

 Geotechnical, Environmental & Civil Engineering 805 Amberst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838		SOIL BORING LOG PAGE 1 of 2 DATE 10/6-7/2010 LOGGED BY DR GSI JOB No. 09172			
ROUTE <u>FAP 349 (US 30)</u>	DESCRIPTION <u>US 30 from west of IL 31 to east of Burlington Northern Railroad</u>				
SECTION <u>(10 & 11 VB) R-3</u>	LOCATION <u>Section 32, T. 38 N., R. 8 E., Aurora Township, 3rd P.M.</u>				
COUNTY <u>Kane</u>	DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>				
STRUCT. NO. <u>SN 045-0039</u> Station <u>12171+21.00</u>	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. <u>n/a</u> Stream Bed Elev. <u>n/a</u> Groundwater Elevation: First Encounter <u>626.5</u> ▼ Upon Completion <u>n/a</u> ▼ After _____ Hrs. <u> </u> ▼
BORING NO. <u>SB-18</u> Station: <u>1272+81</u> Offset: <u>36.5' Left</u> Ground Surface Elev. <u>641.5</u>	(ft)	(/6")	(tsf)	(%)	D E P T H
8.0" SANDY TOPSOIL—black	640.7	AS	-	6	
SILTY CLAY—brown—stiff (A-6)	638.5	4	1.75P	25	
	6				6
	9				8
	13				13 NP 18
	15				5
	27				5
	41				5 NP 11
	26				5
	50/5"				7
	-10				7 NP 9
	50/5"				13
	18				13
	15				17 NP 9
	9				17 NP 9
	5				
	3				
	4				
	623.5				
	5				
	10				
	9				
	-20				

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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BORING NO. <u>SB-18</u> Station: <u>1272+81</u> Offset: <u>36.5' Left</u> Ground Surface Elev. <u>641.5</u>	(ft)	(/6")	(tsf)	(%)	D E P T H
					20' of 5"Ø Casing Used 50' of 3"Ø Casing Used
SANDY LOAM with Fractured Rock—gray—medium dense to very dense (A-2)	596.0				
	18				
	19				
	48				
	45				
	48				
	65				
Drillers Observation: Apparent Bedrock	593.5				
RUN 1 (-48.0' to -58.0')					
Silurian System, Niagaran Series Dolomite Light gray mottled gray with horizontal to wavy bedding. Soft & argillaceous with clay partings from -48.4' to -48.8' & -57.8' to -58.0'. Recovery=97.5% R.Q.D.=5.7%					
	-50				
	-70				
	-55				
	-75				
End Of Boring @ -58.0' Hollow Stem Augers To -20.0' Rotary Drilling To Completion CME Automatic Hammer	-60				

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GR&E
 8501 W. Higgins Road, Suite 280
 Chicago, Illinois 60631; (773) 399-0112

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 LOG, SB-19
STRUCTURE NO. 045-0039

SHEET NO. S111 OF 116 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	332
CONTRACT NO. 60133				
ILLINOIS FED. AID PROJECT				