

PAGE 1 of 1
DATE 6/27/2011
LOGGED BY RJ
GSI JOB No. 09172

SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

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 HAMMER TYPE CME Automatic

STRUCT. NO. --
Station 1252+00 to 1256+50
BORING NO. **RW-03**
Station: 1254+75
Offset: 59.0' Left
Ground Surface Elev. 647.0

DEPTH H S	B L O W S	U C S Qu	M O I S T (%)	Soil Description				DEPTH H S	B L O W S	U C S Qu	M O I S T (%)
				(ft)	(/6")	(tsf)	(%)				
				Surface Water Elev. <u>n/a</u>							
				Stream Bed Elev. <u>n/a</u>							
				Groundwater Elevation:							
				First Encounter <u>642.0</u> ▼							
				Upon Completion <u>Cave In</u> ▼							
				After _____ Hrs. _____ ▼							
				3.0" SANDY TOPSOIL—dark brown 646.7							
				SAND with Gravel—brown—loose (A-1-b) 644.0							
				GRAVEL with Sand—gray—medium dense (A-1-a) 619.0							
				SAND—brown—loose (A-3) 636.5							
				SAND & GRAVEL—brown—loose (A-1) 634.0							
				GRAVEL with Sand—brown—medium dense (A-1-a) 631.5							
				SAND & GRAVEL—brown—medium dense (A-1) 629.0							
				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
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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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-04**
Station: 1255+41
Offset: 98.5' Left
Ground Surface Elev. 648.0

DEPTH H S	B L O W S	U C S Qu	M O I S T (%)	Soil Description				DEPTH H S	B L O W S	U C S Qu	M O I S T (%)
				(ft)	(/6")	(tsf)	(%)				
				Surface Water Elev. <u>n/a</u>							
				Stream Bed Elev. <u>n/a</u>							
				Groundwater Elevation:							
				First Encounter <u>Dry To -5'</u> ▼							
				Upon Completion <u>n/a</u> ▼							
				After _____ Hrs. _____ ▼							
				7.0" TOPSOIL—black 647.3							
				SANDY CLAY LOAM—black—loose (Fill) 645.0							
				SAND & GRAVEL—brown—loose (Fill) 642.5							
				Clayey SAND & GRAVEL—dark brown—loose (Fill) 640.0							
				SAND & GRAVEL—brown—medium dense (A-1) 632.5							
				SAND & GRAVEL—gray—medium dense (A-1)							

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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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-03 & RW-04
STRUCTURE NUMBER 045-W014**

F.A.P. RTE. 349	SECTION (10 & 11VB) R-3	COUNTY KANE	TOTAL SHEETS 507	SHEET NO. 347
STA. 1252+00.00		CONTRACT NO. 60133		
ILLINOIS FED. AID PROJECT				

SHEET NO. SA10 OF 11 SHEETS