CONTRACT NO. 60C19

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	91
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Geo Services, Inc.
Geotechnical, Environmental and Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 305-9186

SOIL BORING LOG

PAGE 1 of 1
DATE June 24, 2003
LOGGED BY RJ
GSI JOB No. 0219

ROUTE IL-59 DESCRIPTION IL-59 (Canton Farm Rd. to IL-126)
TWNSHP N/A LOCATION Will County, Illinois
COUNTY WILL DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. N/A
Station N/A
BORING NO. B-4
Station 3211+96
Offset 8' Right
Ground Surface Elev. 595.0

Surface Water Elev. 581.8
Stream Bed Elev. 579.3
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Miscellaneous Sand, Stone & Crushed Concrete				
		4		*102*
CLAY–trace sand & gravel–brown–very stiff (A–6) Fill		4		
		6	2.3B	19
		2		
		4		
	–5	5	2.0P	20
		3		
SILTY CLAY LOAM–trace sand, gravel & topsoil–brown mottled black–very stiff (A–6) Fill, Wet		3		
		4	1.5P	26
CLAYEY TOPSOIL–dark brown to black		3		
		2		
	–10	2	1.5P	32
SANDY CLAY LOAM–trace gravel & shells–brown–medium stiff (A–4 to A–6) Wet		2		
		2		
		2	0.5P	31
SANDY CLAY LOAM–trace to some fibers & shells–black–medium stiff (A–4 to A–6) Wet		2		
		2		
	–15	6	0.5P	52
SANDY LOAM–brown– –little to some gravel –loose to medium dense (A–2)		3		
		5		
		10	–	9
		9		
		6		
	–20	8	–	13

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND LOAM–brown– little to some gravel–loose (A–2)		2		
		2		
		3		
	–25	4	–	19
		AS		NR
RUN 1 (30.0' to 40.0')	–30	AS		NR
Cobbles & Gravel from –30.0' to –30.6'				
Silurian System, Niagran Series Dolomite Light gray mottled gray with horizontal to wavy bedding. Fine grained & slightly porous. Vertical fracture with numerous intersecting horizontal fractures from –30.6' to –31.5'. Horizontal fractures @ –32.0', –32.3', –33.4', –33.5', –33.8', –34.5', –35.8', –36.3', –36.4, –37.7' & –39.2'.	–35			
Recovery = 100.0% R.Q.D = 76.7%				
End of Boring @ –40.0' Hollow Stem Augers to –30.0' Rotary Drilling to Completion CME Automatic Hammer	–40			

ROCK CORE RUN 1

The Unconfined Compressive Strenght (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample
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 (%)

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ROCK CORE LOG

PAGE 1 of 1
DATE June 24, 2003
LOGGED BY RJ
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ROUTE IL-59 DESCRIPTION IL-59 (Canton Farm Rd. to IL-126)
TWNSHP N/A LOCATION Will County, Illinois
COUNTY WILL CORING METHOD Rotary Wash

STRUCT. NO. N/A
Station N/A
BORING NO. B-4
Station 3211+96
Offset 8' Right
Ground Surface Elev. 595.0

CORING BARREL TYPE & SIZE NX Double Swivel–10.0ft
Core Diameter 2.0 in
Top of Rock Elev. 564.4
Begin Core Elev. 565.0

Description	DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
RUN 1 (–30.0' to –40.0')	30	1	100	77	6	n/a
(–30.0' to –30.6') Cobbles & Gravel						
(–30.6' to –40.0') Silurian System, Niagran Series Dolomite						
Light gray mottled gray with horizontal to wavy bedding. Fine grained & slightly porous. Vertical fracture with numerous intersecting horizontal fractures from –30.6' to –31.5'. Horizontal fractures @ –32.0', –32.3', –33.4', –33.5', –33.8', –34.5', –35.8', –36.3', –36.4, –37.7' & –39.2'.	–5					
	–10					

Color pictures of the cores xx 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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KNIGHT
Engineers & Architects

DWG. S-32 of 34

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS
ILLINOIS ROUTE 59 OVER DuPAGE RIVER
FAP ROUTE 338 SECTION 114 BY-R-1
WILL COUNTY
STATION 3209+85.00
STRUCTURE NUMBER 099-0339

SCALE: NONE DESIGNED BY: GSI DRAWN BY: TB
DATE: 08/17/07 CHECKED BY: WPM CHECKED BY: WPM