

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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

SOIL BORING LOG

Page 1 of 2

Date 9/27/06

ROUTE IL 70 DESCRIPTION P92-062-07 Bridge over Otter Creek, .8 m. N. of IL 75 LOGGED BY W. Garza

SECTION (W-1-15D)BR LOCATION Durand Twp. - 15NE, SEC. , TWP. 28N, RNG. 10E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO.	STATION	DEPTH (ft)	DESCRIPTION	SOIL TYPE	BLOWS	UNIFIED CLASSIFICATION	WATER ELEV. (ft)
101-0086	62+66		7.5" Asphalt, 8" Concrete				
		0.6	MEDIUM brown SILTY CLAY LOAM	P	17.0		756.70
		2.0	MEDIUM brown SILTY CLAY	P			
		4.0	MEDIUM brown SILTY CLAY	P	21.0		
		8.0	MEDIUM dark brown SILTY CLAY LOAM	P			
		12.0	SOFT dark gray SANDY LOAM	P	34.0		
		16.0	MEDIUM gray SILTY CLAY with dirty SAND lens	P	26.0		
		20.0	MEDIUM gray dirty SAND & GRAVEL	P			
		24.0	MEDIUM gray LOAM TILL	P			
		28.0	MEDIUM gray SILTY CLAY LOAM TILL	P	12.0		

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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STRUCT. NO.	STATION	DEPTH (ft)	DESCRIPTION	SOIL TYPE	BLOWS	UNIFIED CLASSIFICATION	WATER ELEV. (ft)
101-0086	62+66		MEDIUM gray LOAM TILL	P	10.0		756.70
		2.0	VERY DENSE gray SILTY LOAM TILL	P	18.0		
		4.0	VERY DENSE gray SILTY LOAM TILL	P			
		8.0	VERY DENSE gray SILTY LOAM TILL	P	10.0/10.5"		
		12.0	STIFF gray SILTY LOAM with fine SAND lens	P	17.0		
		16.0	HARD gray CLAY LOAM	P	21.0		
		20.0	HARD gray CLAY LOAM with SILT lens	P	20.0		
		24.0	MEDIUM gray fine SAND	P			
		28.0	MEDIUM gray fine SAND	P			
		32.0	DENSE gray SAND & GRAVEL	P			

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)

DESIGNED MMH
CHECKED RAD
DRAWN R.VEJAR
CHECKED RAD

HOH
ENGINEERS, INC.
55 E. Jackson Blvd.
Chicago, Illinois 60604
312.348.8131
PROJECT # 2945

SOIL BORINGS - SHEET 2
STRUCTURE NO. 101-0191

SHEET NO. 21	F.A.S. RTE. 55	SECTION (W-1-15d)BR-1	COUNTY WINNEBAGO	TOTAL SHEETS 59	SHEET NO. 41
21 SHEETS		CONTRACT NO. 64D22		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	