

**STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS**

**SUMMARY OF EARTHWORK (IN CUBIC YARDS)**

Station	Station	Uncl. Excav.	Undercut	Embank. +25%	Borrow	Waste
<b>PHASE IIA -Y-</b>						
-Y2- 12+15	-Y2- 17+50	295		1,551	1,436	180
-Y2- 34+00	-Y2- 39+00	85		3,606	3,521	
-Y2- 22+00 -DR3-	-Y2- 28+00 -DR3-	147	100	6,448	6,301	100
-Y1A- 42+03.64	-Y1A- 56+35	611		88,596	88,364	379
-Y1ARPC- 18+50	-Y1ARPC- 23+00	1,307		23,409	22,102	
-Y1ARPC- 26+00	-Y1ARPC- 26+50			4,373	4,373	
-Y1ARPD- 21+50	-Y1ARPD- 26+00			38,498	38,498	
-SR2- 17+60	-SR2- 22+00	118		616	498	
-Y1ADET- 13+27.00	-Y1ADET- 21+12.72	244		11,666	11,422	
-SR2DET- 12+08.72	-SR2DET- 15+50.00			20,208	20,208	
-DR2- 10+35.00	-DR2- 11+73.45	5		854	849	
-DR4- 10+12.00	-DR4- 12+55.00	81		459	378	
-DR7- 10+15.75	-DR7- 10+95.00	10		528	518	
-DR8- 10+14.18	-DR8- 10+80.00	10		170	160	
<b>SUBTOTALS:</b>		<b>2,913</b>	<b>100</b>	<b>200,980</b>	<b>198,626</b>	<b>659</b>
<b>DETOUR REMOVAL</b>						
-Y1ADET- 13+27.00	-Y1ADET- 21+12.72	11,666				11,666
-SR2DET- 12+08.72	-SR2DET- 15+50.00	20,208				20,208
<b>SUBTOTALS:</b>		<b>31,874</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,874</b>
<b>PHASE IIB -Y-</b>						
-Y1A- 17+65	-Y1A- 24+00	651		1,165	514	
-Y1ARPC- 23+00	-Y1ARPC- 26+00	66		21,720	21,654	
-SR2- 30+50	-SR2- 39+00	145		25,395	25,250	
-DR5- 10+20.00	-DR5- 10+96.25	8		35	27	
-DR6- 10+15.00	-DR6- 11+02.37	26		35	9	
<b>SUBTOTALS:</b>		<b>896</b>	<b>0</b>	<b>48,350</b>	<b>47,454</b>	<b>0</b>
<b>PHASE III -L-</b>						
-L- 115+00 LT	-L- 120+00 LT	646		2,500	1,854	
-L- 120+00 LT	-L- 150+00 LT	4,058		5,869	2,138	327
-L- 150+00 LT	-L- 180+00 LT	5,467		1,849		3,618
-L- 180+00 LT	-L- 210+00 LT	5,244		7,939	4,727	2,032
-L- 210+00 LT	-L- 240+00 LT	4,521		4,123		399
-L- 240+00 LT	-L- 259+50 LT	3,668		4,459	791	
-L- 259+50 LT	-L- 297+00 LT	11,361		43,986	32,625	
-L- 300+00 LT	-L- 340+00 LT	5,941	1,284	21,358	15,589	1,456
-L- 115+00 RT	-L- 120+00 RT	585		2,576	1,991	
-L- 120+00 RT	-L- 150+00 RT	3,561		5,578	2,638	621
-L- 150+00 RT	-L- 180+00 RT	7,545		1,699		5,846
-L- 180+00 RT	-L- 210+00 RT	5,146		12,736	8,769	1,179
-L- 210+00 RT	-L- 240+00 RT	4,722		3,514		1,208
-L- 240+00 RT	-L- 259+50 RT	3,307		598		2,709
-L- 259+50 RT	-L- 265+50 RT	254		949	695	
-L- 340+00 LT	-L- 370+00 LT	3,510	523	23,648	20,559	944
-L- 370+00 LT	-L- 400+00 LT	5,878		16,095	12,595	2,378
-L- 400+00 LT	-L- 430+00 LT	7,844		15,088	12,499	5,255
-L- 430+00 LT	-L- 460+00 LT	5,259		8,558	3,751	452
-L- 460+00 LT	-L- 469+00 LT	674		1,284	1,014	404
<b>SUBTOTALS:</b>		<b>89,191</b>	<b>1,807</b>	<b>184,402</b>	<b>122,233</b>	<b>28,828</b>

Station	Station	Uncl. Excav.	Undercut	Embank. +25%	Borrow	Waste
<b>PHASE III -Y-</b>						
-Y1ARPADET- 10+00.00	-Y1ARPADET- 21+49.65	3,109		1,225		1,884
<b>SUBTOTALS:</b>		<b>3,109</b>	<b>0</b>	<b>1,225</b>	<b>0</b>	<b>1,884</b>
<b>PHASE IV -L-</b>						
-L- 469+00 LT	-L- 483+80 LT	1,082		3,691	2,609	
<b>SUBTOTALS:</b>		<b>1,082</b>	<b>0</b>	<b>3,691</b>	<b>2,609</b>	<b>0</b>
<b>SHEET 3B-2 TOTALS:</b>		<b>129,065</b>	<b>1,907</b>	<b>438,648</b>	<b>370,922</b>	<b>63,245</b>
<b>SHEET 3B-1 TOTALS:</b>		<b>95,566</b>	<b>6,129</b>	<b>830,309</b>	<b>762,129</b>	<b>33,514</b>
<b>TOTAL:</b>		<b>224,631</b>	<b>8,036</b>	<b>1,268,957</b>	<b>1,133,051</b>	<b>96,759</b>
Material For Shoulder Construction						
Loss Due to Clearing & Grubbing		-26,500				26,500
Additional Undercut			3,000	3,750	3,750	3,750
Waste in Lieu of Borrow						
<b>PROJECT TOTALS:</b>		<b>198,131</b>	<b>11,036</b>	<b>1,302,154</b>	<b>1,139,830</b>	<b>47,590</b>
Est. 5% To Replace Top Soil on Borrow Pit					56,991	
<b>GRAND TOTALS:</b>						
<b>SAY:</b>		<b>198,200</b>	<b>11,100</b>	<b>1,302,154</b>	<b>1,196,821</b>	<b>47,590</b>

\*UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL -L- 67+75 TO 68+25 (15 CY), -L- 68+75 TO 69+25 (10 CY), -L- 70+25 TO 71+25 (75 CY), -L- 72+25 TO 74+25 (110 CY), -L- 74+75 TO 81+25 (300 CY), -L- 81+75 TO 82+25 (70 CY), -L- 83+25 TO 84+75 (31 CY), -L- 86+25 TO 87+25 (12 CY), -L- 94+75 TO 96+75 (320 CY), -L- 101+75 TO 110+25 (100 CY), -L- 156+75 TO 158+25 (70 CY), -L- 169+25 TO 185+75 (3,800 CY), -L- 200+75 TO 204+25 (730 CY), -L- 213+75 TO 216+25 (285 CY), -L- 265+25 TO 270+25 (530 CY), 284+75 TO 285+75 (8 CY), -L- 353+25 TO 357+75 (1,470 CY), -L- 358+25 TO 361+75 (195 CY), -L- 364+25 TO 365+25 (470 CY), -L- 366+75 TO 368+75 (120 CY), -L- 373+25 TO 385+25 (4,160 CY), -L- 411+75 TO 413+75 (245 CY), -L- 416+75 TO 421+25 (3,555 CY), -L- 431+25 TO 436+75 (3,140 CY), -L- 441+25 TO 443+25 (480 CY), -L- 446+25 TO 454+75 (1,130 CY), -L- 486+75 TO 495+00 (1,625 CY), -Y1RPA- 10+00 TO 18+82 (485 CY), -Y1RPB- 10+00 TO 11+53 (8 CY), -Y1RPC- 10+00 TO 11+31 (30 CY), -Y1RPC- 12+81 TO 13+81 (55 CY), -Y1RPD- 10+00 TO 15+17 (425 CY), -Y1ARPC- 10+00 TO 10+33 (5 CY), -Y2- 36+25 TO 38+75 (100 CY), -Y3- 16+25 TO 22+25 (1,305 CY), -SR2- 38+75 TO 43+25 (515 CY), -SR6- 34+42 TO 35+42 (3 CY), -SR6- 35+92 TO 37+42 (7 CY), -SR6- 46+92 TO 48+42 (6 CY)

Est. DDE = 5,980 CY

Note: THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

PAVEMENT STRUCTURE VOLUME = 292,750 CY