

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	93
STA.		TO STA.		
FED. ROAD DIST. NO.	LLMIS	FED. AID PROJECT		

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

PAGE 1 of 1
 DATE January 8, 2003
 LOGGED BY RJ
 GSI JOB No. 0219

SOIL BORING LOG

ROUTE IL-59 DESCRIPTION IL-59 (Canton Farm Rd. to IL-126)
 TOWNSHIP 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-8
 Station 3210+15
 Offset 42' R
 Ground Surface Elev. 579.3

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
				Surface Water Elev. 581.8 Stream Bed Elev. 579.3				
				Groundwater Elevation: First Encounter n/a Upon Completion n/a After xx Hrs. xx ft				
3				SANDY CLAY LOAM—trace gravel—dark gray & black—medium dense (A-4 TO A-8)	17	1	85	57
8				Weathered horizontal fracture @ -19.2'. Large chert nodule @ -19.5'. RUN 2 (21.0' to 26.0') Silurian System, Niagran Series Dolomite Light gray with horizontal bedding. Slightly porous throughout. Horizontal fractures @ -21.4', -22.6', -22.8', -24.0' & -25.0'. RECOVERY = 95.0% R.Q.D. = 91.0%				
11	0.5P	27			21	2	95	91
15					26	3	95	79
2				SANDY CLAY LOAM—trace to some gravel—gray—medium dense (A-4)				
7				RUN 3 (26.0' to 30.0') Silurian System, Niagran Series Dolomite Light gray with horizontal bedding. Slightly porous throughout. Highly weathered fracture zone with clay partings & pyrite replacement from -26.2' to -26.7'. Horizontal fractures @ -27.6', -28.3', -29.1' & -29.2'. RECOVERY = 95.0% R.Q.D. = 79.0%				
10								
11								
10				SILT—trace fine sand—gray—medium dense (A-4)				
11				End of Boring @ -30.0' Hollow Stem Augers to -17.0' Rotary Drilling to Completion CME Automatic Hammer				
17								
19								
3				CLAY with Fractured Rock—gray—very dense (A-6)				
4				FRACTURED ROCK—gray—very dense				
15								
17								
28				RUN 1 (17.0' to 21.0') Silurian System, Niagran Series Dolomite Light gray with horizontal bedding. Slightly porous & weathered throughout with some chert & pyrite replacement. Weathered vertical fracture with intersecting horizontal fractures & thin clay parting from -16.1' to -16.7'. Large chert nodule @ -17.3'. Weathered fracture zone from -17.3' to -17.5'. Horizontal fracture @ -18.3'.				
39								
15								
17								
28								
50/3								
50/5								

The Unconfined Compressive Strength (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

ROUTE IL-59 DESCRIPTION IL-59 (Canton Farm Rd. to IL-126)
 TOWNSHIP N/A LOCATION Will County, Illinois
 COUNTY WILL CORING METHOD Rotary Wash

STRUCT. NO. N/A
 Station N/A
 BORING NO. B-8
 Station 3210+15
 Offset 42' R
 Ground Surface Elev. 579.3

CORING BARREL TYPE & SIZE NX Double Swivel—5.0ft
 Core Diameter 2.0 in
 Top of Rock Elev. 565.6
 Begin Core Elev. 565.6

DEPTH (ft)	NO. CORES	RECOVERY (%)	UCS (tsf)	MOIST (%)	STRENGTH (tsf)
17	1	85	57	4	n/a
21	2	95	91	4	n/a
26	3	95	79	4	n/a

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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DWG. S-34 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