ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2B	McHenry	64	35
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT=		

SHEET NO. 21 OF 21 SHEETS

Contract #62336

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-7288

SOIL BORING LOG

PAGE 1 of 2
DATE October 14, 2003
LOGGED BY RJ
GSI JOB No. 0340

ROUTE SBI-67
SECTION 120A-B-R
COUNTY McHenry
DESCRIPTION IL 176 over Kishwaukee River
LOCATION Section 35, Range 6E, Township 44N in Seneca Township
DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. 056-0078
Station XX
BORING NO. SB-2
Northing 10+40
Easting 6.0' Right
Ground Surface Elev. 836.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Depth
First Encounter 825.9 ▼
Upon Completion n/a ▽
After ____ Hrs. ▽

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
	5			8.0" ASPHALT, 4.5" CONCRETE
	6			
	7	NP	15	SANDY CLAY LOAM– black–medium dense
	4			
	11			
-5	10	NP	18	
	3			
	3			
	4	NP	7	FINE SAND–brown– loose to medium dense (A–3)
	3			
	4			
-10	3	NP	8	
	24			
	10			
	7	NP	15	
	12			
	15			
-15	7	NP	23	FINE SAND–gray– loose to medium dense (A–3)
	4			
	5			
	4	NP	22	
	4			
	4			
-20	3	NP	23	
	7			FINE SAND–gray– loose to medium dense (A–3)
	4			
	4	NP	19	
	5			
-25	4	NP	21	
	5			
	5			
	7	NP	24	
	4			SILTY LOAM–gray–medium dense (A–4)
-30	5	NP	21	
	0			
	1			
-35	1	NP	16	CLAYEY SAND–gray– very loose to medium dense (A–2–6)
	7			
	11			
-40	11	NP	14	

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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SOIL BORING LOG

PAGE 2 of 2
DATE October 14, 2003
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ROUTE SBI-67
SECTION 120A-B-R
COUNTY McHenry
DESCRIPTION IL 176 over Kishwaukee River
LOCATION Section 35, Range 6E, Township 44N in Seneca Township
DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME-75 Auto Hammer

STRUCT. NO. 056-0078
Station XX
BORING NO. SB-2
Northing 10+40
Easting 6.0' Right
Ground Surface Elev. 836.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Depth
First Encounter 825.9 ▼
Upon Completion n/a ▽
After ____ Hrs. ▽

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)	
				CLAYEY SAND–gray– very loose to medium dense (A–2–6)
	7			
	9			
-45	11	NP	14	
	12			SAND & GRAVEL–brown & gray– medium dense (A–1–b)
	10			
-50	12	NP	15	
	11			
	12			
-55	12	NP	13	
	12			FINE SAND–brown– loose to medium dense (A–3)
	13			
-60	15	NP	20	
				FINE SAND–brown– loose to medium dense (A–3)
-65				Drillers Observation: Auger refusal @ -65.0'. Apparent bedrock.
				End Of Boring @ -65.0' Hollow Stem Augers CME-75 Automatic Hammer
-70				
-75				
-80				

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

DESIGNED	J.Z.
CHECKED	S.D.H.
DRAWN	M.S.M.
CHECKED	S.D.H.

BORING LOGS III

IL Route 176 over the Kishwaukee River
F.A.P. RTE 533, SECTION 119R-2B
McHENRY COUNTY
STATION 10+00.00
S.N. 056-0078

DATE: 10-05-07

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS

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10/4/2007
060334 KM

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