

EARTHWORK SUMMARY

IN CUBIC YARDS

* PAVEMENT STRUCTURE VOLUME 13,550 cu yds
 ** FOR ALTERNATE PAVEMENT DESIGN 9,100 cu yds

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
SUMMARY #1 (LEFT SIDE)					
Sta. 13+50.00 to 15+55.95 (Bridge) -LALT-	74		679	605	
Sta. 11+00.00 to 14+80.05 -R1-	203		1285	1082	
SUMMARY #1 TOTAL	277		1964	1687	
SUMMARY #2 (LEFT SIDE)					
17+36.20 (Bridge) to 46+50.00 -LALT-	21009		3332		17677
Sta. 10+31.00 to 13+60.00 -R3-	83		1255	1172	
Sta. 9+99.63 to 12+06.62 -Y3-	149		185	36	
Sta. 10+00.00 to 12+68.53 -Y3A-	142		170	28	
Sta. 12+00.00 to 16+27.05 (Bridge) -Y-	153		598	445	
Sta. 11+00.00 to 12+40.92 -Y1-	141		25		116
Sta. 10+16.47 to 12+45.00 -Y4-	33		77	44	
Sta. 9+89.71 to 11+55.00 -Y6-	378		16		362
Sta. 9+93.63 to 13+89.00 -Y8-	389		41		348
Sta. 10+10.69 to 14+00.00 -Y10-	243		72		171
Sta. 10+29.77 to 14+20.00 -Y12-	85		94	9	
SUMMARY #2 TOTAL	22805		5864	1733	18674
SUMMARY #3 (LEFT SIDE)					
Sta. 46+50.00 to 66+10.00 -LALT-	6023		965		5058
Sta. 10+39.75 to 11+40.00 -Y14-	274				274
Sta. 10+36.07 to 11+85.00 -Y16-	244		5		239
Sta. 10+20.00 to 13+49.29 -Y18-(Intersection)	2267		48		2219
Sta. 10+25.00 to 10+84.92 -Y20-	66		10		56
Sta. 12+55.00 to 13+80.42 -Y22-(Intersection)	61		40		21
SUMMARY #3 TOTAL	8935		1066		7868
SUMMARY #4 (RIGHT SIDE)					
Sta. 13+50.00 to 15+55+95 -LALT-(Bridge)	54		578	524	
Sta. 10+60.37 to 11+00.00 -R2-	12		16	4	
SUMMARY #4 TOTAL	66		594	528	

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
SUMMARY #5 (RIGHT SIDE)					
Sta. 17+36.20 (Bridge) to 46+50.00 -LALT-	10309		775		9534
Sta. 10+52.68 to 12+30.00 -R4-	7		241	234	
Sta. 10+31.43 to 11+50.00 -R5-	157				157
Sta. 17+84.55 (Bridge) to 24+50.00 -Y-	511		4712	4201	
Sta. 10+49.52 to 11+00.00 -Y2-	69		6		63
Sta. 10+52.26 to 11+55.00 -Y5-	404		2		402
Sta. 10+76.58 to 12+50.00 -Y7-	466		2		464
Sta. 10+72.37 to 11+35.00 -Y9-	75		4		71
Sta. 10+55.37 to 10+90.00 -Y11-	18		2		16
Sta. 10+62.00 to 11+22.00 -Y13-	153		4		149
SUMMARY #5 TOTAL	12169		5749	4435	10,855
SUMMARY #6 (RIGHT SIDE)					
Sta. 46+50.00 to 66+10.00 -LALT-	3259		1405		1854
Sta. 10+27.50 to 16+20.00 -Y15-	327		894	567	
Sta. 10+17.00 to 10+80.00 -Y15A-	47		7		40
Sta. 10+29.99 to 11+45.00 -Y17-	45		154	109	
Sta. 14+15.34(Intersect.) to 17+83.00 -Y18-	207		203		4
Sta. 10+33.05 to 11+25.00 -Y21-	119		5		114
Sta. 14+46.43(Intersect.) to 18+40.00 -Y22-	176		72		104
SUMMARY #6 TOTAL	4180		2739	675	2116
SUMMARY #7					
DETOUR RAIL-LINE	2882		101		2781
FINAL RAIL-LINE	5873		50		5823
SUMMARY #7 TOTAL	8755		151		8604
SUMMARY TOTALS					
	57,187		18,127	9058	48,117
WASTE IN LIEU OF BORROW				-9058	-9058
GRAND TOTAL	57,187		18,127		39,059
SAY 60000					
EARTHWORK TOTALS FOR ALTERNATE PAVT DESIGN					
SUMMARY TOTAL	57,187		18,127	9058	48,117
ADJ. FOR ALT. PAV'T DESIGN	-3350		2574	5924	
WASTE IN LIEU OF BORROW				-14,982	-14,982
PROJECT TOTALS					
	53,837		20,701		33,135
TOTAL	53,837				
SAY	55000				

CONTINGENCY UNDERCUT = 1,950 CY
 CONTINGENCY SHALLOW UNDERCUT = 1000 CY
 SHALLOW UNDERCUT BY STATION = 450 CY
 TOTAL SHALLOW UNDERCUT = 1450 CY
 GEOTEXTILE FOR SOIL STABILIZATION = 5,100 SY
 SELECT GRANULAR MATERIAL = 750 CY
 CLASS IV SUBGRADE STABILIZATION = 2,800 TONS

NOTE: 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.

Note: "Quantities are approximate only. The Resident Engineer will re-cross-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."