

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**SUMMARY OF EARTHWORK  
 IN CUBIC YARDS**

STATION	STATION	UNCL. EXCAV.	EMBANK.	BORROW	WASTE
<b>PHASE I</b>					
-L- 11+30.00	-L- 20+65.00	855	1,586	731	
-Y1A- LT 10+23.86	-Y1A- LT 17+82.26	287	7,691	7,404	
-Y1A- RT 10+50.00	-Y1A- RT 11+50.00	82	2,272	2,190	
-Y1B- 10+74.58	-Y1B- 16+20.00	1,169	10,690	9,521	
<b>SUBTOTALS:</b>		2,393	22,239	19,846	
-Y3A- 10+10.00	-Y3A- 12+38.81	97	47		50
-Y3B- 10+24.65	-Y3B- 11+62.00	45	46	1	
Y8- 10+10.59	-Y8- 11+90.00	568	36		532
-DRIVEI- 10+25.00	-DRIVEI- 11+52.87	133	76		57
-RA1- 10+00.00	-RA1- 13+76.70	42	12,719	12,677	
<b>SUBTOTALS:</b>		885	12,923	12,678	639
<b>PHASE II</b>					
-Y1A- RT 11+50.00	-Y1A- RT 17+82.26	257	1,500	1,243	
-Y1B- RT 10+74.58	-Y1B- RT 16+20.00	1,075	10,601	9,526	
-Y2- 10+91.85	-Y2- 19+53.79	9,923	957		8,966
-Y4- 10+80.00	-Y4- 11+77.03	68	1,198	1,130	
<b>SUBTOTALS:</b>		11,323	14,255	11,899	9,416
-Y6- 11+75.00	-Y6- 13+26.09	120	135	15	
-Y7- LT 10+89.45	-Y7- LT 11+50.00	3	9	6	
-Y7- RT 10+89.45	-Y7- RT 12+00.00	31	400	369	
-RA1- 12+48.15	-RA1- 13+53.95		987	987	
-RA2- 10+00.00	-RA2- 13+76.70	2,287	616		1,671
<b>SUBTOTALS:</b>		2,441	2,147	1,365	1,671
<b>PHASE IIIA</b>					
-Y7- LT 12+00.00	-Y7- LT 12+30.00	16	10		6
-DRIVEI- 10+25.00	-DRIVEI- 11+52.87	-133	-76	57	
<b>PHASE IIIB</b>					
-Y7- RT 12+00	-Y7- RT 12+30.00	58	309	251	
<b>SUBTOTALS:</b>		-59	212	308	6
<b>TOTALS:</b>		16,983	51,807	46,096	11,282
WASTE IN LIEU OF BORROW				-11,282	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				1,741	
<b>GRAND TOTALS:</b>		17,433	51,807	36,553	
<b>SAY:</b>		17,500		36,600	

Est. Shallow Undercut = 1,100 CY CONTINGENCY  
 Est. Select Granular Material = 400 CY CONTINGENCY  
 Est. Undercut Excavation = 450 CY CONTINGENCY

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

Approximate quantities only. Unclassified excavation, fine grading clearing and grubbing, removal of existing pavement, removal of existing concrete and breaking of existing pavement will be paid for at the lump sum price for "Grading".

**ASPHALT PAVEMENT REMOVAL SUMMARY**

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD <sup>2</sup>
-L-	11+30.00	14+28.54	LT	74.22
-L-	11+30.00	14+11.77	RT	69.30
-L-	14+68.64	17+88.30	LT	81.04
-L-	14+73.66	17+28.50	RT	283.11
-L-	17+90.41	20+65.00	RT	61.46
-L-	18+27.30	20+65.00	LT	56.90
-RA1-	12+48.15	13+56.17	RT	374.90
-RA2-	11+32.94	13+46.11	LT/RT	340.18
-Y1A-	11+02.49	11+40.22	RT	10.99
-Y1A-	11+89.15	11+90.74	RT	6.22
-Y1A-	11+95.60	12+64.79	RT	43.84
-Y1A-	12+65.46	12+73.25	RT	5.58
-Y1A-	13+06.93	13+12.54	RT	7.70
-Y1A-	13+18.92	13+49.14	RT	19.26
-Y1A-	13+75.97	15+10.25	RT	130.94
-Y1A-	15+27.40	17+82.26	RT	795.08
-Y1B-	10+00.00	16+54.12	RT	1519.29
-Y2-	10+76.58	19+03.72	LT/RT	2132.32
-Y2-	15+05.05	16+81.62	LT	89.85
-Y2-	15+99.69	16+38.17	RT	25.73
-Y2-	16+58.50	17+63.33	RT	32.26
-Y2-	17+80.95	19+03.72	RT	32.64
-Y3A-	10+10.00	11+16.23	RT	23.50
-Y3A-	11+20.26	11+84.75	LT	6.42
-Y3A-	12+03.17	12+30.41	LT	6.32
-Y3A-	12+11.82	12+51.25	RT	8.80
-Y3B-	10+17.59	11+62.00	LT	38.53
-Y3B-	10+35.55	10+84.29	RT	14.66
-Y3B-	10+97.48	10+99.47	RT	0.75
-Y3B-	10+99.58	11+62.00	RT	13.63
-Y4-	10+80.00	11+92.25	LT/RT	456.77
-Y6-	11+75.00	11+94.60	LT	5.65
-Y6-	11+75.00	11+94.46	RT	5.82
-Y6-	12+44.42	13+37.86	RT	66.94
-Y6-	12+60.57	14+01.40	LT	93.49
-Y7-	10+88.27	12+30.00	RT	32.17
-Y7-	11+19.04	11+73.39	LT	24.10
-Y7-	11+76.13	12+30.00	LT	19.05
-Y8-	10+03.64	10+52.68	LT/RT	214.53
-DRIVEI-	10+25.00	11+19.13	LT	122.76
-DRIVEI-	10+25.00	11+16.39	RT	122.69
<b>TOTAL:</b>				7,469.41
<b>SAY:</b>				7,470

**SUMMARY OF BREAKING  
 EXISTING ASPHALT PAVEMENT**

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD <sup>2</sup>
-Y1A-	17+01	17+23	CL	2.43
-Y1A-	17+25	17+47	CL	2.44
-Y1A-	17+49	17+82	CL	3.68
-Y1B-	10+75	12+92	CL	24.21
-Y1B-	14+13	14+39	CL	2.81
-Y5-	10+90	12+20	CL	14.45
-RA1-	10+00	13+77	CL	41.87
<b>TOTAL:</b>				91.90
<b>SAY:</b>				100

**SUMMARY OF EXISTING  
 CONCRETE PAVEMENT REMOVAL**

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD <sup>2</sup>
-L-	11+52	12+40	RT	19.49
-Y6-	11+94	12+51	CL	230.04
<b>TOTAL:</b>				249.53
<b>SAY:</b>				250