

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK
 IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
PHASE III RIGHT					
-L- NBL 583+05.00 TO 585+24.00	0		689	689	
-L- NBL 587+04.00 TO 587+60.00	0		248	248	
-L- NBL 650+00.00 TO 683+29.00	2,450		1,264		1,186
-L- NBL 694+97.00 TO 716+00.00	2,297		8,416	6,119	
-L- NBL 726+81.00 TO 755+00.00	1,107		3,455	2,348	
-L- NBL 755+00.00 TO 785+00.00	8,385		3,099		7,360
-L- NBL MED 785+00.00 TO 802+24.93	112		6,653	6,541	
-L- NBL MED 804+04.93 TO 834+00.00	523		8,628	8,105	
-L- NBL MED 834+00.00 TO 864+00.00	481		1,363	882	
-L- NBL MED 864+00.00 TO 894+00.00	1,313		1,705	392	
-L- NBL MED 894+00.00 TO 915+00.00	688		364		324
SUBTOTAL	17,356	0	35,884	25,324	8,870
PHASE III MEDIAN					
-L- MED 495+00.00 TO 525+00.00	222		15,000	14,778	
-L- MED 525+00.00 TO 555+00.00	329		9,141	8,812	
-L- MED 555+00.00 TO 583+05.00	694		3,134	2,440	
-L- MED 587+60.00 TO 616+14.60	378		19,221	18,843	
-L- MED 618+31.89 TO 634+15.00	30		27,961	27,931	
SUBTOTAL	1,653	0	74,457	72,804	0
PHASE IV LEFT					
-L- SBL 495+00.00 TO 518+00.00	388		1,649	1,261	
-L- SBL 575+43.00 TO 585+24.00	197		3,158	2,961	
-L- SBL 587+04.00 TO 616+14.60	3,567		36,599	33,032	
-L- SBL 618+31.89 TO 634+15.00	2,831		41,884	39,053	
-Y5RPA-14+41.41 TO 23+82.07	1,225	169	17,100	16,937	1,231
-Y5-38+63.19 TO 41+34.64	6,701		1,280		5,421
-Y1BRPADET-13+47.77 TO 18+55.00	2,292		395		1,897
-L- SBL 774+50.00 TO 802+24.93	4,708	4,193	24,693	20,242	4,450
-L- SBL 804+04.93 TO 834+00.00	7,577	4,301	31,708	24,131	4,301
-L- SBL 834+00.00 TO 864+00.00	9,205		5,538		3,667
-L- SBL 864+00.00 TO 894+00.00	7,713		7,629		84
-L- SBL 894+00.00 TO 915+00.00	4,516	2,926	8,043	3,527	2,926
SUBTOTAL	50,920	11,589	179,676	141,144	23,977
PHASE IV RIGHT					
-L- NBL 495+00.00 TO 525+00.00	874		2,014	1,140	
-L- NBL 525+00.00 TO 555+00.00	1,031		1,100	69	
-L- NBL 555+00.00 TO 561+00.00	53		968	915	
-Y5- MED 41+34.64 TO 43+51.16	14		1,516	1,502	
-Y1BRPADET- 13+47.77 TO 18+55.00	1,103		395		708
(REMOVAL)					
-Y1BRPDDDET- 12+66.03 TO 22+71.92	3,883		213		3,670
(REMOVAL)					
-XOVER_Y6- 11+59.74 TO 18+15.61	21				21
(REMOVAL)					
SUBTOTAL	6,979	0	6,206	3,626	4,399
PROJECT SUBTOTAL	208,844	45,178	1,366,835	1,215,788	107,922
ADDITIONAL UNDERCUT		6,000	7,500	7,500	6,000
MATERIAL FOR SHOULDER CONSTRUCTION			34,099	34,099	
WASTE IN LIEU OF BORROW				-54,628	-54,628
LOSS DUE TO CLEARING & GRUBBING	-23,000			23,000	
SELECT GRANULAR IN LIEU OF BORROW			-100,875	-100,875	
SURCHARGE	19,000		19,000	19,000	19,000
PROJECT TOTAL	204,844	51,178	1,326,559	1,143,884	78,294
5% TO REPLACE BORROW				57,220	
GRAND TOTAL	204,844	51,178	1,326,559	1,201,104	78,294
SAY	216,000	54,000		1,262,000	

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

PAVEMENT STRUCTURE VOLUME 139,750 CY

EST. DDE = 26,230 CY

EST. SHALLOW UNDERCUT = 1,000 CY

CLASS IV SUBGRADE STABILIZATION = 1,900 TONS

SELECT GRANULAR MATERIAL, CLASS III (TO REPLACE UNDERCUT) = 80,700 CY