

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
I-5878 SUMMARY OF QUANTITIES

SUMMARY OF EARTHWORK

LOCATION	UNCLASSIFIED EXCAVATION (CY)	UNDERCUT (CY)	EMBANKMENT +%(CY)	BORROW (CY)	WASTE (CY)
-L- STA 946+00.00 LT TO -L- STA 961+50.00 LT	5,090	0	7,928	2,838	0
-SR9- STA 87+43.44 TO -SR9- STA 92+76.00	2,262	0	433	0	1,829
-SR9A- STA 10+50.00 TO -SR9A- STA 27+50.00	3,256	1,695	5,099	1,843	1,695
SUBTOTAL	10,608	1,695	13,460	4,681	3,524
-L- STA 925+00.00 MED TO -L- STA 946+00.00 MED	1,805	0	0	0	1,805
-L- STA 946+00.00 MED TO -L- STA 961+50.00 MED	853	0	3	0	850
SUBTOTAL	2,658	0	3	0	2,655
-L- STA 946+00.00 RT TO -L- STA 961+50.00 RT	1,556	0	5,738	4,182	0
-Y24- STA 50+00.00 TO -Y24- STA 69+00.00	462	336	9,564	9,402	636
-DRI- STA 10+50.00 TO -DRI- STA 14+00.00	86	0	1,175	1,089	0
SUBTOTAL	2,104	336	16,477	14,673	636
-L- STA 961+50.00 LT TO -L- STA 971+50.00 LT	4,606	0	823	0	3,783
-Y14RBP- STA 14+46.88 TO -Y14RBP- STA 22+85.00	3,474	1,127	20,660	17,186	1,127
-Y14- STA 16+00.00 TO -Y14- STA 24+92.25 (BRIDGE)	38	0	34,981	34,943	0
-DR10- STA 10+50.00 TO -DR10- STA 12+00.00	121	0	134	13	0
SUBTOTAL	8,239	1,127	56,598	52,142	4,910
-L- STA 961+50.00 MED TO -L- STA 971+50.00 MED	617	0	0	0	617
SUBTOTAL	617	0	0	0	617
-L- STA 961+50.00 RT TO -L- STA 971+50.00 RT	2,930	0	883	0	2,047
-Y14RPC- STA 14+37.85 TO -Y14RPC- STA 22+00.00	2,423	0	11,629	9,206	0
SUBTOTAL	5,353	0	12,512	9,206	2,047
-L- STA 971+50.00 LT TO -L- STA 981+00.00 LT	3,015	0	1,013	0	2,002
-SBCD- STA 10+87.44 TO -SBCD- STA 17+69.47	4,869	577	18,275	16,625	3,796
SUBTOTAL	7,884	577	19,288	16,625	5,798
-L- STA 971+50.00 MED TO -L- STA 981+00.00 MED	465	0	3	0	462
SUBTOTAL	465	0	3	0	462
-TEMP_95SB1- 10+00.00 TO -TEMP_95SB1- 23+63.93	2,487	0	439	0	2,048
REMOVE -TEMP_95SB1- 10+00.00 TO -TEMP_95SB1- 23+63.93	351	0	3,109	2,758	0
Y15YEMPRPB- 11+00.00 TO Y15YEMPRPB- 22+55.03	0	0	0	0	0
REMOVE Y15YEMPRPB- 11+00.00 TO Y15YEMPRPB- 22+55.03	0	0	0	0	0
-L- STA 971+50.00 RT TO -L- STA 981+00.00 RT	4,490	0	360	0	4,130
-Y14- STA 27+18.32 (BRIDGE) TO -Y14- STA 44+00.00	2,014	0	34,716	32,702	0
-NBCD- STA 11+10.00 TO -NBCD- STA 23+00.00	2,922	0	26,870	23,948	0
SUBTOTAL	12,264	0	65,494	59,408	6,178
-LREV- STA 981+00.00 LT TO -LREV- STA 1002+27.38 (BRIDGE) LT	2,230	0	39,001	38,179	1,408
-SBCD- STA 17+69.47 TO -SBCD- STA 40+50.0	35,863	8,846	15,611	4,124	33,222
-SR18- STA 10+00.00 TO -SR18- STA 37+00.00	1,370	208	273	0	1,305
SUBTOTAL	39,463	9,054	54,885	42,303	35,935
-LREV- STA 981+00.00 MED TO -LREV- STA 1002+27.38 (BRIDGE) MED	360	0	20,024	19,664	0
SUBTOTAL	360	0	20,024	19,664	0
-LREV- STA 981+00.00 RT TO -LREV- STA 1002+27.38 (BRIDGE) RT	6,246	0	71,605	66,333	974
-NBCD- STA 23+00.00 TO -NBCD- STA 42+50.00	18,447	1,454	2,635	0	17,266
SUBTOTAL	24,693	1,454	74,240	66,333	18,240

SUMMARY OF EARTHWORK

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT +%	BORROW	WASTE
-LREV- STA 1003+31.96 (BRIDGE) LT TO -LREV- STA 1021+98.66 LT	2,995	1,534	12,551	10,647	2,625
-Y15- STA 5+34.00 TO -Y15- STA 28+50.00	4,667	0	1,404	0	3,263
-Y25- STA 10+50.00 TO -Y25- STA 13+50.00	42	0	89	47	0
-Y15RPA- STA 13+30.23 TO -Y15RPA- STA 23+50.00	2,386	2,006	7,314	5,020	2,098
-SR11- STA 10+50.00 TO -SR11- STA 12+00.00	211	521	661	450	521
SUBTOTAL	10,301	4,061	22,019	16,164	8,507
-LREV- STA 1003+31.96 (BRIDGE) MED TO -LREV- STA 1021+98.66 MED	437	0	4,658	4,221	0
SUBTOTAL	437	0	4,658	4,221	0
-LREV- STA 1003+31.96 (BRIDGE) RT TO -LREV- STA 1021+98.66 RT	5,285	0	53,385	50,003	1,903
-Y15- STA 28+50.00 TO -Y15- STA 49+00.00	10,319	0	4,688	0	5,631
-Y15RPD- STA 14+24.37 TO -Y15RPD- STA 28+00.00	12,320	2,392	20,966	15,179	8,925
SUBTOTAL	27,924	2,392	79,039	65,182	16,459
-L- STA 1022+00.00 LT TO -L- STA 1042+00.00 (CULVERT) LT	7,548	0	4,993	0	2,555
-L- STA 1042+00.00 (CULVERT) LT TO -L- STA 1061+63.00 LT	6,573	647	12,176	6,364	1,408
SUBTOTAL	14,121	647	17,169	6,364	3,963
-L- STA 1022+00.00 MED TO -L- STA 1042+00.00 (CULVERT) MED	1,510	0	0	0	1,510
-L- STA 1042+00.00 (CULVERT) MED TO -L- STA 1061+63.00 MED	1,596	0	15	0	1,581
SUBTOTAL	3,106	0	15	0	3,091
-L- STA 1022+00.00 RT TO -L- STA 1042+00.00 (CULVERT) RT	3,909	0	5,963	2,054	0
-L- STA 1042+00.00 (CULVERT) RT TO -L- STA 1061+63.00 RT	8,644	0	4,284	0	4,360
-SR12- STA 10+50.00 TO -SR12- STA 22+81.86	1,265	348	4,826	4,217	1,004
SUBTOTAL	13,818	348	15,073	6,271	5,364
TOTAL	184,415	21,691	470,957	383,237	118,386
MATERIAL FOR SHOULDER CONSTRUCTION			20,738	20,738	
LOSS DUE TO CLEARING & GRUBBING	-17,800			17,800	
UNDERCUT EXCAVATION CONTINGENCY		6,015	7,519	7,519	6,015
SELECT MATERIAL IN LIEU OF BORROW			-27,706	-27,706	
WASTE IN LIEU OF BORROW			-50,122	-50,122	
PROJECT TOTAL	166,615	27,706	471,508	351,466	74,279
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				17,573	
GRAND TOTAL	166,615	27,706	471,508	369,039	74,279
SAY	167,000	28,000		370,000	
EST. DDE = 15,100 CY					
PAVEMENT STRUCTURE VOLUME = 123,930 CY					
UNC EXC - ACCEPTABLE, BUT NOT TO BE USED IN					
TOP 3' OF EMBANKMENT OR BACKFILL = 10,250 CY					

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

WOVEN WIRE FENCE, 47" FABRIC

LINE	STATION TO STATION	LT. OR RT.	A FABRIC L.F.	B END BRACE	C CORNER BRACE	D LINE BRACE	E 4" POSTS	F 5" POSTS
-L & -Y14-	946+00 TO 21+14	LT/RT	2,934.72	2	6	9	183	49
-Y14- & -SBCD-	18+74 TO 22+41	LT	1,202.22	2	2	4	74	22
-SBCD-	34+36 TO 37+75	LT	367.79	2	1	1	21	10
-Y15-	19+21 TO 21+10	RT	186.15	2			11	4
-Y15- & -Y15RPA-	20+75 TO 18+54	LT/RT	719.71	2	3	1	43	16
-L-	1020+00 TO 1042+40	LT	2,276.82	2	3	6	146	31
-L-	1043+14 TO 1063+00	LT	2,019.18	2	2	5	131	25
-L & -Y14-	946+00 TO 34+50	LT/RT	2,465.62	2	2	7	159	31
-Y14- & -Y15-	34+50 TO 37+00	RT/RT	3,701.76	2	4	11	238	49
-Y15- & -L-	37+00 TO 1041+16	LT/RT	4,318.58	1		8	294	26
-L-	1041+80 TO 1063+00	RT	2,140.32	2	2	6	138	28
TOTAL			22,332.87				1438	291
SAY			22,340				1438	291

SUMMARY OF ASPHALT PAVEMENT REMOVAL

LINE	STATION	STATION	LOCATION	LENGTH OR AREA	SQUARE YARDS
-SR9-	73+93	92+75	RT	37967.49	4218.61
-Y14RBP-	14+98	18+50	CL	7050.79	783.42
-L-	946+00	965+30	LT	13830.37	1536.71
-L-	946+00	985+86	CL	31885.39	3542.82
-L-	946+00	965+03	RT	17759.14	1973.24
-Y24-	50+00	59+18	LT	15540.28	1726.70
-Y14RPC-	10+00	20+75	LT/RT	20812.42	2312.49
-Y14RPC-	18+76	21+85	LT	7805.08	867.23
-Y14RBP-	16+21	22+70	RT	18673.40	2074.82
-L-	965+30	978+18	LT	20377.82	2264.20
-L-	965+46	977+72	RT	14667.53	1629.73
-Y14-	17+50	18+50	CL	4390.96	487.88
-Y14-	34+50	41+50	CL	16585.06	1842.78
-L-	978+19	985+86	LT	1359.07	151.01
-L-	977+72	985+86	RT	2923.49	324.83
-SR18-	10+75	24+60	CL	32027.30	3558.59
-LREV-	985+86	989+50	LT	15256.43	1695.16
-LREV-	985+86	990+00	RT	17580.28	1953.36
-LREV-	992+50	1002+24	LT	34404.17	3822.69
-SBCD-	29+46	41+10	RT/LT	33570.50	3730.06
-NBCD-	38+71	42+59	LT	17897.47	1988.61
-LREV-	1003+90	1008+50	LT	15599.45	1733.27
-Y15RPA-	11+52	24+31	LT	33839.62	3759.96
-Y15RPD-	14+20	21+00	LT	17037.93	1893.10
-LREV-	1010+00	1014+88	RT	17401.41	1933.49
-LREV-	1011+00	1014+88	LT	12877.85	1430.87
-SR11-	10+50	37+77	RT	56644.89	6293.88
-LREV-	1016+29	1021+99	LT	5984.73	664.97
-LREV-	1014+88	1021+99	CL	5563.97	618.22
-LREV-	1015+04	1021+99	RT	3345.61	371.73
-L-	1022+00	1061+63	LT	37252.17	4139.13
-L-	1022+00	1061+63	CL	30707.01	3411.89
-L-	1022+00	1061+63	RT	40925.83	4547.31
-TEMP_95SB1-	11+98	17+21	CL	5691.40	632.38
-Y15TEMPRPB-	10+00	21+07	CL	23406.12	2600.68
-Y15TEMPRPB-	21+34	22+55	CL	815.07	90.56
TOTAL					76,606.39
SAY					76,700

SUMMARY OF BREAKING EXISTING PAVEMENT REMOVAL

LINE	STATION	STATION	LOCATION	LENGTH OR AREA	SQUARE YARDS
-Y14RBP-	18+50	20+50	CL	3038.51	337.61
-Y14RPC-	20+75	22+00	LT	2547.19	283.02
-Y14-	18+50	24+68	CL	38989.12	4332.12
-Y14-	27+42	34+50			