,686	600
SUMMARY NO. 10						
-L- STA. 510+00.00	-L- STA. 526+05.06 (BB)			134,175		134,175
-Y6- STA. 13+89.66	-Y6- STA. 18+28.01	64		1		63
TOTAL SUMMARY NO. 10		64		134,176		134,175
SUMMARY NO. 11						
-L- STA. 528+30.56 (EB)	-L- STA. 560+73.18 (BB)		300	298,616	298,616	300
TOTAL SUMMARY NO. 11			300	298,616	298,616	300
SUMMARY NO. 12						
-L- STA. 561+60.04 (EB)	-L- STA. 591+00.00		800	228,571	228,571	800
-Y8A- STA. 10+09.81	-Y8A- STA. 58+31.93	1,214	2,500	29,861	28,814	2,667
TOTAL SUMMARY NO. 12		1,214	3,300	258,432	257,385	3,467
SUMMARY NO. 13						
-L- 591+00.00	-L- 623+92.45 (BB)			10,431		111,978
-Y8- 31+25.00	-Y8- 32+50	138	400	550	453	441
-Y10- 15+76.00	-Y10- 27+41.37 (BB)	791				115,499
-Y10- 29+23.76 (EB)	-Y10- 30+00.00			23,720		23,720
-Y10RPA- 20+43.00 (EB)	-Y10RPA- 38+02.02			171,514		171,514
-Y10LPA- 12+26.18	-Y10LPA- 15+24.57			12,009		12,009
-Y10RPC- 13+01.08	-Y10RPC- 21+25.99	1,202	100	17,883	16,681	100
-Y10RPD- 13+43.68	-Y10RPD- 21+00.26			10,653		566
TOTAL SUMMARY NO. 13			23,215	500	453,719	440,632
SUMMARY NO. 14						
-L- 626+41.79 (EB)	-L- 636+95.00		467			4,020
-Y10RPA- 15+50.44	-Y10RPA- 18+43.00 (BB)			2,913		2,913
TOTAL SUMMARY NO. 14			467	6,933		6,466
SHEET TOTALS						
		24,960	4,700	1,254,312	1,239,710	15,105
SUMMARY TOTALS						
		48,071	39,100	2,825,981	2,800,458	61,649
MATERIAL FOR SHOULDER CONSTRUCTION				64,125	64,125	
UNDERCUT CONTINGENCY			8,000	10,000	10,000	8,000
GRADE POINT UNDERCUT			2,000	2,500	2,500	2,000
SELECT GRANULAR MAT'L USED TO BACKFILL UNDERCUT				-61,375	-61,375	
CLASS IV AGGREGATE STABILIZATION IN LIEU OF BORROW				-29,438	-29,438	
WASTE IN LIEU OF BORROW					-18,155	-18,155
PROJECT TOTALS		48,071	49,100	2,811,793	2,768,116	53,494
+5% TO REPLACE TOPSOIL IN BORROW PIT					138,406	
GRAND TOTALS						
		48,071	49,100		2,906,522	
SAY		49,000	49,100		2,925,000	

APPROXIMATE DDE = 21,000 CY  
 SHALLOW UNDERCUT = 1,000 CY  
 SELECT GRANULAR MATERIAL = 95,765 CY  
 GEOTEXTILE FOR SOIL STABILIZATION = 85,850 SY  
 CLASS IV SUBGRADE STABILIZATION = 1,900 TONS  
 CLASS IV AGGREGATE STABILIZATION = 56,300 TONS  
 -L-, -Y10RPD- & -DRV3- PAVEMENT STRUCTURE VOLUME = 163,116 CY

**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.

6/4/09  
 7/30/2015  
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