
APPENDIX B

Laboratory Tests

Moisture Content (ASTM D2216) and Unit Weight determinations (ASTM D2937) were performed on selected soil samples as an aid in the classification and evaluation of soil properties. The test results are presented on the Logs of Borings at the appropriate sample depths.

Ten Atterberg Limits tests (ASTM D4318) were performed on selected soil samples to evaluate the liquid and plastic limits and to aid in soil classification. Test results are summarized on the Logs of Borings at the appropriate sample depths. The test results are provided on Plate B-1.

Five Direct Shear tests (ASTM D3080) were performed on selected samples to evaluate the shear strength characteristics of the materials tested. The test results are presented on Plates B-2 through B-6.

Seven Unconsolidated Undrained Triaxial Compression tests (ASTM D2850) were performed on selected soil samples to evaluate the undrained shear strength of the soils. The undrained shear strength test results along with the shear stress-strain curves are presented on Plates B-7 through B-13.

Two Uniaxial Compression tests (ASTM D7012, Method C) were performed on selected core samples to evaluate the unconfined compressive strength of the basalt rock encountered. The test results are presented on Plate B-14.