

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

**SUMMARY OF EARTHWORK
 (In Cubic Yards)**

Station	Station	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBT +%	BORROW	WASTE
SUMMARY NO. 1						
-L- STA. 20+00.00 LT	-L- STA. 31+50.00 LT	2,551		17		2,534
-L- STA. 21+50.00 MED	-L- STA. 31+50.00 MED	1,040		623		417
-L- STA. 21+50.00 RT	-L- STA. 31+50.00 RT	1,814		446		1,368
SUMMARY NO. 1 TOTALS		5,405	0	1,086	0	4,319
SUMMARY NO. 2						
-L- STA. 31+50.00 LT	-L- STA. 61+50.00 LT	24,257	1,603	35,986	11,729	1,603
-Y- STA. 21+00.00	-Y- STA. 40+60.76	5,593	3,054	69,336	65,336	4,647
-RPB- STA. 29+48.50	-RPB- STA. 42+79.14	56,595	8,824	119,933	66,131	11,617
-SPB- STA. 41+40.00	-SPB- STA. 43+83.00			11,130	11,130	
-Y1- STA. 10+27.02	-Y1- STA. 34+50.00	7,108		22,219	15,111	
-DR2A- STA. 11+90.00	-DR2A- STA. 17+20.21	1,859		2,886	1,027	
-DR2B- STA. 10+65.00	-DR2B- STA. 14+02.98	406		112		
-Y4- STA. 10+27.02	-Y4- STA. 14+65.00	124		1,108	984	
-DR1- STA. 10+15.00	-DR1- STA. 13+27.18	1,550	577			2,127
SUMMARY NO. 2 TOTALS		97,492	14,058	262,710	171,448	19,994
SUMMARY NO. 3						
-L- STA. 31+50.00 RT	-L- STA. 61+50.00 RT	3,912		10,484	7,241	669
-Y- STA. 42+18.26	-Y- STA. 58+80.00	20,628	3,139	182,582	162,802	3,987
-RPC- STA. 15+29.00	-RPC- STA. 25+32.29	6,350	7,804	154,411	148,061	7,804
-SPC- STA. 24+34.00	-SPC- STA. 26+83.00		6,010	48,367	48,367	6,010
-Y2- STA. 10+50.00	-Y2- STA. 20+28.26	48,331		164		48,167
-Y5- STA. 10+27.00	-Y5- STA. 12+10.00	317		58		259
SUMMARY NO. 3 TOTALS		79,538	16,953	396,066	366,471	66,896
SUMMARY NO. 4						
-L- STA. 61+50.00 LT	-L- STA. 90+25.00 LT	6,180		14,556	8,376	
-RPA- STA. 17+00.00	-RPA- STA. 27+72.73	19,399		4,139		15,260
-SPA- STA. 26+50.00	-SPA- STA. 28+39.00	2,495	230	1,126		1,599
SUMMARY NO. 4 TOTALS		28,074	230	19,821	8,376	16,859
SUMMARY NO. 5						
-L- STA. 61+50.00 RT	-L- STA. 90+25.00 RT	13,378		2,864		10,514
-RPD- STA. 14+99.00	-RPD- STA. 26+12.52	7,469		88,024	83,155	2,600
-SPD- STA. 24+55.00	-SPD- STA. 26+12.00	125	2,739	33,734	33,734	2,864
SUMMARY NO. 5 TOTALS		20,972	2,739	124,622	116,889	15,978
SUMMARY NO. 5						
-L- STA. 31+50.00 MED	-L- STA. 61+50.00 MED	1,332		1,601	269	
-L- STA. 61+50.00 MED	-L- STA. 90+25.00 MED	2,054		749		1,305
SUMMARY NO. 5 TOTALS		3,386	0	2,350	269	1,305
SUMMARY TOTALS		234,867	33,980	806,655	663,453	125,351
MATERIAL FOR SHOULDER CONSTRUCTION				14,400	14,400	
LOSS DUE TO CLEARING & GRUBBING				-13,000	13,000	
ADDITIONAL UNDERCUT					5,600	5,600
EARTH WASTE TO REPLACE BORROW					-56,474	-56,474
PROJECT TOTALS		221,867	39,580	827,775	641,099	74,477
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					32,055	
GRAND TOTALS:		221,867	39,580		673,154	
SAY:		225,000	40,000		680,000	

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: Unclassified Excavation - Acceptable, but not to be used in top 3' of Embankment or Backfill per the Geotechnical Engineering Unit:
 -RPA- Sta. 14+75 to 16+25 LT & RT = 650 CY
 -SPA- Sta. 26+25 to 27+75 LT & RT = 625 CY
 -RPB- Sta. 26+75 to 29+75 LT & RT = 4,500 CY
 -RPB- Sta. 32+75 to 35+25 LT & RT = 7,075 CY
 -RPC- Sta. 14+75 to 17+25 LT & RT = 3,650 CY
 -Y- Sta. 21+25 to 24+75 LT = 400 CY
 -Y- Sta. 30+75 to 33+25 LT & RT = 2,450 CY
 -Y- Sta. 35+25 to 36+75 LT = 125 CY
 -Y- Sta. 49+25 to 53+25 LT & RT = 5,775 CY
 -Y1- Sta. 10+00 to 11+75 LT & RT = 1,275 CY
 -Y1- Sta. 29+25 to 32+75 LT & RT = 575 CY
 Total = 27,100 CY

Pavement Structure Volume = 50,000 CY
 Drainage Ditch Excavation = 13,000 CY