

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK
 IN CUBIC YARDS

STATION	STATION	SIDE	TOTAL UNCL. EXCAV.	UNDERCUT	EMBANK. + %	BORROW	TOTAL WASTE
PHASE 1							
-L- 16+00.00	-L- 28+00.00	LT	2,004		688		1,317
-L- 28+00.00	-L- 58+00.00	LT	2,225		3,292	1,067	
-L- 58+00.00	-L- 67+00.00	LT	367		1,197	830	
-L- 67+00.00	-L- 72+00.00	LT	178	1,008	1033	1,023	1,176
-L- 72+00.00	-L- 100+50.00	LT & RT	3,149	938	61,795	61,779	4,071
-L- 100+50.00	-L- 122+50.00	LT & RT	6,855	1,553	36,785	35,776	7,399
-L- 122+50.00	-L- 127+50.00	LT	1,318		94	30	1,254
-L- 122+50.00	-L- 127+50.00	MED	530		638	108	
-Y- 18+07.09	-Y- 19+57.59	LT	13		12		2
-Y1- 10+75.00	-Y1- 11+34.46		6		48	42	
-Y2- 10+20.00	-Y2- 11+02.15		34		49	15	
-Y3- 13+25.00	-Y3- 13+91.65		10		17	7	
-Y5- 10+35.51	-Y5- 20+00.00		290		6,125	5,835	
-Y6- 10+17.99	-Y6- 12+75.00		35		318	283	
-Y8- 14+80.06	-Y8- 17+72.21		118		90		28
-DRW1- 10+80.00	-DRW1- 11+40.00		20		318	298	
-DRW2- 10+50.00	-DRW2- 11+25.00		210		372	162	
SUBTOTALS:			17,362	3,499	112,871	107,255	15,246
PHASE 2							
-L- 16+00.00	-L- 28+00.00	RT	311		239		72
-L- 28+00.00	-L- 58+00.00	RT	968		3,809	2,841	
-L- 58+00.00	-L- 67+00.00	RT	196		1,859	1,663	
-L- 67+00.00	-L- 72+00.00	RT	516	408	753	635	806
-Y- 18+07.09	-Y- 19+50.00	RT	7				7
-Y- 20+44.29	-Y- 22+30.00	LT & RT	404		88		317
-Y2A- 10+37.50	-Y2A- 11+13.00		22		54	32	
-Y4- 10+37.53	-Y4- 11+75.00		219		215		4
-Y7- 15+80.00	-Y6- 16+34.61		6		58	52	
SUBTOTALS:			2,649	408	7,075	5,223	1,206
TOTALS:			20,011		119,946	112,478	16,452
MATERIAL FOR SHOULDER CONSTRUCTION					4,500	4,500	
LOSS DUE TO CLEARING & GRUBBING			-1,500			1,500	
ADDITIONAL UNDERCUT				2,400	3,000	3,000	2,400
WASTE IN LIEU OF BORROW						-1,746	-1,746
PROJECT TOTALS:			18,511	6,307	127,446	19,732	17,106
5% TO REPLACE TOP SOIL ON BORROW PIT						5,987	
GRAND TOTALS:			18,511	6,307	127,446	125,718	17,106
SAY:			19,000			126,000	

EST. DDE = 1360 CUBIC YARDS
 EST. SHALLOW UNDERCUT = 3100 CY
 EST. PAVEMENT STRUCTURE VOL = 37,290 CY

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.

NOTE: Quantities are approximate only. The resident engineer will re-cross section the work accurately when the project is staked out. These cross section notes will be used in computing the final quantities for which the contractor will be paid.

5/9/2017
 I:\Roadway\Proj\U3334B_rdy_earthwork_summary_3B-1.dgn
 cmo21000