CONTRACT NO. 60C19

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
338	114 BY-R-1	WILL	139	90
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 July 29, 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-3
Station 3211+98
Offset 58' Left
Ground Surface Elev. 589.1

Surface Water Elev. 581.8
Stream Bed Elev. 579.3
Groundwater Elevation:
First Encounter 580.6 ▼
Upon Completion n/a ▽
After xx Hrs. xx ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY CLAY LOAM-gravel & roots-dark brown-very stiff-Fill (A-4 to A-6)		3		
		3		
		4	3.5P	14
		2		
		3		
	-5	3	2.5P	18
		2		
CLAY-trace sand, gravel & organics-brown & gray-soft (A-6) Wet ▼		2		
		2	0.5P	29
		2		
	-10	4		
		5	0.25P	40
		6		
SANDY LOAM-brown & gray-some gravel-medium dense (A-2)		7		
		10	NP	10
		6		
SILTY LOAM-trace sand & gravel-gray-stiff (A-4)		9		
	-15	11	1.75P	11
		5		97
		5		
CLAY-trace sand & gravel-gray-stiff to very stiff (A-6)		5	1.2B	25
		8		
		11		
	-20	8	2.0P	14

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY-trace sand & gravel-gray-stiff to very stiff (A-6)				
		7		
SILT-trace fine sand-gray-medium dense (A-4)		9		
		12	NP	12
		7		
GRAVEL-brown & gray-very dense (A-1)		22		
	-25	43	NP	3
RUN 1 (26.0' to 36.0') Silurian System, Niagran Series Dolomite Light gray mottled gray with horizontal to wavy bedding. Fine grained & slightly porous with some chert replacement. Horizontal fracture zone from -26.7' to -27.25'. Vertical fracture with intersecting horizontal fractures from -27.5' to -28.5'. Horizontal fracture @ -28.6'. Transverse fracture @ -29.3'. Horizontal fractures @ -29.7', & -31.1'. Vertical fractures with intersecting horizontal fractures from -31.25' to -31.6' & -31.8' to -32.6'. Transverse fracture @ -32.9'. Horizontal fractures @ -33.1' & -33.4'. Vertical fracture with intersecting horizontal fractures from -33.8' to -34.5'. Horizontal fracture @ -34.8'. RECOVERY = 90.0% R.Q.D. = 32.0%	-30	ROCK CORE		
RECOVERY = 90.0% R.Q.D. = 31.7%	-35			
End of Boring @ -36.0' Hollow Stem Augers to -26.0' Rotary Drilling to Completion CME Automatic Hammer	-40			

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
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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-3
Station 3211+98
Offset 58' Left
Ground Surface Elev. 589.1

CORING BARREL TYPE & SIZE NX Double Swivel-10.0ft
Core Diameter 2.0 in
Top of Rock Elev. 563.1
Begin Core Elev. 563.1

Description	DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
RUN 1 (26.0' to 36.0') Silurian System, Niagran Series Dolomite Light gray mottled gray with horizontal to wavy bedding. Fine grained & slightly porous with some chert replacement. Horizontal fracture zone from -26.7' to -27.25'. Vertical fracture with intersecting horizontal fractures from -27.5' to -28.5'. Horizontal fracture @ -28.6'. Transverse fracture @ -29.3'. Horizontal fractures @ -29.7', & -31.1'. Vertical fractures with intersecting horizontal fractures from -31.25' to -31.6' & -31.8' to -32.6'. Transverse fracture @ -32.9'. Horizontal fractures @ -33.1' & -33.4'. Vertical fracture with intersecting horizontal fractures from -33.8' to -34.5'. Horizontal fracture @ -34.8'. RECOVERY = 90.0% R.Q.D. = 32.0%	-5	26	1	90	32	4	n/a
	-10						

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

FILE: L:\6632.01\Cad\Sheets\Roadway Structures\Bridge\66320I-S0339-SB03.dgn

KNIGHT
Engineers & Architects

DWG. S-31 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