

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

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
PHASE 1					
-L- STA. 23+25.00 TO 28+00.00 LT	48		424	376	
-L- STA. 38+50.00 TO 54+00.00 LT	5,235		658		4,577
-L- STA. 67+50.00 TO 95+00.00 LT	3,185		3,060	2,161	2,286
-L- STA. 126+00.00 TO 131+15.00 LT	127		109		18
-L- STA. 73+50.00 TO 103+50.00 MED	748		2,196	1,531	83
-L- STA. 103+50.00 TO 131+15.00 MED	45		6,204	6,159	
-L- STA. 26+50.00 TO 49+00.00 RT	7,470		1,516		5,954
-L- STA. 69+00.00 TO 100+00.00 RT	2,644		4,416	2,879	1,107
-L- STA. 100+00.00 TO 131+15.00 RT	1,562		3,406	2,655	811
-DET1- STA. 10+96.78 TO 21+10.14 (BRIDGE)	112		2,560	2,448	
-DET1- STA. 22+96.40 (BRIDGE) TO 29+50.00	28		6,451	6,423	
-Y13DET- STA. 11+38.57 TO 12+90.11	314		15		299
-Y13DET- STA. 13+67.08 TO 14+40.55	56		61	5	
-Y1- STA. 11+75.00 TO 17+29.57 (BRIDGE)	34		13,326	13,292	
-Y1- STA. 19+29.57 (BRIDGE) TO 22+30.00	20		7,316	7,296	
-Y1LPC- STA. 10+00.00 TO 15+34.11	2,899		49		2,850
-Y1RPA- STA. 10+00.00 TO 17+03.62	846		2,384	1,754	216
-Y1RPB- STA. 10+51.12 TO 16+83.66	3,729		779		2,950
-Y1RPD- STA. 10+63.33 TO 17+09.17	735		1,253	518	
-Y2RPA- STA. 16+85.00 TO 18+77.47	13		91	78	
-Y2RPB- STA. 11+43.77 TO 12+09.59	16		34	18	
-Y2RPC- STA. 11+70.00 TO 12+47.46	37		423	386	
-Y2LPA- STA. 10+50.03 TO 16+13.30	294		4,280	3,986	
-Y6- STA. 12+75.05 TO 13+75.65	410		8		402
-Y7A- STA. 10+63.50 TO 11+04.84	8				8
-Y9- STA. 10+55.76 TO 11+72.39	24		24		
SUBTOTAL	30,639		61,043	51,965	21,561
PHASE 2					
-L- STA. 28+00.00 TO 38+50.00 LT	719		181		538
-L- STA. 54+00.00 TO 60+00.50 (BRIDGE) LT	86		1,206	1,120	
-L- STA. 62+05.50 (BRIDGE) TO 67+50.00 LT	165		996	831	
-L- STA. 28+00.00 TO 53+00.00 MED	10		3,281	3,271	
-Y1- STA. 22+30.00 TO 24+04.00	47		156	109	
-Y5- STA. 12+00.55 TO 13+41.26			360	360	
SUBTOTAL	1,027		6,180	5,691	538

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
PHASE 3					
-L- STA. 95+00.00 TO 126+00.00 LT	1,857		2,234	980	603
-L- STA. 68+00.00 TO 73+50.00 MED			858	858	
-L- STA. 56+00.00 TO 60+00.50 (BRIDGE) RT	188		1,529	1,341	
-L- STA. 62+05.50 (BRIDGE) TO 69+00.00 RT	21		5,256	5,235	
-DET3- STA. 14+67.28 TO 21+02.65 (BRIDGE)	589		776	187	
-DET3- STA. 23+07.65 (BRIDGE) TO 29+43.03	1,229		438		792
REMOVAL -DET1- 20+00.00 TO 26+00.00	4,255		76		4,179
-Y4- STA. 10+52.20 TO 13+58.00	539		462		77
-Y7B- STA. 10+68.04 TO 12+86.47	59		90	31	
-Y8- STA. 12+71.57 TO 13+86.50	24		70	46	
-Y3RPB- STA. 10+00.00 TO 14+94.70	390				390
SUBTOTAL	9,151		11,789	8,678	6,040
PHASE 4					
REMOVAL -Y13DET- STA. 11+38.57 TO 12+90.11	12		393	381	
REMOVAL -Y13DET- STA. 13+67.08 TO 14+40.55	49		70	21	
-L- STA. 53+00.00 TO 60+00.50 (BRIDGE) MED	4		894	890	
-L- STA. 62+05.50 (BRIDGE) TO 68+00.00 MED			426	426	
-L- STA. 49+0.00 TO 56+00.00 RT	473		1,341	868	
SUBTOTAL	538		3,124	2,586	
PROJECT SUMMARY SUBTOTAL:	41,355		82,136	68,920	28,139
MATERIAL FOR SHOULDER CONSTRUCTION				9,250	
EST. LOSS DUE TO CLEARING AND GRUBBING:	-500			500	
ROCK WASTE TO REPLACE BORROW:				-205	-205
ADJUST FOR ROCK WASTE:			-51	-51	
WASTE IN LIEU OF BORROW:				-12,261	-12,261
PROJECT TOTAL:	40,855		91,335	66,153	15,673
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				3,308	
GRAND TOTAL	40,855			69,461	
SAY	40,900			69,500	

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.

