



Illinois Department of Transportation
Division of Highways
ILINORDOT

SOIL BORING LOG

Page 1 of 1

Date 1/4/12

ROUTE IL 47 (FAP 326) DESCRIPTION IL 47 over Tributary to Saratoga Creek, 1.9 Miles North of I-89 (WG 144) LOGGED BY Larry Myers

SECTION 110-110-B LOCATION NE 1/4, SEC. 21, TWP. 34N, RNG. 7E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 032-2501 (Exist.)
032-2537 (Prop.)
Station 6098+24 (Prop.)

BORING NO. 1
Station 6098+02
Offset 33.00ft Lt
Ground Surface Elev. 558.38 ft

Description	Elev. (ft)	D (ft)	B (ft)	U (tsf)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev.: First Encounter (ft)	Upon Completion (ft)	After (ft)	D (ft)	B (ft)	U (tsf)	M (%)
Augered Shoulder Stone, Black Silty Clay Loam Fill											18	20		14.4
											20	29		
Stiff Black Silty Clay Loam Topsoil Fill	555.86	2	3	1.5	25.4						15	20		9.3
		2	3	P							20	25		
Very Stiff Gray & Brown Silty Clay Loam Till	553.36	2	2	2.0	13.7						14	28		9.4
		4	4	P							26	32		
Hard Gray Silty Loam Till - Brittle	551.36	8	13	4.5	9.4					530.86				
		14	14	P										
Hard Gray Silty Clay Loam Till with Layers of Gray Clay & Silt with Sand Layers at 16'	548.86	6	7	4.7	19.7									
		9	9	S										
		12	7	4.7	15.2									
		8	8	S										
		5	7	4.1	21.7									
		10	10	S										
Dense Gray Fine to Coarse Sand with Free Water & Gravel at 23'	541.36	12	21											
		31	31		11.5									

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



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Date 1/4/12

ROUTE IL 47 (FAP 326) DESCRIPTION IL 47 over Tributary to Saratoga Creek, 1.9 Miles North of I-89 (WG 144) LOGGED BY Larry Myers

SECTION 110-110-B LOCATION NW 1/4, SEC. 22, TWP. 34N, RNG. 7E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 032-2501 (Exist.)
032-2537 (Prop.)
Station 6098+24 (Prop.)

BORING NO. 2
Station 6098+43
Offset 26.00ft Rt
Ground Surface Elev. 558.53 ft

Description	Elev. (ft)	D (ft)	B (ft)	U (tsf)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev.: First Encounter (ft)	Upon Completion (ft)	After (ft)	D (ft)	B (ft)	U (tsf)	M (%)
Augered White Shoulder Stone & Black Silty Clay Loam Fill											14	21		18.1
											21	27		
Stiff to Very Stiff Black Silty Clay Loam Fill	556.03	3	3	2.0	30.1						12	27		14.8
		4	4	P							27	28		
Stiff to Very Stiff Brown & Gray Silty Clay Loam Till with Sand Layers	553.53	3	2	1.5	20.3						10	20		27.1
		3	3	P							20	21		
Hard Gray Silty Loam Till	551.53	9	12	8.1	9.8					531.03				
		15	15	S										
Very Stiff to Hard Gray Silt, Clay & Silty Clay Loam Till Layers	548.53	5	7	3.0	14.6									
		9	9	P										
		6	9	4.7	19.4									
		11	11	S										
		5	9	2.5	21.5									
		14	14	P										
Dense Gray Fine to Coarse Sand with some Fine to Coarse Gravel & Free Water	541.53	10	16											
		23	23		15.4									

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

REVISED -	USER NAME =	DESIGNED - PSS
REVISED -	FILE NAME =	CHECKED - VPT
REVISED -	PLOT SCALE =	DRAWN - AUF
REVISED -	PLOT DATE =	CHECKED - VPT



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
STRUCTURE NO. 032-2537

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110)R, BR & BR-1	GRUNDY	644	326
CONTRACT NO. 66B83				

SHEET NO. 5 OF 5 SHEETS

ILLINOIS FED. AID PROJECT