

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

SUMMARY OF EARTHWORK
 Volumes in Cubic Yards

STATION TO STATION				Uncl. Excav.	Undercut	Embank +%	Borrow	Waste
L	174+00.00	TO	198+31.37	1777		1387	546	936
RAMPB	0+00.00	TO	14+17.61	6300	800	32182	30954	5872
			SUBTOTAL	8077	800	33569	31500	6808
L	174+00.00	TO	198+31.37	718		993	615	340
			SUBTOTAL	718		993	615	340
L	174+00.00	TO	198+31.37	1704		29		1675
RAMPB	0+00.00	TO	16+09.21	3738	1200	45968	45968	4938
			SUBTOTAL	5442	1200	45967	45968	6613
Y8	13+00.00	TO	26+38.72	44		67289	67245	
Y12	10+00.00	TO	12+00.00	1		143	142	
			SUBTOTAL	45		67432	67387	
Y8	28+42.72	TO	39+00.00	65		48502	48437	
Y10	10+00.00	TO	13+50.00	239		273	34	
			SUBTOTAL	304		48775	48471	
L	198+31.37	TO	219+92.08	1038		223		815
RAMPB	0+00.00	TO	12+66.87	669		42288	42113	494
			SUBTOTAL	1707		42511	42113	1309
L	198+31.37	TO	219+92.08	858		793	240	305
			SUBTOTAL	858		793	240	305
L	198+31.37	TO	219+92.08	3484		138		3346
RAMPD	0+00.00	TO	12+84.34	6375	750	25488	25426	7063
			SUBTOTAL	9859	750	25626	25426	10409
TOTAL				27010	2750	265696	261720	25784
LOSS DUE TO CLEARING AND GRUBBING				-200				200
WASTE TO REPLACE BORROW							-2927	-2927
EST. SHOULDER MATERIAL						4125	4125	
ADDITIONAL UNDERCUT					1000			1000
PROJECT TOTAL				26810	3750	269821	263118	23857
ESTIMATE TO REPLACE TOPSOIL ON BORROW PIT							13156	
GRAND TOTAL				26810	3750	269821	276274	23857
SAY				26900	3750	276300		

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL
 -L- 183+25 - 189+25 (800 CY), RPB 0+00 - 0+95 (250 CY), RPB 4+90 - 5+90 (450 CY), -Y8- 35+75 - 39+35 (65 CY)
 -Y10- 10+15 - 13+50 (200 CY), RPC 5+75 - 6+50 (60 CY)
 PER GEOTECH

WOVEN WIRE FENCE, 47" FABRIC

STATION TO STATION	LOC	FABRIC L.F.	END BRACE	CORNER BRACE	LINE BRACE	4" POSTS	5" POSTS
-L- 178+80 - 180+37	LT	157.00				11	0
RAMPB 11+15 - 12+68	LT	153.00				11	0
-Y8- 20+35 - RAMPB 13+35		227.75		1		15	3
-Y8- 20+40 - RAMPB 8+40		600.00		1		41	3
-Y8- 31+75 - 33+30	LT	156.00		1		10	3
RAMPB 13+70 - -Y8- 34+71		424.00		2		27	6
RAMPB 8+14 - 9+31	RT	423.00				30	0
TOTAL		2140.75				145	15
SAY		2150.00				150	20

ADDITIONAL BARBED WIRE 50 LF

SHOULDER BERM GUTTER SUMMARY

STATION TO STATION							LF
-Y8-	21+50.00	LT	TO	RAMPB	11+65.00	RT	248.00
-Y8-	21+50.00	RT	TO	RAMPB	11+40.00	LT	399.59
-Y8-	24+73.54	RT	TO	-Y8-	26+32.75	RT	159.21
-Y8-	26+00.36	LT	TO	-Y8-	26+37.86	LT	37.50
-Y8-	28+44.75	RT	TO	-Y8-	28+82.25	RT	37.50
-Y8-	28+49.86	LT	TO	RAMPD	11+92.41	RT	233.55
RAMPD	10+50.00	LT	TO	-Y8-	32+40.00	LT	316.78
TOTAL							1432.13
SAY							1440

SUMMARY OF RIP RAP

LINE	STATION	LOCATION	PIPE SIZE	RIP RAP, CLASS I TONS	RIP RAP, CLASS B TONS	GEOTEXTILE FOR DRAINAGE SY
-L-	177+00	LT	15		1	5
-L-	180+53	LT	42	20		39
-L-	182+00	LT	24	4		12
-L-	219+53	RT	30	11		22
RAMPB	11+94	RT	15		1	5
RAMPB	11+50	LT	15		1	5
RAMPB	1+50	RT	24	7		15
RAMPD	10+64	LT	15		2	7
RAMPD	11+54	RT	15		1	5
-Y8-	21+54	RT	15		2	7
-Y8-	21+54	LT	15		2	7
-Y8-	24+90	RT	15		1	5
-Y8-	26+12	RT	15		1	5
-Y8-	28+80	RT	15		1	5
-Y8-	32+35	LT	15		2	7
-Y8-	32+37	RT	30	11		22
-Y10-	10+41	LT	18		3	10
FROM EROSION CONTROL						450
TOTAL				53	18	633

DRAINAGE DITCH EXCAVATION

STATION TO STATION					CY
-L-	178+87	TO	180+50	LT	107
-L-	180+50	TO	182+00	LT	214
-L-	182+00	TO	183+00	RT	121
RAMPD	9+50	TO	12+00	LT	92
-Y8-	17+65	TO	22+00	LT	232
-Y8-	17+80	TO	22+00	RT	304
-Y8-	32+00	TO	35+50	LT	107
-Y8-	32+36	TO	35+93	RT	165
TOTAL					1342
SAY					1350

PARCEL INDEX

PARCEL NO.	SHEET NO.	PROPERTY OWNERS NAMES
1	4	BURL J. MITCHELL
2	5,6&9	KENNETH LEE COX, et als
3	5,6&8	KENNETH LEE COX, et als
4	6&8	LLOYD MACON MASSEY, et als
5	8	NCNG CORP.
6	6&9	ROSE MARIE GREENFIELD
7	9	LINDA H. MCBRIDE
8	9	LINDA H. MCBRIDE
9	9	SAINT MATHEW PRESBYTERIAN CHURCH
10	9	SANDRA FAYE SMITH
11	9	FAITH PRESBYTERIAN CHURCH

REMOVAL OF EXISTING ASPHALT PAVEMENT

STATION TO STATION					SY
-L-	193+41	TO	197+83	RT	422
-L-	197+31	TO	197+83	LT	54
-L-	198+80	TO	204+39	LT	496
-L-	197+28	TO	202+69	LT	677
-L-	196+08	TO	198+95	RT	625
-Y8-	17+50	TO	18+50	CL	423
-Y8-	34+50	TO	35+50	CL	276
-Y10-	10+14	TO	11+19	RT	242
TOTAL					3215
SAY					3220

BREAKING OF EXISTING ASPHALT PAVEMENT

STATION TO STATION					SY
-Y8-	18+50	TO	26+15	CL	2385
-Y8-	28+55	TO	34+50	CL	1777
TOTAL					4162
SAY					4170

MILLING ASPHALT PAVEMENT, 1.5" DEPTH

STATION TO STATION					SY
-L-	175+47.20	TO	219+92.08	RT	14433
-L-	175+47.20	TO	219+92.08	LT	14689
TOTAL					29122
SAY					29130