

Geo Services, Inc. SOIL BORING LOG PAGE 1 of 1
 Geotechnical, Environmental & Civil Engineering DATE 3/15/2012
 305 Arsenal Court, Suite 204 LOGGED BY MD
 Naperville, Illinois 60563
 (830) 355-1838

JOB NUMBER P-91-186-06 GSI JOB No. 08015
 ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)
 SECTION -- LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. --
 Station --
 BORING NO. LTB-09
 Station: 1280+51
 Offset: 154.0' Left
 Ground Surface Elev. 814.0

DEPTH T H (ft)	B L O W S (lb)	U C S (ksf)	M O S (%)	SOIL DESCRIPTION				DEPTH T H (ft)	B L O W S (lb)	U C S (ksf)	M O S (%)
				Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter				
				CLAY LOAM-gray-hard (A-6)	592.5						
15.0'	3			ASPHALT	812.9						
	3										
	5		15								
	2		117	Fine SAND-gray-dense to very dense (A-2/A-3)							
	5										
	5	4.8B	15	CLAY to CLAY LOAM-brown & gray-hard (A-6) Fill							
	3		114								
	6										
	5	6.5B	18								
	3		115								
	5			SAND-gray-very dense (A-3)	598.0						
	5										
	10	6.2B	16								
	3		116								
	5			End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer	594.0						
	3		88								
	5										
	7	3.25B	24	CLAY-brown & gray-very stiff to hard (A-6)							
	3		104								
	4										
	15	4.25B	22								
	4										
	16										
	19	4.5+P	10	CLAY LOAM-gray-hard (A-6)							
	17		128								
	19	8.05B									
	20	10.6B	11								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SB-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 (ASTM D208) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
 NR-No Recovery

Geo Services, Inc. SOIL BORING LOG PAGE 1 of 1
 Geotechnical, Environmental & Civil Engineering DATE 2/28/2012
 305 Arsenal Court, Suite 204 LOGGED BY MD
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 (830) 355-1838

JOB NUMBER P-91-186-06 GSI JOB No. 08015
 ROUTE I-294 & I-57 DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)
 SECTION -- LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM
 COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Safety

STRUCT. NO. --
 Station --
 BORING NO. LTB-10
 Station: 1280+50
 Offset: 209.5' Right
 Ground Surface Elev. 806.6

DEPTH T H (ft)	B L O W S (lb)	U C S (ksf)	M O S (%)	SOIL DESCRIPTION				DEPTH T H (ft)	B L O W S (lb)	U C S (ksf)	M O S (%)
				Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter				
				CLAY LOAM-gray-hard (A-6)	592.5						
				TOPSOIL-black	805.6						
	4										
	4		15	CLAY LOAM-dark brown, gray & black-very stiff (A-6) Fill							
	4	3.0P	16								
	10										
	22			SANDY LOAM-brown & gray-dense (A-2)	598.6						
	5										
	25	NP	10								
	10										
	18			Fine SAND-gray-dense (A-2/A-3)	591.7						
	21	NP	11								
	14										
	20										
	22	NP	2	SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-1)	596.6						
	10										
	21	NP	20								
	13										
	19										
	21	NP	20	SAND-gray-dense (A-3)	576.6						
	12										
	17										
	21	NP	24								
	13										
	16										
	20	NP	18								

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 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D208) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
 NR-No Recovery

TYLIN INTERNATIONAL	USER NAME -	DESIGNED -	REVISED -
	DRAWN -	REVISIONS -	
	PLOT SCALE -	CHECKED -	REVISED -
	PLOT DATE -	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
 BORING LOG 5

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	577e
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				