

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

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBANKMENT +%	BORROW	TOTAL WASTE	LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBANKMENT +%	BORROW	TOTAL WASTE
SECTION 1 (PHASE 1)						SECTION 4 (PHASE 2)					
-L- (RT) 11+32.00 TO 20+34.32	1272		40	0	1232	-L- (LT) 11+32.00 TO 20+34.32	264		210	0	54
-L- (RT) 21+39.61 TO 48+50.00	5425		1844	0	3581	-L- (LT) 21+39.61 TO 48+50.00	2664		3691	1560	533
-Y1- 18+50.00 TO 26+26.00	1179		81	0	1098	-Y1- 10+95.00 TO 18+50.00	1229		40	0	1189
-Y2- 15+45.55 TO 19+95.00	191		180	27	38	-Y2- 11+55.00 TO 14+53.87	185		76	0	109
-Y3- 10+44.00 TO 10+94.85	19		6	0	13	-Y7- (RT) 11+15.00 TO 18+30.83	176		53	0	123
-Y3- 11+30.85 TO 15+11.00	154		183	60	31	-Y7- (RT) 19+35.74 TO 26+40.00	193		106	0	87
-Y4- 10+43.00 TO 11+55.00	141		3	0	138	-Y14- 19+29.03 TO 23+23.00	501		104	0	397
-Y5- 10+43.00 TO 11+67.00	114		14	0	100	-Y18- 10+36.00 TO 12+36.50	59		81	34	12
-Y6- 10+55.00 TO 11+70.00	178		15	0	163	SUBTOTAL (SECTION 4)	5271		4361	1594	2504
-Y17- 10+26.33 TO 11+79.07	117		45	0	72	SECTION 5 (PHASE 3)					
-Y19- 12+07.00 TO 13+00.00	35		14	0	21	-L- (MED) 26+00.00 TO 31+50.00	73		349	291	15
SUBTOTAL (SECTION 1)	8825		2425	87	6487	-L- (MED) 33+50.00 TO 47+50.00	86		1458	1389	17
SECTION 2 (PHASE 1)						SUBTOTAL (SECTION 5)	159		1807	1680	32
-L- 48+50.00 TO 64+69.00	2111		36808	35119	422	TOTALS	21210		95857	86915	12268
-L- 66+49.00 TO 73+55.62	76		47790	47729	15	LOSS DUE TO CLEARING AND GRUBBING	-100			100	
-Y7- (LT) 11+15.00 TO 18+30.83	468		105	0	363	EARTH WASTE TO REPLACE BORROW				-8025	-8025
-Y7- (LT) 19+35.74 TO 26+40.00	684		50	0	634	BORROW FOR PIPE BACKFILL			18026	18026	
-Y8- 10+43.00 TO 11+75.00	139		6	0	133	PROJECT TOTALS	21110		113883	97016	4243
-Y9- 10+43.00 TO 12+50.00	132		35	0	97	EST 5% FOR REPLACING TOPSOIL ON BORROW PITS				4851	
-Y10- 12+55.00 TO 16+97.26	391		365	52	78	GRAND TOTALS	21110			101867	
-Y10- 17+10.49 TO 21+50.00	553		96	0	457	SAY	21200			102000	
-Y16- 10+24.07 TO 11+05.00	28		6	0	22	PAVEMENT STRUCTURE VOLUME: -L- = 9,500 CY					
-Y20- 10+24.22 TO 21+96.00	352		149	0	203						
SUBTOTAL (SECTION 2)	4934		85410	82900	2424						
SECTION 3 (PHASE 1)											
-L- 73+65.66 TO 83+00.00	1304		1644	601	261						
-L- 83+00.00 TO 86+52.00	172		94	0	78						
-Y12- 10+34.00 TO 11+04.00	8		13	7	2						
-Y13- 10+00.00 TO 13+24.80	29		69	46	6						
-Y13- 14+04.86 TO 14+87.00	57		14	0	43						
-Y14- 15+18.00 TO 18+61.03	451		20	0	431						
SUBTOTAL (SECTION 3)	2021		1854	654	821						

THE FOLLOWING QUANTITIES ARE PER THE
 "GEOTECHNICAL REPORT - RECOMMENDATIONS"
 LETTER (DATED JANUARY 12, 2012)

ESTIMATED SHALLOW UNDERCUT = 5,750 CY
 ESTIMATED CLASS IV SUBGRADE STABILIZATION = 10,000 TONS
 ESTIMATED UNDERCUT EXCAVATION = 5,000 CY
 ESTIMATED SELECT GRANULAR MATERIAL = 5,000 CY

NOTE: NCDOT GEOENVIRONMENTAL SECTION HAS DETERMINED THAT THERE MAY BE APPROXIMATELY 5500 CY OF STOCKPILING NON-HAZARDOUS CONTAMINATED SOIL AND 2,500 CY OF LOADING HAZARDOUS CONTAMINATED SOIL WITHIN THE PROJECT LIMITS (SEE PLANS FOR LOCATIONS). PLEASE SEE THE PROJECT SPECIAL PROVISION AND DETAIL IN THE PLANS TO DETERMINE HOW TO HANDLE THIS MATERIAL.

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: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, REMOVAL OF EXISTING PAVEMENT, AND BREAKING OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

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5/12/2015