

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 305 Arroyo Court, Suite 204 Naperville, Illinois 60563 (830) 355-1830		SOIL BORING LOG		PAGE 1 of 1	
ROUTE I-294 & I-57		DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)		DATE 3/01/2012	
SECTION --		LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM		LOGGED BY MD	
COUNTY Cook		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE Diedrich Safety	
STRUCT. NO. -- Station --		Surface Water Elev. <u>n/a</u> Stream Bed Elev. <u>n/a</u>		D E P T H (ft)	
BORING NO. <u>LTB-01</u> Station: <u>1291+70</u> Offset: <u>145.0' Left</u> Ground Surface Elev. <u>808.2</u>		Groundwater Elevation: First Encounter <u>584.7</u> ∇ Upon Completion <u>588.2</u> ∇ After _____ Hrs. ∇		B L U C M O S I T H W S Qu T (ft) /6" (pcf) (%)	
Clayey TOPSOIL—dark brown to black 807.2		SILT—gray—very dense (A-4) 587.7			
CLAY LOAM—dark brown, gray & black—very stiff to hard (A-6) Fill 802.7		SILTY LOAM to LOAM—gray—very dense (A-4) 584.7			
SILTY CLAY—brown & gray—very stiff (A-6) 800.2		SAND—gray—medium dense to dense (A-3) 580.7			
SILT—gray—medium dense (A-4) 597.7		End Of Boring @ -27.5' Hollow Stem Augers Diedrich Safety Hammer			
SILTY LOAM—gray—very dense (A-4) 585.2					
FRACTURED ROCK—gray—very dense (A-1) 592.7					
CLAY LOAM—gray—hard (A-6) 580.2					
SILT—gray—very dense (A-4) 580.2					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SD=Blow, 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 D206) The Unit Dry Weight (pcf) is noted in *italics* above moist (%)
NR=No Recovery

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ROUTE I-294 & I-57		DESCRIPTION I-57 & I-294 Interchange Improvements (PTB 146, Item 1)		DATE 2/29/2012	
SECTION --		LOCATION SEC 12, T 36 N, R 13 E, SE 1/4, 3rd PM		LOGGED BY MD	
COUNTY Cook		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE Diedrich Safety	
STRUCT. NO. -- Station --		Surface Water Elev. <u>n/a</u> Stream Bed Elev. <u>n/a</u>		D E P T H (ft)	
BORING NO. <u>LTB-02</u> Station: <u>1291+74</u> Offset: <u>155.5' Right</u> Ground Surface Elev. <u>808.4</u>		Groundwater Elevation: First Encounter <u>589.9</u> ∇ Upon Completion <u>589.4</u> ∇ After _____ Hrs. ∇		B L U C M O S I T H W S Qu T (ft) /6" (pcf) (%)	
Clayey TOPSOIL—dark brown to black 807.4		SILT—gray—very dense (A-4) 587.7			
CLAY LOAM—brown & gray—very stiff to hard (A-6) Fill 802.9		SILTY LOAM to LOAM—gray—very dense (A-4) 584.7			
CLAY LOAM—brown & gray—very stiff (A-6) 800.4		SAND—gray—medium dense to dense (A-3) 580.7			
SILT—gray—medium dense (A-4) 597.9		End Of Boring @ -30.0' Hollow Stem Augers Diedrich Safety Hammer			
SILTY LOAM—gray—very dense (A-4) 585.2					
FRACTURED ROCK—gray—very dense (A-1) 592.7					
CLAY LOAM—gray—hard (A-6) 580.2					
SILT—gray—very dense (A-4) 580.2					
Fine SAND—gray—dense (A-2/A-3) 580.4					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (SD=Blow, 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 D206) The Unit Dry Weight (pcf) is noted in *italics* above moist (%)
NR=No Recovery

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
BORING LOG 1

SCALE: SHEET NO. 1 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	577a
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	