

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**I-5986B SUMMARY OF QUANTITIES**

**SUMMARY OF EARTHWORK**

LOCATION	UNCLASSIFIED EXCAVATION (CY)	UNDERCUT (CY)	EMBANKMENT +% (CY)	BORROW (CY)	WASTE (CY)
-L- LT STA. 1232+00.00 TO STA. 1259+11.08 (BRIDGE)	2,621	0	10,988	8,519	152
-SR19- STA. 10+45.00 TO STA. 28+98.68	2,963	0	524	0	2,439
<b>SUBTOTAL</b>	<b>5,584</b>	<b>0</b>	<b>11,512</b>	<b>8,519</b>	<b>2,591</b>
-L- MED STA. 1232+00.00 TO STA. 1259+11.08 (BRIDGE)	2,569	0	86	0	2,483
<b>SUBTOTAL</b>	<b>2,569</b>	<b>0</b>	<b>86</b>	<b>0</b>	<b>2,483</b>
-L- RT STA. 1232+00.00 TO STA. 1259+11.08 (BRIDGE)	3,615	0	15,311	11,861	165
-SR17- STA. 47+81.07 TO STA. 65+99.36	6,742	539	71	0	7,210
-Y27- STA. 10+00.00 TO STA. 10+92.32	18	0	8	0	11
<b>SUBTOTAL</b>	<b>10,375</b>	<b>539</b>	<b>15,390</b>	<b>11,861</b>	<b>7,386</b>
-L- LT STA. 1261+56.92 (BRIDGE) TO STA. 1295+00.00	15,238	0	7,724	0	7,514
-Y29- STA. 20+00.00 TO STA. 27+40.46 (BRIDGE)	5	0	25,309	25,304	0
<b>SUBTOTAL</b>	<b>15,243</b>	<b>0</b>	<b>33,033</b>	<b>25,304</b>	<b>7,514</b>
-L- MED STA. 1261+56.92 (BRIDGE) TO STA. 1295+00.00	3,248	0	135	0	3,113
<b>SUBTOTAL</b>	<b>3,248</b>	<b>0</b>	<b>135</b>	<b>0</b>	<b>3,113</b>
-L- RT STA. 1261+56.92 (BRIDGE) TO STA. 1295+00.00	17,214	0	8,638	0	8,577
-Y29- STA. 29+37.96 (BRIDGE) TO STA. 35+50.00	86	0	22,478	22,392	0
<b>SUBTOTAL</b>	<b>17,300</b>	<b>0</b>	<b>31,116</b>	<b>22,392</b>	<b>8,577</b>
-L- LT STA. 1295+00.00 TO STA. 1319+50.00	4,606	0	9,480	4,874	0
<b>SUBTOTAL</b>	<b>4,606</b>	<b>0</b>	<b>9,480</b>	<b>4,874</b>	<b>0</b>
-L- MED STA. 1295+00.00 TO STA. 1319+50.00	2,065	0	3	0	2,063
<b>SUBTOTAL</b>	<b>2,065</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2,063</b>
-L- RT STA. 1295+00.00 TO STA. 1319+50.00	3,275	0	6,418	3,351	208
-Y29A- STA. 10+50.00 TO STA. 36+73.54	1,087	760	7,606	6,638	879
<b>SUBTOTAL</b>	<b>4,362</b>	<b>760</b>	<b>14,024</b>	<b>9,989</b>	<b>1,087</b>
-L- LT STA. 1319+50.00 TO STA. 1343+50.00	2,329	0	5,701	3,372	0
-Y28- STA. 15+75.00 TO STA. 31+00.00	1,028	0	1,726	796	98
-Y18RPB- STA. 14+42.23 TO STA. 19+50.00	396	0	1,053	657	0
-Y18- STA. 20+00.00 TO STA. 24+29.04 (BRIDGE)	55	0	110	55	0
<b>SUBTOTAL</b>	<b>3,808</b>	<b>0</b>	<b>8,590</b>	<b>4,880</b>	<b>98</b>
-L- MED STA. 1319+50.00 TO STA. 1343+50.00	1,269	0	186	0	1,083
<b>SUBTOTAL</b>	<b>1,269</b>	<b>0</b>	<b>186</b>	<b>0</b>	<b>1,083</b>
-L- RT STA. 1319+50.00 TO STA. 1343+50.00	9,860	0	1,010	0	8,850
-Y29A- STA. 36+73.54 TO STA. 39+88.01	524	0	574	50	0
-Y18RPC- STA. 13+90.28 TO STA. 20+60.00	6,144	0	15,009	8,865	0
-Y30- STA. 19+00.00 TO STA. 24+22.91	81	0	5,336	5,255	0
<b>SUBTOTAL</b>	<b>16,609</b>	<b>0</b>	<b>21,929</b>	<b>14,170</b>	<b>8,850</b>

**SUMMARY OF EARTHWORK**

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT +%	BORROW	WASTE
-L- LT STA. 1343+50.00 TO STA. 1367+50.00	4,411	0	4,319	0	92
-Y18RPA- STA. 13+21.60 TO STA. 17+50.00	553	0	943	390	0
<b>SUBTOTAL</b>	<b>4,964</b>	<b>0</b>	<b>5,262</b>	<b>390</b>	<b>92</b>
-L- MED STA. 1343+50.00 TO STA. 1367+50.00	2,008	0	15	0	1,993
<b>SUBTOTAL</b>	<b>2,008</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>1,993</b>
-L- RT STA. 1343+50.00 TO STA. 1367+50.00	11,074	0	3,911	0	7,163
-Y18- STA. 26+70.00 (BRIDGE) TO STA. 36+50.00	276	0	12,834	12,558	0
-Y18RPD- STA. 14+23.49 TO STA. 23+32.00	4,520	0	26,979	22,459	0
<b>SUBTOTAL</b>	<b>15,870</b>	<b>0</b>	<b>43,724</b>	<b>35,017</b>	<b>7,163</b>
-L- LT STA. 1367+50.00 TO STA. 1390+66.67 (BRIDGE)	9,321	0	3,363	0	5,959
<b>SUBTOTAL</b>	<b>9,321</b>	<b>0</b>	<b>3,363</b>	<b>0</b>	<b>5,959</b>
-L- MED STA. 1367+50.00 TO STA. 1390+66.67 (BRIDGE)	1,296	0	340	0	956
<b>SUBTOTAL</b>	<b>1,296</b>	<b>0</b>	<b>340</b>	<b>0</b>	<b>956</b>
-L- RT STA. 1367+50.00 TO STA. 1390+66.67 (BRIDGE)	3,112	0	6,443	3,331	0
-Y33- STA. 10+50.00 TO STA. 34+60.00	4,481	1,793	6,406	2,109	1,977
<b>SUBTOTAL</b>	<b>7,593</b>	<b>1,793</b>	<b>12,849</b>	<b>5,440</b>	<b>1,977</b>
-L- LT STA. 1391+72.28 (BRIDGE) TO STA. 1414+50.00	13,170	0	1,128	0	12,043
-Y19RPB- STA. 23+00.00 TO STA. 27+56.26	1,932	0	18	0	1,915
<b>SUBTOTAL</b>	<b>15,102</b>	<b>0</b>	<b>1,146</b>	<b>0</b>	<b>13,958</b>
-L- MED STA. 1391+72.28 (BRIDGE) TO STA. 1414+50.00	3,550	0	41	0	3,509
<b>SUBTOTAL</b>	<b>3,550</b>	<b>0</b>	<b>41</b>	<b>0</b>	<b>3,509</b>
-L- RT STA. 1391+72.28 (BRIDGE) TO STA. 1414+50.00	9,830	0	1,780	0	8,050
-Y33- STA. 34+60.00 TO STA. 45+65.00	1,203	3,437	4,950	4,008	3,698
-Y19RPCA- STA. 13+97.06 TO STA. 18+34.55	2,002	0	361	0	1,641
<b>SUBTOTAL</b>	<b>13,035</b>	<b>3,437</b>	<b>7,091</b>	<b>4,008</b>	<b>13,389</b>
<b>TOTAL</b>	<b>159,777</b>	<b>6,529</b>	<b>219,315</b>	<b>146,844</b>	<b>93,841</b>
MATERIAL FOR SHOULDER CONSTRUCTION			16,788	16,788	
LOSS DUE TO CLEARING & GRUBBING	-16,900			16,900	
UNDERCUT EXCAVATION CONTINGENCY		2,875	3,594	3,594	2,875
SELECT MATERIAL IN LIEU OF BORROW	0	0	-1,900	-1,900	0
WASTE IN LIEU OF BORROW				-80,146	-80,146
<b>PROJECT TOTAL</b>	<b>142,877</b>	<b>9,404</b>	<b>237,797</b>	<b>102,080</b>	<b>16,570</b>
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				5,104	
<b>GRAND TOTAL</b>	<b>142,877</b>	<b>9,404</b>	<b>237,797</b>	<b>107,184</b>	<b>16,570</b>
<b>SAY</b>	<b>143,000</b>	<b>10,000</b>		<b>108,000</b>	
EST. DDE = 15,000 CUBIC YARDS					
PAVEMENT STRUCTURE VOLUME = 126,200 CY					
UNC EXC - ACCEPTABLE, BUT NOT TO BE USED IN					
TOP 3' OF EMBANKMENT OR BACKFILL = 11,200 CY					

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