

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	28,325	1,656	9,675	0	20,306
-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	37	3,949	1,118	37
-DR2- STA 10+50.00 TO -DR2- STA 12+91.61	88	0	176	88	0
<b>SUBTOTAL</b>	<b>46,842</b>	<b>2,918</b>	<b>42,247</b>	<b>22,558</b>	<b>30,071</b>
-L- STA 1061+63.00 MED TO -L- STA 1102+00.00 MED	3,140	0	3	0	3,137
<b>SUBTOTAL</b>	<b>3,140</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3,137</b>
-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
<b>SUBTOTAL</b>	<b>11,037</b>	<b>366</b>	<b>134,632</b>	<b>127,546</b>	<b>4,317</b>
-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
<b>SUBTOTAL</b>	<b>34,140</b>	<b>1,108</b>	<b>8,472</b>	<b>1,753</b>	<b>28,441</b>
-L- STA 1102+00.00 MED TO -L- STA 1125+50.00 MED	1,470	0	18	0	1,452
<b>SUBTOTAL</b>	<b>1,470</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>1,452</b>
-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
<b>SUBTOTAL</b>	<b>15,819</b>	<b>676</b>	<b>8,495</b>	<b>1,658</b>	<b>9,658</b>
-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
<b>SUBTOTAL</b>	<b>8,413</b>	<b>1,160</b>	<b>5,026</b>	<b>0</b>	<b>4,547</b>
-L- STA 1125+50.00 MED TO -L- STA 1152+00.00 MED	2,356	0	0	0	2,356
<b>SUBTOTAL</b>	<b>2,356</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,356</b>
-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
<b>SUBTOTAL</b>	<b>5,175</b>	<b>5,003</b>	<b>12,563</b>	<b>9,717</b>	<b>7,332</b>
-L- STA 1152+00.00 LT TO -L- STA 1180+00.00 LT	10,015	2,519	10,383	1,465	3,616
<b>SUBTOTAL</b>	<b>10,015</b>	<b>2,519</b>	<b>10,383</b>	<b>1,465</b>	<b>3,616</b>
PAVEMENT STRUCTURE VOLUME = 159,270 CY TO -L- STA 1180+00.00 MED	2,332	0	0	0	2,332
<b>SUBTOTAL</b>	<b>2,332</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,332</b>

**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
<b>SUBTOTAL</b>	<b>3,367</b>	<b>678</b>	<b>24,755</b>	<b>21,457</b>	<b>747</b>
-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
<b>SUBTOTAL</b>	<b>6,976</b>	<b>4,319</b>	<b>60,458</b>	<b>54,322</b>	<b>5,159</b>
-L- STA 1180+00.00 MED TO -L- STA 1207+00.00 MED	1,952	0	15	0	1,937
<b>SUBTOTAL</b>	<b>1,952</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>1,937</b>
-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
<b>SUBTOTAL</b>	<b>9,513</b>	<b>2,503</b>	<b>75,350</b>	<b>68,895</b>	<b>5,561</b>
-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
<b>SUBTOTAL</b>	<b>18,571</b>	<b>868</b>	<b>8,886</b>	<b>5,883</b>	<b>16,436</b>
-L- STA 1207+00.00 MED TO -L- STA 1232+00.00 MED	1,724	0	13	0	1,711
<b>SUBTOTAL</b>	<b>1,724</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>1,711</b>
-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
<b>SUBTOTAL</b>	<b>26,745</b>	<b>6,344</b>	<b>40,476</b>	<b>29,646</b>	<b>22,259</b>
<b>TOTAL</b>	<b>209,587</b>	<b>28,462</b>	<b>431,792</b>	<b>344,900</b>	<b>151,069</b>
MATERIAL FOR SHOULDER CONSTRUCTION			33,125	33,125	
LOSS DUE TO CLEARING & GRUBBING	-16,100			16,100	
UNDERCUT EXCAVATION CONTINGENCY		6,145	7,681	7,681	6,145
SELECT MATERIAL IN LIEU OF BORROW			-34,607	-34,607	
WASTE IN LIEU OF BORROW				-80,420	-80,420
<b>PROJECT TOTAL</b>	<b>193,487</b>	<b>34,607</b>	<b>437,991</b>	<b>286,779</b>	<b>76,794</b>
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				14,339	
<b>GRAND TOTAL</b>	<b>193,487</b>	<b>34,607</b>	<b>437,991</b>	<b>301,118</b>	<b>76,794</b>
<b>SAY</b>	<b>194,000</b>	<b>35,700</b>		<b>302,000</b>	
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.