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DATE 10/8/2012
LOGGED BY DR
GSI JOB No. 08032

ROCK CORE LOG

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

ROUTE F.A. 361 DESCRIPTION Stearns Road (IL Route 25) From Dunham Road To CC&P RR
SECTION 98-00214-02-BR LOCATION SEC. 1-SW 1/4, TWP. 40 N., RNG. 8 E., 3rd P.M.
COUNTY Kane CORING METHOD Rotary Wash
STRUCT. NO. 045-3168 CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Station - Core Diameter 2.0 in
BORING NO. UP-05 Top of Rock Elev. 611.1
Station: 2001+38 UPRR Begin Core Elev. 611.5
Offset: 27.9' Left
Ground Surface Elev. 731.5

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE LENGTH (min/ft)	STRENGTH (tsf)
	1	98.5	50.2	n/a	n/a

RUN 1 (-120.0' to -120.4') SILTY CLAY LOAM-gray-hard
RUN 1 (-120.4' to -130.0') SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE
Gray & fine grained with horizontal bedding. Soft & argillaceous with some thin clay partings. Tight horizontal fractures throughout. Becoming light gray with wavy bedding & some chert nodules @ -127.2'.
-125
-130



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

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DATE 10/3/2012
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SOIL BORING LOG

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ROUTE F.A. 361 DESCRIPTION Stearns Road (IL Route 25) From Dunham Road To CC&P RR
SECTION 98-00214-02-BR LOCATION SEC. 1-SW 1/4, TWP. 40 N., RNG. 8 E., 3rd P.M.
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. 045-3168
Station -
BORING NO. UP-06
Station: 200+44 UPRR
Offset: 123.7' Right
Ground Surface Elev. 732.2

DEPTH (ft)	BLOW S Qu (/6")	UCS (tsf)	MOIST Qu (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elevation:	DEPTH (ft)	BLOW S Qu (/6")	UCS (tsf)	MOIST Qu (%)
				n/a	n/a	First Encounter Dry to 10.0' ▼				
						Upon Completion n/a ▼				
						After Hrs. ▼				

Blind Drill To -68.5'
-5
-10
-15
-20
-25
-30
-35
-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
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.

FILE NAME =	USER NAME = rgrume	DESIGNED JLS	REVISED
		CHECKED LRB	REVISED
PLOT SCALE =		DRAWN RMG	REVISED
PLOT DATE = 12/13/2012		CHECKED LRB	REVISED

F.A.P. RTE. 361	SECTION 06-00214-18-RP	COUNTY KANE	TOTAL SHEETS: NO. 491 27'
			CONTRACT NO. 63598

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