

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
I-5883 SUMMARY OF QUANTITIES

SUMMARY OF EARTHWORK

LOCATION	UNCLASSIFIED EXCAVATION (CY)	UNDERCUT (CY)	EMBANKMENT +% (CY)	BORROW (CY)	WASTE (CY)
-L- STA 1061+63.00 LT TO -L- STA 1102+00.00 LT	28,730	811	9,886	0	19,655
-Y16- STA 11+50.00 TO -Y16- STA 26+16.45 (BRIDGE)	1,600	0	21,859	21,352	1,093
-Y16RPB- STA 14+58.76 TO -Y16RPB- STA 23+00.00	13,998	1,225	6,588	0	8,635
-SR13- STA 44+00.00 TO -SR13- STA 59+50.00	2,831	0	3,871	1,040	0
-DR2- STA 10+50.00 TO -DR2- STA 12+91.61	88	0	176	88	0
SUBTOTAL	47,247	2,036	42,380	22,480	29,383
-L- STA 1061+63.00 MED TO -L- STA 1102+00.00 MED	3,140	0	3	0	3,137
SUBTOTAL	3,140	0	3	0	3,137
-L- STA 1061+63.00 RT TO -L- STA 1102+00.00 RT	7,340	0	3,988	0	3,352
-Y16- STA 28+01.43 (BRIDGE) TO -Y16- STA 44+00.00	1,360	0	43,065	42,304	599
-Y16RPC- STA 15+91.71 TO -Y16RPC- STA 27+50.00	2,337	366	87,579	85,242	366
SUBTOTAL	11,037	366	134,632	127,546	4,317
-L- STA 1102+00.00 LT TO -L- STA 1125+50.00 LT	25,492	0	379	0	25,113
-Y16RPA- STA 18+43.96 TO -Y16RPA- STA 28+00.00	7,497	1,108	7,828	1,753	2,530
-DR3- STA 13+00.00 TO -DR3- STA 19+50.00	1,063	0	265	0	798
-DR3A- STA 10+30 TO -DR3A- STA 12+06.55	88	0	0	0	0
SUBTOTAL	34,140	1,108	8,472	1,753	28,441
-L- STA 1102+00.00 MED TO -L- STA 1125+50.00 MED	1,470	0	18	0	1,452
SUBTOTAL	1,470	0	18	0	1,452
-L- STA 1102+00.00 RT TO -L- STA 1125+50.00 RT	9,772	0	2,564	0	7,208
-Y16RPD- STA 14+00.36 TO -Y16RPD- STA 20+00.00	4,613	0	3,034	0	1,579
-SR15- STA 10+50.00 TO -SR15- STA 30+25.00	1,138	676	2,796	1,658	676
-DR4- STA 10+50.00 TO -DR4- STA 15+50.00	296	0	101	0	195
SUBTOTAL	15,819	676	8,495	1,658	9,658
-L- STA 1125+50.00 LT TO -L- STA 1152+00.00 LT	7,274	374	3,900	0	3,748
-SR16- STA 10+00.00 TO -SR16- STA 15+00.00	1,139	786	1,126	0	799
SUBTOTAL	8,413	1,160	5,026	0	4,547
-L- STA 1125+50.00 MED TO -L- STA 1152+00.00 MED	2,356	0	0	0	2,356
SUBTOTAL	2,356	0	0	0	2,356
-L- STA 1125+50.00 RT TO -L- STA 1152+00.00 RT	1,732	0	1,728	159	163
-SR15- STA 30+25.00 TO -SR15- STA 56+71.05	3,443	5,003	10,835	9,558	7,169
SUBTOTAL	5,175	5,003	12,563	9,717	7,332
-L- STA 1152+00.00 LT TO -L- STA 1180+00.00 LT	10,015	2,519	10,383	1,465	3,616
SUBTOTAL	10,015	2,519	10,383	1,465	3,616
PAVEMENT STRUCTURE VOLUME = 159,270 CY TO -L- STA 1180+00.00 MED	2,332	0	0	0	2,332
SUBTOTAL	2,332	0	0	0	2,332

SUMMARY OF EARTHWORK

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT +%	BORROW	WASTE
-L- STA 1152+00.00 RT TO -L- STA 1180+00.00 RT	1,136	0	4,975	3,839	0
-SR15- STA 56+71.05 TO -SR15- STA 84+81.51	753	204	14,970	14,286	273
-Y26- STA 10+50.00 TO -Y26- STA 30+50.00	1,478	474	4,810	3,332	474
SUBTOTAL	3,367	678	24,755	21,457	747
-L- STA 1180+00.00 LT TO -L- STA 1207+00.00 LT	4,206	720	9,088	5,005	843
-Y17- STA 13+50.00 TO -Y17- STA 25+77.06 (BRIDGE)	1,598	774	16,744	15,146	774
-Y17RPB- STA 14+09.57 TO -Y17RPB- STA 28+50.00	53	154	20,723	20,670	154
-SR16- STA 61+50.00 TO -SR16- STA 85+50.00	1,119	2,671	13,903	13,501	3,388
SUBTOTAL	6,976	4,319	60,458	54,322	5,159
-L- STA 1180+00.00 MED TO -L- STA 1207+00.00 MED	1,952	0	15	0	1,937
SUBTOTAL	1,952	0	15	0	1,937
-L- STA 1180+00.00 RT TO -L- STA 1207+00.00 RT	5,806	0	4,803	0	1,003
-Y17- STA 27+84.39 (BRIDGE) TO -Y17- STA 40+50.00	498	335	42,798	42,300	335
-Y17RPC- STA 14+81.99 TO -Y17RPC- STA 25+00.00	542	0	18,284	17,742	0
-SR15- STA 84+81.51 TO -SR15- STA 98+31.31	513	0	6,681	6,244	76
-SR17- STA 10+50.00 TO -SR17- STA 20+50.00	2,154	2,168	2,784	2,609	4,147
SUBTOTAL	9,513	2,503	75,350	68,895	5,561
-L- STA 1207+00.00 LT TO -L- STA 1232+00.00 LT	13,488	0	2,900	0	10,588
-Y17RPA- STA 14+62.55 TO -Y17RPA- STA 21+50.00	5,083	868	5,986	5,883	5,848
SUBTOTAL	18,571	868	8,886	5,883	16,436
-L- STA 1207+00.00 MED TO -L- STA 1232+00.00 MED	1,724	0	13	0	1,711
SUBTOTAL	1,724	0	13	0	1,711
-L- STA 1207+00.00 RT TO -L- STA 1232+00.00 RT	13,463	899	2,881	0	11,481
-Y17RPD- STA 13+82.66 TO -Y17RPD- STA 25+00.00	6,579	838	17,706	13,109	2,820
-SR17- STA 20+50.00 TO -SR17- STA 39+31.07	6,703	4,607	19,889	16,537	7,958
SUBTOTAL	26,745	6,344	40,476	29,646	22,259
TOTAL	209,992	27,580	431,925	344,822	150,381
MATERIAL FOR SHOULDER CONSTRUCTION			33,125	33,125	
LOSS DUE TO CLEARING & GRUBBING	-16,100			16,100	
UNDERCUT EXCAVATION CONTINGENCY		5,983	7,479	7,479	5,983
SELECT MATERIAL IN LIEU OF BORROW			-33,563	-33,563	
WASTE IN LIEU OF BORROW				-80,614	-80,614
PROJECT TOTAL	193,892	33,563	438,966	287,349	75,750
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				14,367	
GRAND TOTAL	193,892	33,563	438,966	301,716	75,750
SAY	194,000	34,700		302,000	
EST. DDE = 7,370 CUBIC YARDS					
PAVEMENT STRUCTURE VOLUME = 159,270 CY					
UNC EXC - ACCEPTABLE, BUT NOT TO BE USED IN					
TOP 3' OF EMBANKMENT OR BACKFILL = 35,600 CY					

THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.