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

SOIL BORING LOG

PAGE 3 of 3
DATE 11/11-12/2010
LOGGED BY DR
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. SN 045-0039
Station 12171+21.00
BORING NO. **SB-22**
Station: 1274+15
Offset: 21.0' Left
Ground Surface Elev. 668.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 627.2 ▼
Upon Completion n/a ▽
After ____ Hrs. ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Run 1 continued.		RUN 1		
586.2				
End Of Boring @ -82.0' Hollow Stem Augers To -45.0' Rotary Drilling To Completion CME Automatic Hammer 45.0' of 3.25"ø Casing Used 45.0' of 4.0"ø Casing Used	-85			
	-90			
	-95			
	-100			
	-105			
	-110			
	-115			
	-120			

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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ROCK CORE LOG

PAGE 1 of 1
DATE 11/11-12/2010
LOGGED BY DR
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 CORING METHOD Rotary Wash

STRUCT. NO. SN 045-0039
Station 12171+21.00
BORING NO. **SB-22**
Station: 1274+15
Offset: 21.0' Left
Ground Surface Elev. 668.2

CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Core Diameter 2.0 in
Top of Rock Elev. 598.2
Begin Core Elev. 596.2

Description	DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
596.2 RUN 1 (-72.0' to -82.0') Silurian System, Niagaran Series Dolomite Light greenish gray becoming brownish gray @ -77.7'. Soft & argillaceous with numerous weathered horizontal fractures & clay partings throughout. 5.0" clay seam @ -72.75'. 1.5" clay parting @ -74.0' 2.0" clay parting @ -80.5' & -81.8'. Recovery=100.0% R.Q.D.=36.7%		1	100.0	36.7	n/a	777@ -77.0'
	-77					
	-82					

Color pictures of the cores Yes Cores will be stored for examination for XX
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

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6/14/2012 6:12:49 PM

GRAEF
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 & ROCK CORE LOG, SB-22
STRUCTURE NO. 045-0039
SHEET NO. S116 OF 116 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	337
		CONTRACT NO. 60133		
		ILLINOIS FED. AID PROJECT		