

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

**SUMMARY OF EARTHWORK
 IN CUBIC YARDS**

STATION	STATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT +%	BORROW	WASTE
-L- LT 50+50.00	80+00.00	22,845		2,954		19,891
-L- RT 50+50.00	80+00.00	3,460		12,733	9,273	
-L- MED 50+50.00	80+00.00	376		1,772	1,396	
-Y4- 10+39.00	12+08.63	66		48		18
	SUBTOTAL	26,747		17,507	10,669	19,909
-L- LT 80+00.00	110+00.00	1,385		3,751	2,366	
-L- RT 80+00.00	110+00.00	7,794		8,331	537	
-L- MED 80+00.00	110+00.00	330		1,681	1,351	
-Y5- 11+45.35	13+11.31	21		56	35	
	SUBTOTAL	9,530		13,819	4,289	
-L- LT 110+00.00	140+00.00	4,001		2,780		1,221
-L- RT 110+00.00	140+00.00	2,428		9,404	6,976	
-L- MED 110+00.00	140+00.00	192		1,665	1,473	
-Y6- 10+55.85	11+42.82	21		1		20
	SUBTOTAL	6,642		13,850	8,449	1,241
-L- LT 140+00.00	170+00.00	2,533		4,394	1,861	
-L- RT 140+00.00	170+00.00	13,455		2,469		10,986
-L- MED 140+00.00	170+00.00	62		1,111	1,049	
-Y7- 10+28.29	12+75.39	89		116	27	
	SUBTOTAL	16,139		8,090	2,937	10,986
-L- LT 170+00.00	188+63.29	220		10,020	9,800	
-L- RT 170+00.00	188+63.29	329		9,482	9,153	
-L- MED 170+00.00	188+63.29	222		1,740	1,518	
-Y10- 10+51.00	25+50.00	1,153		2,757	1,604	
-Y11- 10+42.00	13+53.59	7		7,616	7,609	
-Y11- 14+34.74	19+27.63	731		693		38
	SUBTOTAL	2,662		32,308	29,684	38
	TOTAL	61,720		85,574	56,028	32,174
MATERIAL FOR SHOULDER CONSTRUCTION				5,060	5,060	
LOSS DUE TO CLEARING & GRUBBING		-20,000			20,000	
UNSUITABLE MATERIAL		1,700				1,700
WASTE IN LIEU OF BORROW					-32,174	-32,174
PROJECT TOTAL		43,420		90,634	48,914	1,700
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					2,446	
GRAND TOTAL		43,420			51,360	
SAY		43,500			51,500	

EST. DDE = 2,078 CY
 EST. 1,700 CY OF UNCLASSIFIED EXCAVATION UNSUITABLE WASTE PER GEOTECH RECOMMENDATION
 EST. 3,500 CY AS CONTINGENCY OF UNDERCUT PER GEOTECH RECOMMENDATION
 EST. 3,500 CY OF SELECT GRANULAR MATERIAL TO REPLACE UNDERCUT PER GEOTECH RECOMMENDATION
 EST. 1,900 CY AS CONTINGENCY OF SHALLOW UNDERCUT PER GEOTECH RECOMMENDATION
 EST. 3,800 TONS OF CLASS IV SUBGRADE STABILIZATION TO REPLACE SHALLOW UNDERCUT PER GEOTECH RECOMMENDATIONS

NOTE: Earthwork quantities are calculated by the Roadway Designer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

**SUMMARY OF REMOVAL
 EXISTING ASPHALT PAVEMENT**

LINE	STATION	STATION	LOCATION	SQUARE YARDS
L	59+62.42	66+42.00	MED	1,261.48
L	68+02.00	73+88.00	MED	1,638.59
L	75+48.00	87+35.06	MED	2,116.30
L	90+55.06	108+05.87	MED	3,678.85
L	110+98.88	119+21.70	MED	1,092.26
L	122+12.76	128+58.65	MED	619.08
L	130+26.47	136+21.00	MED	1,662.43
L	137+80.98	144+92.78	MED	790.95
L	147+79.02	153+74.69	MED	367.19
L	156+52.59	161+99.47	MED	326.74
L	164+95.71	170+05.19	MED	227.77
L	172+20.00	174+30.76	MED	179.51
L	178+29.87	178+65.21	LT	123.64
L	182+60.24	183+59.70	MED	41.67
L	172+48.22	177+16.86	LT	1,159.70
Y10	19+60.45	21+73.06	LT	870.76
L	177+61.00	191+50.43	RT	371.11
TEMPORARY PAVEMENT REMOVAL				
L	169+10.00	170+60.00	LT	116.10
L	172+20.00	173+95.00	LT/RT	194.81
L	167+11.00	171+01.00	LT	510.60
L	171+95.70	176+42.00	LT	905.41
TOTAL				18,254.93
SAY				18,260

**SUMMARY OF
 SHOULDER BERM GUTTER**

LINE	STATION	STATION	SIDE	LENGTH
L	50+39.67	50+99.86	LT	60.17
L	61+00.00	67+00.00	RT	599.18
L	62+00.00	64+50.00	LT	250.31
L	87+99.41	95+50.00	LT	771.06
L	95+30.70	97+65.00	RT	234.30
L	108+50.00	111+50.58	RT	326.57
L	109+51.63	111+50.00	LT	208.65
L	177+00.88	188+63.29	RT	1,160.63
TOTAL (FT)				3,610.87
SAY				3,620

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