

042004L76B01.21.BORG.DGN AUG. 20, 2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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

SOIL BORING LOG

Page 1 of 2

Date 11/27/07

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. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H S	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev.		D E P T H S		U C S Qu	M O I S T (%)
						ft	(ft)	(ft)	(ft)		
Existing 042-0006	B-2 120+22 9 ft LL					409.0	407.8				
ASPHALT - 12 inches	450.6										
FILL: Brown, low plastic silty clay (A-6)	448.6	3	1.9	20							
FILL: Brown, low plastic clayey silt, some sand (A-4)	445.1	1	0.7	23							
SAND: Brown, fine to coarse, trace to some rock fragments (A-1)	444.6	4	0.5	14							
SILTY CLAY: Brown, low plastic, some sand (A-4)	443.8	5									
SAND: Brown, fine to coarse, trace to some silt, clay, rock fragments (A-1)	441.1	6									
CLAYEY SAND: Brown, fine to coarse, some rock fragments (A-2)	438.6	5		11							
SANDY CLAY: Brown and gray, low plastic (A-4)	436.1	1	0.3	25							
CLAYEY SAND: Brown, fine to coarse, some rock fragments (A-2)		3		22							
		5		14							
		18								2.0	23
		13								P	

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)



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						ft	(ft)	(ft)	(ft)		
Existing 042-0006	B-2 120+22 9 ft LL					409.0	407.8				
CLAY: Brown, high plastic, some sand (A-7) (continued)	410.6										
CLAYEY GRAVEL: Brown, some sand (A-2)											
Poor recovery		5		17							
		9									
		11									
GRAVEL: Tan, some clay, sand (A-1)	404.6										
		4									
		8									
		8									
SHALE: Tan	400.1			12							
Refusal on shale at 52 feet.	399.6										
		50/3*									
		50/1*									

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

SOIL BORING LOGS

SHEET NO. 21	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	325	3BR-2	JERSEY	90	62
21 SHEETS	S.N. 042-0041		CONTRACT NO. 76B01		
FED. ROAD DIST. NO. <u> </u> ILLINOIS FED. AID PROJECT					

H.M. & G. INC. 6020.III