

Geo Services, Inc. SOIL BORING LOG PAGE 2 of 2  
 Geotechnical, Environmental & Civil Engineering  
 805 Amherst Court, Suite 204  
 Naperville, Illinois 60563  
 (630) 355-2838

DATE 2/7/2012  
 LOGGED BY DR  
 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. 016-1279  
 Station ---  
 BORING NO. RW-10  
 Station 275+75  
 Offset 47.0' Left  
 Ground Surface Elev. 629.6

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elevation (ft)	First Encounter Upon Completion (Hrs)	After (Hrs)	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)
4				n/a	n/a	n/a			4			
5									5			
-45	5	NP	16						-65	15	NP	17
SAND-gray-medium dense (A-3)												
6									6			
-50	7	NP	23						-70	23	NP	20
SAND & GRAVEL-gray-dense (A-1)												
10									10			
-55	18	NP	25						-75	27	NP	21
SILTY LOAM-gray-dense (A-4)												
10									10			
-60	15	NP	22						-80			
End Of Boring @ -75.0 Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10.0' Of 4.0" Casing Used 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 T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)  
 NR-No Recovery

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DATE 6/11/2012  
 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-17  
 Station 273+60  
 Offset 34.6' Right  
 Ground Surface Elev. 630.6

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elevation (ft)	First Encounter Upon Completion (Hrs)	After (Hrs)	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)
12.0				n/a	n/a	n/a			12.0			
12.0" CONCRETE												
31									31			
35									35			
30		NP	5						30		NP	22
ASPHALT & STONE-very dense (Fill)												
4									4			
4									4			
-5	5	1.6B	19						-25	16	NP	18
SANDY CLAY LOAM-brown & gray-loose to medium dense (A-2/A-6)												
5									5			
6									6			
6									6			
-10	7	NP	17						-30	10	NP	22
SANDY LOAM-gray-medium dense (A-2)												
4									4			
5									5			
8		2.0P	24						8		2.0P	24
SANDY LOAM-gray-medium dense (A-2)												
4									4			
6									6			
-15	8	1.4B	22						-35	7	1.1B	23
SILTY CLAY LOAM-gray-stiff to very stiff (A-4/A-6)												
4									4			
7									7			
8									8			
-20	7	NP	28						-40	20	NP	18
SAND-gray-medium dense (A-3)												
5									5			
6									6			
-20	7	NP	28						-40	20	NP	18
SAND-gray-medium dense (A-3)												

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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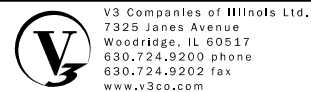
DATE 6/11/2012  
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DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elevation (ft)	First Encounter Upon Completion (Hrs)	After (Hrs)	DEPTH (ft)	BULGE (in)	UCS (tsf)	MOIST (%)
				n/a	n/a	n/a						
SAND-gray-dense (A-3)												
4									4			
6									6			
-45	9	NP	17						-65			
SANDY LOAM-gray-dense (A-2)												
11									11			
15									15			
-50	19	NP	19						-70			
SANDY LOAM-gray-dense (A-2)												
11									11			
14									14			
-55	19	NP	20						-75			
SANDY LOAM-gray-dense (A-2)												
12									12			
17									17			
-60	21	NP	21						-80			
End Of Boring @ -60.0' 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  
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USER NAME =	DESIGNED - EVS	REVISED
PLOT SCALE =	CHECKED - WJV	REVISED
PLOT DATE =	DRAWN - EVS	REVISED
	CHECKED - WJV	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
 STRUCTURE NO. 016-1279

SHEET NO. 32 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	252
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				