



SOIL BORING LOG

PAGE 1 of 1
DATE 4/3/2012
LOGGED BY MD
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. - Surface Water Elev. n/a
Station: - Stream Bed Elev. n/a
BORING NO. RB-081 Groundwater Elevation:
Station: 314+00 Ramp C First Encounter 751.4 ▼
Offset: 8.0' Left Upon Completion 751.4 ▼
Ground Surface Elev. 759.4 After _____ Hrs. _____ ▼

Description	DEPTH (ft)	BLOW S	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOW S	UCS Qu (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After _____ Hrs.
									n/a	n/a	n/a	751.4	751.4	
TOPSOIL-black	0-3	AS	-	32										
	3-4			91										
	4-4		1.9B	27										
SILTY CLAY-brown, gray & black-stiff (A-6) Wet	4-5			86										
	5-7		1.1B	28										
	7-10			108										
CLAY-brown & gray-very stiff (A-6)	10-15			111										
	15-10		3.2B	18										
End Of Boring @ -10.0' Hollow Stem Augers Diedrich 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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COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. - Surface Water Elev. n/a
Station: - Stream Bed Elev. n/a
BORING NO. RB-082 Groundwater Elevation:
Station: 310+91 Ramp C First Encounter 756.2 ▼
Offset: 9.2' Right Upon Completion 756.2 ▼
Ground Surface Elev. 760.2 After _____ Hrs. _____ ▼

Description	DEPTH (ft)	BLOW S	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOW S	UCS Qu (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	First Encounter	Upon Completion	After _____ Hrs.
									n/a	n/a	n/a	756.2	756.2	
TOPSOIL-black	0-2	AS	-	35										
	2-3			94										
CLAY-brown & gray-very stiff (A-6)	3-5			24										
	5-7		3.2B	24										
SILTY CLAY LOAM-brown & gray-very loose (A-4/A-6)	7-9			21										
	9-11		1.75P	21										
CLAY-brown & gray-hard (A-6)	11-15			104										
	15-19		5.3B	18										
Clayey SAND & GRAVEL-brown & gray-medium dense (A-2)	19-20			19										
	20-10			19										
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer														

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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

TYLIN INTERNATIONAL

USER NAME
PROJECT
PLD DATE

DESIGNED - DPS
DRAWN - DPS
CHECKED - JF
DATE - 05/10/2013

REVISED
REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS

SCALE: N.T.S. SHEET 31 OF 40 SHEETS STA. TO STA.

F.A.I. RTE. 57 SECTION 99-1HB-R1 COUNTY WILL TOTAL SHEETS 679 SHEET NO. 670 CONTRACT NO. 60L69 ILLINOIS FED. AID PROJECT