

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2638

SOIL BORING LOG

PAGE 1 of 1
DATE 6/28/2011
LOGGED BY RJ
GSI JOB No. 09172

ROUTE FAP 349 (US 30) DESCRIPTION US 30 from west of IL 31 to east of Burlington Northern Railroad
SECTION (10 & 11 VB) R-3 LOCATION Section 32, T. 38 N., R. 8 E., Aurora Township, 3rd P.M.
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. ---
Station 1252+00 to 1256+50
BORING NO. RW-01
Station: 1252+51
Offset: 88.0' Left
Ground Surface Elev. 650.1

DEPTH (ft)	BLOW (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.		Stream Bed Elev.		DEPTH (ft)	BLOW (/6")	UCS (tsf)	MOIST (%)
				n/a	n/a	n/a	n/a				
7.0" SANDY TOPSOIL-black				649.4							
	AS	-	10								
	2								8		
	3								9		
	5	-	13					9	NP	20	
SANDY CLAY LOAM with Gravel-dark brown & black-stiff to very stiff (Fill)				627.1							
	3								5		
	3								8		
	5	-	11					-25	10	NP	8
	2								8		
	8								11		
	15	-	20					11	NP	12	
SAND & GRAVEL with Fractured Rock-gray-medium dense to very dense (A-1)				642.1							
	3								11		
	7								13		
	11	-	9					-30	16	NP	15
SAND & GRAVEL-brown-medium dense (A-1)											
	8										
	8										
	8	NP	10								
	8								26		
	10								50/3"		
	15	10	NP	13				-35		NP	11
SAND & GRAVEL-brown-medium dense (A-1)											
	8										
	9										
	11	NP	19								
SANDY LOAM-gray-medium dense (A-2)				632.1							
	7								22		
	9								47		
	20	11	NP	23				-40	11	NP	11

End Of Boring @ -40.0'
Hollow Stem Augers To -5.0'
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
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 Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. ---
Station 1252+00 to 1256+50
BORING NO. RW-02
Station: 1254+01
Offset: 59.0' Left
Ground Surface Elev. 647.0

DEPTH (ft)	BLOW (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.		Stream Bed Elev.		DEPTH (ft)	BLOW (/6")	UCS (tsf)	MOIST (%)
				n/a	n/a	n/a	n/a				
5.0" SANDY TOPSOIL-brown & black				646.6							
	AS	-	17								
	5										9
	9										14
	13	NP	5								15
	5										13
SAND & GRAVEL-brown-loose to medium dense (A-1)											
	10										13
	5										9
	13	NP	6					-25	9	NP	7
	3										11
	3										13
	6	NP	15					9	NP	8	
SAND & GRAVEL-gray-medium dense (A-1)				619.0							
	3										9
	4										19
	7	NP	8					-30	26	-	9
Clayey SAND, GRAVEL & FRACTURED ROCK-gray-dense (A-2)				636.5							
	3										
	5										
	12	NP	20								
SILTY LOAM-gray-medium dense (A-4)				634.0							
	4										11
	7										17
	9	NP	9					-15	9	NP	13
SAND & GRAVEL-gray-medium dense (A-1)				612.0							
	5										
	10										
	12	NP	9								
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer											
	4										
	9										
	17	NP	8					-40			

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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NR-No Recovery

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USER NAME =	DESIGNED - J.J.G. 6/15/2012	REVISED -
CHECKED - J.A.Z. 6/15/2012	REVISED -	
PLOT SCALE =	DRAWN - D.L.G. 6/15/2012	REVISED -
PLOT DATE =	CHECKED - E.E.J. 6/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS RW-01 & RW-02
STRUCTURE NUMBER 045-W014**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	346
STA. 1252+00.00	CONTRACT NO. 60133		ILLINOIS FED. AID PROJECT	

SHEET NO. SA9 OF 11 SHEETS