

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 2

Date 11/26/07

ROUTE FAP 325 DESCRIPTION Illinois Route 16 over Baum Branch Creek - Proposed SN 042-0041 LOGGED BY SCI

SECTION 3BR-2 LOCATION Richwood Township - SW Quarter of, SEC. 28, TWP. 8N, RNG. 13W

COUNTY Jersey DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Existing 042-0006 Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	DEPTH H	BLOW S	UCS Qu	MOIST T
					Surface Water Elev. 409.0 ft				
					Stream Bed Elev. 407.8 ft				
					Groundwater Elev.:				
					First Encounter 423.0 ft				
					Upon Completion 430.2 ft				
					After - Hrs. -				
					Ground Surface Elev. 451.5 ft				
					ASPHALT - 3.5 inches 451.2				
					CONCRETE - 9 inches 450.5				
					FILL: Brown, low plastic sandy clay (A-6) NO RECOVERY - Auger cuttings collected and classification and moisture content test are based on cuttings.				
					Hard to auger from 2.5 to 3.5 feet - possible cobbles or rubble				
					SILTY CLAY: Brown, low plastic (A-6)				
					SILT: Brown and gray, low plastic with intermittent deposits of brown, fine sand (A-4)				
					Becomes brown and clayey				
					Poor recovery				
					SAND: Brown, fine to coarse, trace rock fragments (A-1)				
					SILTY CLAY: Brown and gray, low plastic, some sand (A-4)				
					CLAY: Reddish brown, high plastic, some rock fragments (A-7)				
					SAND: Brown, fine to coarse, trace rock fragments (A-1)				
					SHALE: Tan				
					Refusal on shale at 53 feet				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 2 of 2

Date 11/26/07

ROUTE FAP 325 DESCRIPTION Illinois Route 16 over Baum Branch Creek - Proposed SN 042-0041 LOGGED BY SCI

SECTION 3BR-2 LOCATION Richwood Township - SW Quarter of, SEC. 28, TWP. 8N, RNG. 13W

COUNTY Jersey DRILLING METHOD CME 75 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Existing 042-0006 Station	DEPTH H	BLOW S	UCS Qu	MOIST T	Description	DEPTH H	BLOW S	UCS Qu	MOIST T
					Surface Water Elev. 409.0 ft				
					Stream Bed Elev. 407.8 ft				
					Groundwater Elev.:				
					First Encounter 423.0 ft				
					Upon Completion 430.2 ft				
					After - Hrs. -				
					Ground Surface Elev. 451.5 ft				
					SILTY CLAY: Reddish brown and brown, low plastic (A-6) (continued)				
					NO RECOVERY				
					CLAY: Reddish brown and gray, high plastic, some sand, some rock fragments (A-7)				
					Poor recovery				
					SAND: Brown, fine to coarse, trace rock fragments (A-1)				
					SHALE: Tan				
					Refusal on shale at 53 feet				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

DESIGNED	K.M.M.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SOIL BORING LOGS

SHEET NO. 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	61
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					