

### STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

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

Station	Station	Uncl. Excav.	Undercut	Embank. +25%	Borrow	Waste
<b>PHASE I - BUILD DETOURS</b>						
-DET1- STA. 10+50.00	-DET1- STA. 25+37.81	450		23,968	23,535	17
-DET1- STA. 26+73.98	-DET1- STA. 40+50.00	601		23,555	23,007	53
-DET2- STA. 12+15.00	-DET2- STA. 23+60.94	1,068		1,394	926	
-DET2- STA. 25+09.84	-DET2- STA. 37+67.00	4,835		1,531		3,304
-L- STA. 13+62.02	-L- STA. 30+08.83	614				614
-L- STA. 81+34.51	-L- STA. 97+81.88	930		259		671
<b>SUBTOTALS:</b>		8,498		50,706	46,867	4,659
<b>PHASE II - BUILD PROJECT</b>						
-LWB- STA. 18+50.00	-LWB- STA. 39+38.57	7,988	102	18,056	10,068	102
<b>SUBTOTALS:</b>		7,988	102	18,056	10,068	102
-L- STA. 10+00.00	-L- STA. 40+00.00	7,589	1,318	10,661	3,479	1,725
-Y1- STA. 24+25.00	-Y1- STA. 31+93.00	946		20,986	20,040	
-Y1- STA. 33+33.00	-Y1- STA. 37+13.52 (BRG)			53,621	53,621	
-Y1- STA. 39+40.27 (BRG)	-Y1- STA. 49+20.67			23,301	23,301	
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		25,221	25,221	
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		20,068	19,613	297
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		52,384	52,329	375
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		38,378	37,781	1,657
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		26,939	26,326	12
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		36,333	36,136	439
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		200		28
-Y1- STA. 44+60.66	-Y1- STA. 51+75.00	742		12,078	6,724	
<b>SUBTOTALS:</b>		16,882	3,270	376,695	361,106	4,533
-L- STA. 40+00.00	-L- STA. 70+00.00	4,140		8,246	4,106	
<b>SUBTOTALS:</b>		4,140		8,246	4,106	0
-L- STA. 70+00.00	-L- STA. 100+00.00	1,245		10,326	9,277	196
<b>SUBTOTALS:</b>		1,245		10,326	9,277	196
-L- STA. 100+00.00	-L- STA. 105+30.00	178		3,366	3,188	
<b>SUBTOTALS:</b>		178		3,366	3,188	0
-Y2- STA. 28+10.00	-Y2- STA. 38+93.34 (BRG)	54		59,898	59,844	
-Y2- STA. 42+37.17 (BRG)	-Y2- STA. 74+17.90	3,814	964	56,814	53,983	1,947
-Y2- STA. 74+41.90	-Y3- STA. 78+50.00	74	759	1,584	1,490	759
<b>SUBTOTALS:</b>		3,942	1,723	118,275	115,316	2,706
-Y7- STA. 40+00.00	-Y7- STA. 70+00.00	3,720	734	29,064	25,344	734
-Y7- STA. 70+00.00	-Y7- STA. 96+00.00	697	5,063	25,731	25,111	5,130
-DR1- STA. 10+12.18	-DR1- STA. 16+61.58			7,168	7,168	
<b>SUBTOTALS:</b>		4,417	5,787	61,962	57,622	5,864
-Y3- STA. 13+40.00	-Y3- STA. 16+61.48	34		273	239	
-Y3- STA. 18+01.48	-Y3- STA. 21+23.00	30		304	288	14
-Y3- STA. 18+01.48	-Y3- STA. 21+23.00	30		3,160	3,160	
-Y1A- STA. 11+97.00	-Y1A- STA. 16+18.71	91		364	273	
-Y1- STA. 10+70.00	-Y1- STA. 24+25.00	2,460		1,186		1,274
<b>SUBTOTALS:</b>		2,615		5,286	3,959	1,287
<b>PHASE III - DETOUR REMOVAL</b>						
-DET1- STA. 10+50.00	-DET1- STA. 25+38.17	19,612		6,301		13,311
-DET1- STA. 26+74.17	-DET1- STA. 40+50.00	18,842		2,180		16,662
-DET2- STA. 12+15.00	-DET2- STA. 23+60.94	998		1,414	416	
-DET2- STA. 24+96.95	-DET2- STA. 41+75.00	1,754		5,788	4,014	
<b>SUBTOTALS:</b>		41,206		15,662	4,429	29,972
<b>TOTAL</b>		91,081	10,882	668,580	615,938	49,319
Material For Shoulder Construction						
Additional Undercut						
Less Due to Clearing & Grubbing						
Waste in Lieu of Borrow						
<b>PROJECT TOTALS:</b>		83,806	14,922	686,378	605,863	18,221
Est. 5% To Replace Top Soil on Borrow Pit						
<b>GRAND TOTALS:</b>		83,806	14,922	686,378	605,863	18,221
<b>SAY:</b>		<b>84,000</b>	<b>15,000</b>		<b>637,000</b>	
*UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL -L- 50+75 TO 54+25 (218 CY) -L- 100+75 TO 104+25 (46 CY) -Y1- 12+25 TO 13+37 (8 CY) -Y1RPPD- 19+25 TO 16+50 (772 CY) -Y2- 50+25 TO 53+25 (408 CY) -Y2- 61+75 TO 63+25 (244 CY) -DET1- 35+25 TO 37+25 (4 CY) -DET2- 32+75 TO 37+25 (2,045 CY)						
Est. DDE = 27,396 CY						
Note: THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.						