

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering  
805 Amherst Court, Suite 204  
Naperville, Illinois 60565  
(630) 353-2838

**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-39**  
Station 277+80  
Offset 30.6' Right  
Ground Surface Elev. 633.4

DEPTH (ft)	BULGE (%)	UCS (tsf)	M.O.S.T. (%)	SOIL DESCRIPTION				DEPTH (ft)	BULGE (%)	UCS (tsf)	M.O.S.T. (%)
				DEPTH (ft)	BULGE (%)	UCS (tsf)	M.O.S.T. (%)				
3.0	AS	-	5	3.0" SANDY TOPSOIL-black							
6				CRUSHED STONE-medium dense (Fill)							
8											
11	NP	4		SILTY CLAY LOAM-gray-medium dense (A-4)				610.4			
3				CLAY LOAM-dark brown & black-stiff (Fill)							
3											
5	3	1.75P	23	SILTY CLAY-gray-very stiff (A-6)				607.9			
3				SILTY CLAY-brown & gray-very stiff (A-6) Possible Fill							
5											
7	2.08	29		SILTY CLAY LOAM-gray-stiff (A-4/A-6)							
2				SANDY CLAY LOAM-brown & gray-loose to medium dense (A-2/A-4) Possible Fill							
2											
10	2		21	SAND-gray-medium dense (A-3)				601.4			
8											
9											
11	NP	22		SANDY LOAM-gray-medium dense (A-2)							
4											
4											
15	6	NP	15	SILTY LOAM-gray-medium dense (A-4)							
3											
7											
8											
20	5		20	SILTY CLAY LOAM-gray-medium dense (A-4)				596.4			
3											
8											
10											
15	NP	21		SANDY LOAM-gray-medium dense (A-2)							

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 T208) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
NR-No Recovery

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				DEPTH (ft)	BULGE (%)	UCS (tsf)	M.O.S.T. (%)				
6				SANDY LOAM-gray-medium dense (A-2)							
8											
11	NP	18		SAND-gray-medium dense (A-3)				591.4			
9											
10											
14	NP	18		SAND-gray-medium dense (A-3)							
9											
11											
11	NP	18		SAND-gray-medium dense (A-3)				583.4			
9											
11											
11	NP	18		SAND-gray-medium dense (A-3)							
9											
11											
11	NP	18		SAND-gray-medium dense (A-3)							
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11	NP	18		SAND-gray-medium dense (A-3)							
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