

very poor quality. Coring was advanced in good rock from 11.19 meters to termination at 14.09 meters.

Bent Two (B2)

This bent straddles the south bank of the river. The Left Side of the bent lies in the river channel; the Right Side lies on the flood plain beside the bank.

An auger boring was made on the Left Side (B2-A) located on the flood plain approximately 4.2 meters forward of the bent position. Very dense saprolite was found beneath approximately 2 meters of alluvial, bouldery sand and gravel. Weathered rock was encountered at 3.0 meters and hard rock at 3.2 meters. The auger was able to penetrate below the rock line with hard drilling to a depth of 4.04 meters.

A core boring on the Right Side (B2-B) penetrated alluvial, bouldery sand and gravel overlying medium dense saprolite at 1.93 meters. Weathered rock with hard rock seams was found at 3.5 meters. Coring was begun on hard rock at 5.59 meters and was carried to termination at 12.10 meters. The rock was highly variable in quality, consisting of short intervals of very poor to very good rock.

Bent Three (B3)

This bent is located on the floodplain approximately 7 meters south of the riverbank at its nearest point.

A boring on the Left Side (B3-A) found dense saprolite at a depth of 2.38 meters beneath alluvial sand and gravel. Weathered rock was encountered at 4.0 meters, and SPT values indicated hard rock beginning at 7.5 meters. The casing advancer continued through hard rock to 9.93 meters, where coring was begun. Poor to fair quality hard rock was recovered from 9.93 meters to termination at 16.15 meters.

A boring on the Right Side (B3-B) penetrated 3 meters of alluvial, bouldery sand and gravel and found about a half meter each of very dense saprolite and weathered rock overlying hard rock. Hard rock was cored from 4.15 meters to a total depth of 10.77 meters. Rock quality varied from poor to fair.

End Bent Two (EB2)

This bent is located on the flood plain, with its Left Side approximately 15 meters south of the riverbank and its Right Side approximately 5 meters from the existing road.

A boring on the Left Side (EB2-A) found 2.64 meters of alluvial sand and gravel overlying medium dense to dense saprolite. The boring was terminated in dense saprolite at a depth of 4.46 meters.

A boring on the Right Side (EB2-B) found 2.07 meters of alluvial sand and gravel overlying very dense saprolite. Weathered rock was encountered at 2.85 meters. The boring continued in weathered rock to the hard rock line at 9.06 meters.

Respectfully submitted,



Louis L. Acker, LG
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