



**SUMMARY OF EARTHWORK**  
**IN CUBIC YARDS**

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBANKMENT +%	BORROW	TOTAL WASTE	LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT EXCAVATION	EMBANKMENT +%	BORROW	TOTAL WASTE
<b>AREA I</b>						<b>SECTION 6 (PHASE II)</b>					
<b>SECTION 1 (PHASES I AND II)</b>						-Y6- 12+60.00 TO 16+50.00 (LT) 94 125 31					
-L- 28+50.00 TO 49+11.45 (LT) 2675 5113 2438						-Y7- 11+76.00 TO 13+32.79 (RT) 20 155 135					
-Y8- 11+18.00 TO 12+84.88 330						-DETSB- 22+50.00 TO 27+17.88 14 11112 11098					
-Y2RPB- 10+41.83 TO 15+83.50 95						SUBTOTAL (SECTION 6) 128 11392 11264					
-Y9- 18+52.00 TO 19+24.48 115						<b>SECTION 7 (PHASES III THRU V)</b>					
SUBTOTAL (SECTION 1) 3215 5576 2791 430						-DETNB- 10+72.89 TO 19+78.79 569 4523 3954					
<b>SECTION 2 (PHASES I AND II)</b>						-DETNB- 21+13.79 TO 28+90.13 485 3450 2965					
-L- 28+50.00 TO 41+51.75 (RT) 2472 120 2352						-L- 16+00.00 TO 21+39.41 (RT) 1784 758 1026					
-FLYOVER- 24+14.15 TO 24+84.08 (TEMP) 51						-L- 22+74.41 TO 28+50.00 (RT) 1330 930 400					
-FLYOVER- 15+20.00 TO 19+19.50 2713 3984 2671 1400						-Y1- 19+00.00 TO 22+97.00 (LT) 1635 79 1556					
-FLYOVER- 21+76.69 TO 25+76.00 144						-YIRPD- 11+04.56 TO 16+85.76 5901 53 5848					
-Y2RPA- 16+57.00 TO 18+38.40 203						-DR2- 10+20.02 TO 11+29.00 302 26 276					
-SBL- 10+00.00 TO 13+94.25 490						SUBTOTAL (SECTION 7) 12006 9819 6919 9106					
SUBTOTAL (SECTION 2) 6073 10239 8502 4336						<b>SECTION 8 (PHASES VI AND VII)</b>					
<b>SECTION 3 (PHASES III AND IV)</b>						-L- 17+50.00 TO 21+39.41 (MED) 115 131 16					
-FLYOVER- 10+58.08 TO 15+20.00 460 450 10						-L- 22+74.41 TO 26+00.00 (MED) 95 83 12					
-Y2LPC- 10+00.00 TO 12+70.48 1354 18 1336						-L- 10+21.00 TO 17+50.00 (MED) 346 112 234					
-L- 47+50.00 TO 53+06.00 (MED) 201 156 45						-L- 15+00.00 TO 21+39.41 (LT) 358 329 784 426 329					
-NBL- 10+00.00 TO 13+92.47 819 121 698						-L- 22+74.41 TO 28+50.00 (LT) 119 869 3044 2925 869					
-L- 41+51.75 TO 49+11.15 (RT) 1071 364 707						-L- 26+00.00 TO 28+50.00 (MED) 95 71 24					
-G1- 10+06.00 TO 15+16.72 2575 182 2393						SUBTOTAL (SECTION 8) 1128 1198 4225 3367 1468					
-L- 28+50.00 TO 47+50.00 (MED) 577 640 63						SUBTOTAL (AREA II) 28330 1198 49590 43501 23439					
SUBTOTAL (SECTION 3) 7057 1931 63 5189						EARTH WASTE TO REPLACE BORROW -22241 -22241					
<b>AREA I</b>						SELECT GRANULAR MATERIAL TO REPLACE BORROW -1198 -1198					
SUBTOTAL (AREA I) 16345 17746 11356 9955						TOTAL (AREA II) 28330 1198 48392 20062 1198					
EARTH WASTE TO REPLACE BORROW (PHASES I & II) -3429 -3429						ADDITIONAL UNDERCUT 2000 2400 2400 2000					
<b>AREA II</b>						<b>PROJECT TOTALS</b> 44675 3198 68538 30389 9724					
<b>SECTION 4 (PHASE I)</b>						EST 5% FOR REPLACING TOPSOIL ON BORROW PITS 1519					
-L- 10+21.00 TO 15+00.00 (LT) 749 49 700						<b>GRAND TOTALS</b> 44675 3198 68538 30389 9724					
-Y3- 10+03.00 TO 12+95.00 121 35 86						SAY 44700 32000					
-DETSB- 12+68.04 TO 19+97.46 265 12791 12526						PAVEMENT STRUCTURE VOLUME = 16590 CY					
-DETSB- 21+32.46 TO 22+50.00 188 5184 5184						EST SHALLOW UNDERCUT BY STATIONS 1818 CY					
-Y5- 10+18.00 TO 13+65.23 188 2744 2556						EST SHALLOW UNDERCUT CONTINGENCY 5000 CY					
-DR1- 10+45.00 TO 11+10.90 34 520 486						TOTAL SHALLOW UNDERCUT 6818 CY					
-Y6- 12+60.00 TO 16+50.00 (RT) 151 89 62						CLASS IV SUBGRADE STABILIZATION 13800 TONS					
-Y6- 16+50.00 TO 19+58.46 364 732 368						SELECT GRANULAR MATERIAL 4400 CY					
-Y7- 11+76.00 TO 13+32.79 (LT) 81 175 94											
-Y1- 12+39.84 TO 15+78.55 (TEMP) 120 4 116											
-Y1- 12+15.00 TO 19+00.00 (LT) 711 1448 737											
SUBTOTAL (SECTION 4) 2784 23771 21951 964											
<b>SECTION 5 (PHASE I)</b>											
-L- 10+21.00 TO 16+00.00 (RT) 801 4 797											
-YIRPC- 11+72.25 TO 18+74.21 8075 5 8070											
-Y4- 10+12.05 TO 11+27.00 760											
-Y1- 12+15.00 TO 22+97.00 (RT) 2648 374 2274											
SUBTOTAL (SECTION 5) 12284 383 11901											

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.

5/28/99 3/02/2016