ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2B	McHenry	64	45
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 10 OF 12 SHEETS

Contract #62336

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Arbor Court, Suite 204
Naperville, Illinois 60565
(630) 355-3668

SOIL BORING LOG

PAGE 1 of 1
DATE October 28, 2003
LOGGED BY RJ

IDOT Job No. D-91-471-01
GSI JOB No. 0340

ROUTE SBI-67
DESCRIPTION Illinois Route 176 over the Kishwaukee River
SECTION 120A-B-R
LOCATION Section 35, Range 6E, Township 44N in Seneca Township, Marengo, Il.
COUNTY McHenry
DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE D-120 Safety Hammer

STRUCT. NO. 056-0078
Station 349+85.75
BORING NO. R-1
Station: 10+70
Offset: 10.5' Right
Ground Surface Elev. 836.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Depth
First Encounter 830.8
Upon Completion 826.8
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				8.0" ASPHALT, 4.5" CONCRETE
	6			
	7			SANDY CLAY LOAM–black–
	11	–	11	loose to medium dense
	3			
–5	3			
	5	–	12	
	2			
	3			CLAY–dark brown–loose
	4	–	16	Apparent Fill
	4			
	5			
–10	4	NP	12	
	3			Fine SAND–brown–
	3			very loose to medium dense (A–3)
	5	NP	14	
	1			
	1			
–15	2	NP	14	
	3			
	4			
	7	NP	15	
	4			
	6			
–20	8	NP	16	
	3			Fine SAND–brown–
	6			very loose to medium dense (A–3)
	4			
–25	3	NP	17	
	2			
	7			
	3			CLAYEY SAND–brown–
	5	NP	18	loose to medium dense (A–2–6)
	4			
	6			
–30	8	NP	17	
				Fine SAND–brown–
				very loose to medium dense (A–3)
	6			
	10			
–35	11	NP	17	
				End Of Boring @ –35.0'
				Hollow Stem Augers
				D–120 Safety Hammer
–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

Geo Services, Inc.
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SOIL BORING LOG

PAGE 1 of 1
DATE October 23, 2003
LOGGED BY RJ

IDOT Job No. D-91-471-01
GSI JOB No. 0340

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

STRUCT. NO. 056-0078
Station 349+85.75
BORING NO. R-2
Station: 11+50
Offset: 10.5' Right
Ground Surface Elev. 836.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Depth
First Encounter 834.3
Upon Completion 834.3
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				2.0" ASPHALT, 10.0" SAND & GRAVEL
	4			
	4			
	5	NP	9	
	3			Fine SAND–brown–
	4			loose to medium dense (A–3)
–5	7	NP	8	
	5			
	5			
	7	NP	17	
	5			
	5			
–10	7	NP	15	
	3			CLAYEY SAND–brown–
	5			loose to medium dense (A–2–6)
	7	NP	23	
	5			
	4			
–15	3	NP	13	
	3			
	7			
	9	NP	13	
	5			
	4			
–20	4	NP	18	
	2			Fine SAND–brown–
	3			loose to medium dense (A–3)
	5	NP	NR	
	5			
	3			
–25	4	NP	18	CLAYEY SAND–brown–
	3			loose to medium dense (A–2–6)
	5			
	5	NP	19	
	5			
	4			
–30	9	NP	15	
	3			Fine SAND–brown–
	2			very loose to medium dense (A–3)
	1	NP	16	
	0			
	0			
–35	0	NP	18	
				End Of Boring @ –35.0'
				Hollow Stem Augers
				CME–75 Auto Hammer
–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

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

BORING LOGS (SHEET 1 of 3)
RETAINING WALLS
IL Route 176 over the Kishwaukee River
F.A.P. RTE 533, SECTION 119R-2B
McHENRY COUNTY
STA. 7+71.50 TO STA. 13+48.50

DATE: 10-05-07

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS

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