

Appendix AUndisturbed Samples

Undisturbed "Shelby" tube samples were taken at the following locations to provide data relative to in situ soil strength.

<u>Sample No.</u>	<u>Location</u>	<u>Depth</u>	<u>Test Performed</u>
ST-1	4+85, CL,-RP-B	8.20-8.80 m	Triaxial CU
ST-2	70+20, CL, -L-	1.40-1.99 m	Triaxial CU
ST-3	65+03,4m LT, -L-	2.00-2.61 m	Triaxial CU
ST-5	19+60, CL, -Y11-REV	4.40-5.01 m	Triaxial CU
ST-6	24+70, CL, -Y11-REV	0.15-0.76 m	Triaxial CU and Consolidation
ST-7	1+20, CL, -RP-A	2.50-2.92 m	Consolidation
ST-8	1+20, CL, -RP-A	3.11-3.72 m	Triaxial CU
ST-9	103+60, CL, -L-RT	4.00-4.61 m	Triaxial CU
ST-10	105+60, CL, -L-LT	5.00-5.61 m	Triaxial CU
ST-13	96+80, CL, -L-LT	2.10-2.80 m	Triaxial CU
ST-14	81+40, CL, -L-	2.23-2.84 m	Consolidation
ST-15	84+40, 22m RT, -L-	1.60-2.21 m	Triaxial CU and Consolidation

Bulk Samples

The following bulk samples were taken for tests to determine the engineering properties of the soil.

<u>Sample No.</u>	<u>Location</u>	<u>Depth</u>	<u>Test Performed</u>
RT-1	4+85, CL, -RP-B	1.22-3.91 m	Recompacted Triaxial CU
RT-2	70+20, CL, -L-	1.30-3.07 m	Recompacted Triaxial CU
RT-3	65+03, 4m LT, -L-	0.50-2.70 m	Recompacted Triaxial CU
RT-4	59+40, CL, -L-	1.07-2.90 m	Recompacted Triaxial CU
RT-5	19+60, CL, -Y11-REV	3.80-5.31 m	Recompacted Triaxial CU
RT-6	103+60, CL, -L-RT	4.20-5.26 m	Recompacted Triaxial CU
RT-7	105+60, CL, -L-LT	6.00-8.00 m	Recompacted Triaxial CU
CBR-1	70+20, CL, -L-	3.20-4.30 m	California Bearing Ratio
CBR-4	59+40, CL, -L-	5.25-7.00 m	California Bearing Ratio
CBR-5	4+20, 20m LT, -RP-B	15.00-16.38 m	California Bearing Ratio
CBR-6	19+60, CL, -Y11-REV	6.60-8.73 m	California Bearing Ratio
CBR-7	103+60, CL, -L-RT	7.23-10.20 m	California Bearing Ratio
CBR-8	105+60, CL, -L-LT	0.10-2.70 m	California Bearing Ratio

This Inventory Addendum addresses four culverts on the above referenced project at -L- Sta. 84+17.50, -L- Sta. 92+23.50, -Y11- REV Sta. 24+48.77 and -Y11- REV Sta. 25+01.77. Borings performed during the roadway investigation at the culvert locations in May and October of 2000 were referenced for culvert foundation material.

Culvert at -L- Sta. 84+17.50

This culvert consists of a 93 meter long RCBC with a 50 degree skew on an unnamed tributary of Little Creek. Approximately 10 meters of fill will overlie the culvert. Soils underlying the culvert consist of approximately 0.5 meters of Alluvial, gray, moist to wet, soft, sandy silt (A-4). The alluvial silt is underlain by Coastal Plain, gray, moist to wet, very loose, silty sand (A-2-4) and Residual, brown, moist to wet, soft, sandy silt (A-5).

Culvert at -L- Sta. 92+23.50

This culvert consists of a 60 meter long RCBC with an 82 degree skew on an unnamed tributary of Little Creek. Approximately 3 meters of fill will overlie the culvert. Soils underlying the culvert consist of 1.0 to 1.5 meters of Alluvial, red-brown, moist to wet, very soft, sandy silt (A-4). The alluvial silt is underlain by Residual, gray, wet, very soft to medium stiff, sandy silt (A-5).

Culvert at -Y11- REV Sta. 24+48.77

This culvert consists of a 30 meter long RCBC with a 138 degree skew on an unnamed tributary of Little Creek. Approximately 2 meters of fill will overlie the culvert. Soils underlying the culvert consist of approximately 2.3 meters of Alluvial, gray and brown, wet, very soft, sandy silt (A-4) and very loose, silty sand (A-2-4). The alluvial soils are underlain by Residual, tan, wet, soft, sandy silt (A-4).

Culvert at -Y11- REV Sta. 25+01.77

This culvert consists of a 23 meter long RCBC with a 61 degree, 50 minute skew on an unnamed tributary of Little Creek. Approximately 2 meters of fill will overlie the culvert. Soils underlying the culvert consist of approximately 0.5 meters of Alluvial, brown, dry to moist, loose, silty sand (A-2-4). The alluvial soils are underlain by Residual, tan, moist, loose to medium dense, silty sand (A-2-4).