

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

STATION	STATION	UNCL. EXCAV.	EMBANK. (+%)	BOROW	WASTE
<b>PHASE 1 SUMMARY 1</b>					
-DRL3- 732+00	-DRL3- 743+00		415,553	415,553	
-L3- 744+75	-L3- 754+50	70,975	88,066	17,091	
-L3- 759+00	-L3- 773+90 Bridge	235,560	73,414		162,146
-L3- 774+93 Bridge	-L3- 801+50	243,501	465,197	221,696	
-RPB- 13+45.45	-RPB- 30+40	501,427	2,468		498,959
-LPB- 11+69.68	-LPB- 21+32	21,829	12,978		8,851
-RPC- 13+98.96	-RPC- 27+04	253,069			253,069
-LPC- 11+71.75	-LPC- 19+62	347,103			347,103
-Y25REV- 17+50	-Y25REV- 33+28	7,352	21,893	14,541	
-Y25EXT- 10+12	-Y25EXT- 13+55	2,333	17		2,316
-Y2- 17+25 RT	-Y2- 42+25 RT	22,566	37,535	17,112	2,143
-Y74- 10+50	-Y74- 16+50	212	139		73
-DR2- 9+67.72 -CUL2-	-DR2- 19+44.66	1,204	2,046	842	
-Y25- 15+70.10 -CUL1-		179			179
-Y16- 13+03.91 -CUL3-		133			133
-Y16- 17+82.39 -CUL4-		2	955	953	
-L3- 779+79.91 -CUL16-		77	81	4	
<b>SUBTOTAL</b>		1,707,522	1,120,339	687,789	1,274,972
<b>PHASE 1 SUMMARY 2</b>					
-L3- 801+50	-L3- 829+50	169,518	121,779		47,739
-Y19- 7+00	-Y19- 20+03 Bridge	594	13,878	13,284	
-Y19- 21+85 Bridge	-Y19- 30+00	1,198	13,938	12,740	
-Y17- 13+21.98 -CUL5-		3	109	106	
-Y17- 17+78.13 -CUL6-		327			327
-Y20- 11+92.83 -CUL7-		10	9		1
-Y21- 17+36.58 -CUL8-		1	1,226	1,225	
<b>SUBTOTAL</b>		171,651	150,940	27,355	48,067
<b>PHASE 1 SUMMARY 3</b>					
-L3- 829+50	-L3- 841+00	4,205	279,697	275,492	
-L3- 843+00	-L3- 856+50	298,328	569		297,759
-RPA- 13+64.15	-RPA- 26+50	55,060	1,910		53,150
-LPA- 11+38.70	-LPA- 19+54	106,384			106,384
-RPD- 13+23.64	-RPD- 30+87	8,055	121,447	113,392	
-LPD- 13+97.53	-LPD- 26+53	20,229	36,174	15,945	
-Y3- 23+00	-Y3- 25+41 Bridge	9,799	470		9,329
-Y3- 27+70 Bridge	-Y3- 41+50	8,050	12,679	4,629	
-Y4- 17+00	-Y4- 23+46	57	3,519	3,462	
-L3- 839+94.99 -CUL14-		662	41		621
-Y23- 25+93.98 -CUL9-		6	94	88	
<b>SUBTOTAL</b>		510,835	456,602	413,009	467,242
<b>PHASE 1 SUMMARY 4</b>					
-L3- 856+50	-L3- 884+00	23,990	199,480	175,490	
-Y6- 13+00	-Y6- 17+00	158	2,842	2,684	
-Y6- 22+66	-Y6- 33+34	8,059	22,944	14,885	
-Y5- 11+75	-Y5- 21+12	691	3,623	2,932	
<b>SUBTOTAL</b>		32,898	228,888	195,990	

STATION	STATION	UNCL. EXCAV.	EMBANK. (+%)	BOROW	WASTE
<b>PHASE 1 SUMMARY 5</b>					
-L3- 884+00	-L3- 914+00	58,021	45,756		12,265
-Y10- 18+31	-Y10- 25+32	188	19,453	19,265	
-Y10- 26+26	-Y10- 29+70	197	3,968	3,771	
-Y8- 15+00	-Y8- 36+60	574	45,010	44,436	
-Y12- 11+25	-Y12- 33+00	3,922	25,129	21,207	
<b>SUBTOTAL</b>		62,902	139,316	88,678	12,265
<b>PHASE 1 SUMMARY 6</b>					
-L3- 914+00	-L3- 944+00	7,823	68,345	60,522	
<b>SUBTOTAL</b>		7,823	68,345	60,522	
<b>PHASE 1 SUMMARY 7</b>					
-L3- 944+00	-L3- 951+00	1,602	31,872	30,270	
-Y9- 13+50	-Y9- 16+54	447	144		303
-Y11- 10+47	-Y11- 28+00	153	289,889	289,736	
-Y42- 14+45.32 -CUL13-		234			234
-Y12- 41+97.56 -CUL11-		23	21		2
<b>SUBTOTAL</b>		2,459	321,925	320,006	540
<b>PHASE 1 SUMMARY 8</b>					
-L3- 951+00 - LT	-L3- 977+00 - LT	51,941	183,602	131,661	
<b>SUBTOTAL</b>		51,941	183,602	131,661	
<b>PHASE 1 SUMMARY 9</b>					
-L3- 977+00 - LT	-L3- 1004+00 - LT	57,337	108,848	51,511	
-Y7A- 13+75 - LT	-Y7A- 17+99 - LT	22,482	13		22,469
<b>SUBTOTAL</b>		79,819	108,860	51,511	22,469
<b>PHASE 1 TOTAL</b>		2,627,850	2,778,816	1,976,521	1,825,554
<b>PHASE 1A SUMMARY 10</b>					
-Y6- 17+00	-Y6- 22+66	709	2,372	1,663	
-Y23- 36+60	-Y23- 39+33	691	40		651
-DR4- 12+00	-DR4- 14+14	67	831	764	
-Y23A- 45+53.87 -CUL15-		791	2		789
<b>PHASE 1B SUMMARY 10</b>					
-Y6- 10+00	-Y6- 13+00	506	3,202	2,696	
-Y22A- 34+50 -CUL10-	-Y22A- 40+24	1,046	8,617	7,571	
<b>PHASE 1A &amp; 1B TOTAL</b>		3,810	15,065	12,694	1,439

STATION	STATION	UNCL. EXCAV.	EMBANK. (+%)	BOROW	WASTE
<b>PHASE 2 SUMMARY 11</b>					
-L3- 754+50	-L3- 759+00	89,595			89,595
-L3- 841+00	-L3- 843+00	27,275			27,275
-Y2- 17+25 LT	-Y2- 42+25 LT	25,114	892		24,222
-Y3- 13+10 LT	-Y3- 23+00 LT	8,028	8,074	46	
-Y18DET- 10+47.99	-Y18DET- 13+24.38	9	928	919	
-DR3- 10+25	-DR3- 16+75	234	10,486	10,252	
DETOUR RT -Y3- 14+30	-Y3- 14+30	456	910	454	
DETOUR LT -Y3- 13+50	-Y3- 20+00	92	3,281	3,189	
<b>SUBTOTAL</b>		150,803	24,571	14,860	141,092
<b>PHASE 2 SUMMARY 12</b>					
-L3- 951+00 - RT	-L3- 977+00 - RT	48,264	15,588		32,676
<b>SUBTOTAL</b>		48,264	15,588		32,676
<b>PHASE 2 SUMMARY 13</b>					
-L3- 977+00 - RT	-L3- 1004+00 - RT	32,771	7,052		25,719
-Y7- 14+75 - LT	-Y7- 17+75 - LT	248	2,555	2,307	
-Y7- 19+11 - RT	-Y7- 23+30 - RT	12,041			12,041
<b>SUBTOTAL</b>		45,060	9,607	2,307	37,760
<b>PHASE 2 TOTAL</b>		244,127	49,766	17,167	211,528
<b>PHASE 3 SUMMARY 14</b>					
-Y3- 13+10 RT	-Y3- 23+00 RT	34	7,766	7,732	
-Y18- 14+30	-Y18- 18+12	47	7,052	7,005	
<b>SUBTOTAL</b>		81	14,818	14,737	
<b>PHASE 3 SUMMARY 15</b>					
-Y18DET- REMOVAL		807			807
-Y3- DETOUR LT REMOVAL		2,853			2,853
<b>SUBTOTAL</b>		3,660			3,660
<b>PHASE 3 TOTAL</b>		3,741	14,818	14,737	3,660
<b>PROJECT SUB TOTALS</b>					
		2,879,528	2,858,465	2,021,119	2,042,181
LOSS DUE TO CLEARING & GRUBBING		-20,000		20,000	
ROCK WASTE TO REPLACE BORROW				-69,376	-69,376
ADJUST FOR ROCK WASTE			-10,406	-10,406	
WASTE IN LIEU OF BORROW				-1,959,193	-1,959,193
<b>PROJECT TOTALS</b>		2,859,528	2,848,059		13,612
<b>GRAND TOTALS</b>					
<b>SAY</b>		2,859,528	2,848,059		13,612

SHOULDER BORROW = 38,000 CUBIC YARDS  
PAVEMENT VOLUME STRUCTURE = 67,000 CUBIC YARDS  
EST. DDE = 25,650 CUBIC YARDS  
EST. SHALLOW UNDERCUT = 15,000 CUBIC YARDS  
UNDERCUT FOR EMBANKMENT STABILITY = 7,500 CUBIC YARDS  
GRADE POINT UNDERCUT = 2,000 CUBIC YARDS  
UNDERCUT FOR SUBGRADE STABILITY = 4,000 CUBIC YARDS

PAVEMENT VOLUME STRUCTURE = 67,000 CY  
LINES L3, RPB, RPC, LPC, LPA, RPC & Y11 WERE USED TO COMPUTE THE PAVEMENT VOLUME STRUCTURE

NOTE: UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT BACKFILL BENEATH PAVEMENT SECTION FROM -L3- 749+45 TO 756+90 (21,560 CY) & FROM -L3- 903+30 TO 905+70 (8,440 CY)