

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
PHASE 1					
FROM -LTIEIN- 1132+30 TO -LTIEIN- 1141+50	1,267		48		1,219
FROM -L- 1141+50 LT TO -L- 1160+00 LT	7,716		3,373		4,343
FROM -L- 1184+00 LT TO -L- 1214+00 LT	4,113		3,934		179
FROM -L- 1214+00 LT TO -L- 1244+00 LT	3,016		3,150	134	
FROM -L- 1244+00 LT TO -L- 1274+00 LT	7,991		2,760		5,231
FROM -L- 1274+00 LT TO -L- 1284+33 LT	14,441		175		14,266
FROM -L- 1286+50 LT TO -L- 1304+00 LT	10,463		7		10,456
FROM -L- 1304+00 LT TO -L- 1329+67.03 LT	6,302		1,896		4,406
FROM -L- 1185+00 RT TO -L- 1215+00 RT	19,935		1,866		18,069
FROM -L- 1215+00 RT TO -L- 1245+00 RT	2,069		2,626	557	
FROM -L- 1245+00 RT TO -L- 1259+00 RT	316		3,636	3,320	
FROM -L- 1289+00 RT TO -L- 1319+00 RT	11,516		1,136		10,380
FROM -L- 1319+00 RT TO -L- 1329+67.03 RT	3,270		74		3,196
FROM -DETOUR- 10+00.00 TO -DETOUR- 35+15.70	17,002		3,984		13,018
FROM -RAMPD- 11+45 TO -RAMPD- 12+50	109		547	438	
FROM -Y2- 10+00 TO -Y2- 13+00	133		268	135	
FROM -Y3- 10+00 TO -Y3- 11+00	283		226		57
SUBTOTAL	109,942		29,706	4,583	84,819
PHASE 2					
FROM -L- 1141+50 RT TO 1145+50 RT	123		356	233	
FROM -L- 1160+00 LT TO 1184+00 LT	6,421		12,726	6,305	
SUBTOTAL	6,544		13,082	6,538	
PHASE 3 (INCLUDES DETOUR REMOVAL)					
FROM -L- 1143+50 RT TO -L 1173+50 RT	10,867		11,348	481	
FROM -L- 1173+50 RT TO -L 1185+50 RT	9,032		3,425		5,607
FROM -L- 1284+33 LT TO -L- 1286+50 LT	3,322		0		3,322
FROM -Y- 10+00 TO -Y2- 11+75	164		52		112
FROM -Y1 10+00 TO -Y1- 13+50	711		4		707
FROM -Y4- 10+00 TO -Y4- 12+50	1,874		0		1,874
SUBTOTAL	25,970		14,828	481	11,623
PHASE 4					
FROM -L- 1144+50 (MED) TO -L- 1166+50 (MED)	243		2,104	1,861	
FROM -L- 1259+00 RT TO -L- 1266+00 RT	369		1,094	725	
FROM -L- 1280+00 RT TO -L- 1289+00 RT	12,941		7		12,934
FROM -Y3- 11+75 TO -Y3- 16+00 **	2,142		116		2,026
SUBTOTAL	15,695		3,321	2,586	14,959
TOTAL	158,151		60,937	14,188	111,401
LOSS DUE TO CLEAR & GRUB.	-4,033				-4,033
WASTE IN LIEU OF BORROW				-14,188	-14,188
GRAND TOTAL	154,118		60,937	0	93,180
SAY	160,000				
-L- PAVEMENT STRUCTURE VOLUME = 22,100 CY					
NOTE: VOLUMES REFLECT ABC PAVEMENT DESIGN.					
EST. DDE 3500 CY					
EST. SHOULDER BORROW 8,400 CY					
EST. UNDERCUT 4250 CY (PER GEOTECH)					
EST. SHALLOW UNDERCUT 333 CY (PER GEOTECH)					
EST. CLASS IV SUBGRADE STABILIZATION 632 TONS (PER GEOTECH)					
EST. SELECT GRANULAR MATERIAL 6250 CY (PER GEOTECH)					
** EARTHWORK RUN FROM -Y3- 11+75 TO -Y3- 16+00 INCLUDES -RAMPD- STA. 10+00 TO -RAMPD- 11+45					

EARTHWORK TOTALS FOR ALTERNATE PAVEMENT DESIGN					
LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY TOTALS	158,151		60,937	14,188	111,401
ADJ. FOR ALT PAVEMENT DESIGN	-14,218		-286	3,932	-9,999
ADJUSTED TOTALS	143,933		60,651	18,120	101,402
LOSS DUE TO CLEAR & GRUB.	-4,033				-4,033
WASTE IN LIEU OF BORROW				-18,120	-18,120
GRAND TOTAL	139,900		60,651	0	79,249
SAY	145,000				
-L- PAVEMENT STRUCTURE VOLUME = 13,500 CY					
EST. SHOULDER BORROW 7,000 CY					

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: Note: Approximate quantities only. Unclassified Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, Removal of Existing Asphalt Pavement, and Removal of Existing Concrete Pavement will be paid for at the contract lump sum price for "Grading."

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