

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering  
805 Amherst Court, Suite 204  
Naperville, Illinois 60565  
(630) 365-1939

**SOIL BORING LOG**

PAGE 1 of 2  
DATE 6/12/2012  
LOGGED BY JK  
GSI JOB No. 09174

ROUTE FAP 353 (US 30) DESCRIPTION US Route 30 @ EJ&E/CN Railroad, IDOT Job No. D-91-046-12  
SECTION 11-Y-A LOCATION SEC 20 & 29, T 35 N, R 15 E, 3rd PM  
COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. ---  
Station ---  
BORING NO. **RW-37**  
Station 277+80  
Offset 45.6' Left  
Ground Surface Elev. 629.7

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	Surface Water Elev.		Stream Bed Elev.		DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)
				(ft)	(in)	(ft)	(in)				
4.0				n/a		n/a					
4.0" SANDY TOPSOIL-black											
10								4			
CLAY LOAM-dark brown & gray-medium dense (FIII)											
10								5			
11								8	1.5P		21
626.7											
6		96						4			
7								6			
5	9	4.1B	23					25	7	2.5P	21
624.2											
SILTY CLAY-Loam-gray-stiff to very stiff (A-4/A-6)											
2								4			
2								4			
3		NP	17					6			22
LOAM-gray-loose to medium dense (A-4)											
5								3		100	
6								4			
10	8	NP	22					30	5	0.7B	25
597.7											
6											
10											
7		NP	21								
616.7											
4								3			
5								4			
15	5	NP	22					35	10	NP	24
592.7											
SANDY LOAM-gray-medium dense (A-2)											
3											
5											
7		NP	22								
611.7											
4		100						8			
5								11			
20	7	0.7B	22					40	13	NP	21

End Of Boring @ -50.0'  
Hollow Stem Augers To -10.0'  
Rotary Drilling To Completion  
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulge, (S)-Shear, (P)-Penetrometer, (ST)-Shelby Tube Sample, (VS)-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
NR-No Recovery

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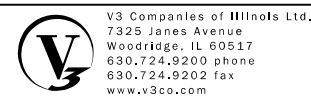
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				(ft)	(in)	(ft)	(in)				
SAND-gray-medium dense to dense (A-3)											
11											
15											
45	16	NP	20								
679.7 - 50.36 NP 21											
19											
25											
36		NP	21								
-70											
End Of Boring @ -50.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer											
-80											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulge, (S)-Shear, (P)-Penetrometer, (ST)-Shelby Tube Sample, (VS)-Vane Shear Test  
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USER NAME =	DESIGNED - WJV	REVISED
PLOT SCALE =	CHECKED - CJB	REVISED
PLOT DATE =	DRAWN - WJV	REVISED
	CHECKED - CJB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
STRUCTURE NO. 016-1415  
SHEET NO. 3 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	283
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				