



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

Date 9/12/07

ROUTE FAP 316 DESCRIPTION P92-108-07 IL 26 Bridge over a ditch, 4 m. S. of Amboy Road LOGGED BY W. Garza

SECTION 102 BR-5 & 6 LOCATION Marion Twp. - 21 SE, SEC., TWP. 20N, RNG. 9E

COUNTY Lee DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station 420+57
BORING NO. B-2a Station 421+00 Offset 54.00ft Lt CL Ground Surface Elev. 97.10 ft

Surface Water Elev. 85.00 ft
Stream Bed Elev. 84.00 ft
Groundwater Elev.: First Encounter 79.6 ft Upon Completion Wash ft After Hrs. ft

DEPTH (ft)	SOIL DESCRIPTION	U.C.S. (tsf)	M.O.S.T. (%)	DEPTH (ft)	SOIL DESCRIPTION	U.C.S. (tsf)	M.O.S.T. (%)
0	DRY brown SANDY LOAM		8.0	7	STIFF gray SILTY CLAY LOAM TILL	7	
94.60	STIFF brown SANDY LOAM	3		10		1.4	13.0
		2	1.0	7		P	
92.60		3	S	73.10	STIFF gray SILTY CLAY LOAM TILL	4	1.4
						6	B
90.60	LOOSE tan fine SAND	2		70.80	VERY STIFF gray LOAM TILL	4	
		3				5	2.5
		4				8	B
87.60	MEDIUM tan fine SAND	6		68.10	VERY STIFF gray LOAM TILL	5	
		6				6	3.5
		9				10	B
85.60	VERY SOFT gray SILT	2	0.2	65.80	VERY STIFF gray LOAM TILL	5	
		4	P			7	2.7
						11	B
82.60	MEDIUM gray SILT with SAND lens	1		63.10	MEDIUM gray LOAM TILL	3	0.7
		4	0.5			5	B
		5	P				
80.10	MEDIUM gray medium moist SAND	7		60.60	VERY DENSE gray CLAY LOAM TILL with big GRAVEL	26	
		10				58	8.0
		13				42	
78.10	STIFF gray SILTY CLAY LOAM TILL	2				23	
		2	1.1			19	7.2
		5	B			24	B

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



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DEPTH (ft)	SOIL DESCRIPTION	U.C.S. (tsf)	M.O.S.T. (%)
11	MEDIUM gray SAND & GRAVEL		
14			
55.60		13	
28	Wash DENSE gray clean medium coarse SAND		
20			
53.10		17	
46	Wash DENSE gray clean medium coarse SAND		
18			
19			
50.60		25	
23	Wash DENSE gray clean medium coarse SAND with medium GRAVEL		
21			
48.10		19	
50	Wash Same as above		
22			
21			
45.60	End of Boring		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Boring Elev. Correction to Project Datum:
Boring Elev. 100.00 = Project Elev. 700.10



FILE NAME = 0520080-64057.DGN	DESIGNED - J.A.M.	REVISED -
USER NAME = S.A.P.	CHECKED - A.R.K.	REVISED -
PLOT SCALE =	DRAWN - S.A.P.	REVISED -
PLOT DATE = 08/10/11	CHECKED - J.A.M. & A.R.K.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 052-0080

SHEET NO. 32 OF 32 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	102BR-5	LEE	216	133
CONTRACT NO. 64057			ILLINOIS FED. AID PROJECT	