

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 3

Date 3/16/05

ROUTE FAI 80 DESCRIPTION P92-038-03 I-80 bridge over Negro Creek, 1.75 m. E. of IL 89 LOGGED BY W. Garza
SECTION 06-7B-1R&06-7VB LOCATION Hall Twp. - 17 NW, SEC. , TWP. 16N, RNG. 11E
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	
MEDIUM brown SILTY CLAY LOAM	1758+70			0.8 P	20	560.0	558.5	592.2				
STIFF brown SILTY CLAY LOAM	645.20	4	4	1.6 B								
VERY STIFF dark brown/gray CLAY LOAM	643.70	5	5	3.7 B	19							
STIFF brown LOAM	641.20	5	5	1.8 B	11							
VERY STIFF brown SANDY LOAM	638.70	4	6	2.3 S	12							
VERY STIFF gray SILTY CLAY LOAM	636.20	9	9	2.7 P	22							
VERY STIFF brown SANDY LOAM	633.70	11	11	4.0 P	11							
HARD dark brown SILTY CLAY LOAM	631.20	3	7	4.1 P	11							
	628.70	10	10	4.1 B	20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
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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		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	
VERY STIFF gray LOAM	1758+70			2.3 P	20	560.0	558.5	592.2				
STIFF gray SILTY CLAY LOAM with ORGANICS	606.20	3	6	1.1 S	23							
STIFF dark gray SILTY CLAY LOAM with SAND lens	603.70	4	9	1.2 B	23							
MEDIUM gray dirty fine SAND, very moist	600.70	2	6									
MEDIUM gray dirty medium SAND with GRAVEL, very moist	598.70	5	10									
HARD gray SILTY CLAY TILL	595.70	3	5	4.1 B	13							
HARD gray SILTY CLAY TILL	593.70	11	11	4.3 B	13							
HARD gray SILTY CLAY LOAM TILL	591.20	5	8	5.0 B	12							

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DESIGNED
CHECKED
DRAWN MAU
CHECKED AD

BORING LOGS - 5
STRUCTURE NO. 006-0174 (EB)
STRUCTURE NO. 006-0175 (WB)

SHEET NO. 38	F.A. RTE. 80	SECTION *	COUNTY BUREAU	TOTAL SHEETS 344	SHEET NO. 236
39 SHEETS	FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 66908		

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