ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2B	McHenry	64	47
FED. ROAD CONT.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 12 OF 12 SHEETS

Contract #62336

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amberst Court, Suite 204
Naperville, Illinois 60565
(630) 305-1338

SOIL BORING LOG

PAGE 1 of 1
DATE November 25, 2003
LOGGED BY TOB
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-5
Station: 9+40
Offset: 6.0' Right
Ground Surface Elev. 837.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Depth
First Encounter 826.5
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				8.0" ASPHALT, 4.5 " CONCRETE
	21			
	15			
	13	–	12	SANDY CLAY LOAM–black– medium dense
	6			
–5	7			
	9	NP	8	CLAYEY SAND–brown– medium dense (A-2-6)
	5			
	8			
	12	NP	20	Fine SAND–brown– medium dense (A-3)
	6			
–10	7			
	5	NP	8	Fine SAND–brown– loose to medium dense (A-3)
	4			
	5			
	7	NP	18	SAND & GRAVEL–brown– dense (A-1-b)
	3			
–15	3			
	3	NP	22	
	2			End Of Boring @ –35.0' Hollow Stem Augers D-120 Safety Hammer
	3			
	4	NP	12	
	5			
–20	4			
	5	NP	NR	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	3			
	4			
	7	NP	14	
	5			
–25	10			
	13	NP	14	
	5			
	12			
	17	NP	16	
–30	15			
	18			
	27	NP	8	
	16			
	20			
–35	16	NP	12	
–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

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SOIL BORING LOG

PAGE 1 of 1
DATE November 25, 2003
LOGGED BY TOB
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-6
Station: 10+60
Offset: 6.0' Left
Ground Surface Elev. 837.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Depth
First Encounter 826.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				8.0" ASPHALT, 4.5 " CONCRETE
	15			
	11			
	12	–	8	SANDY CLAY LOAM–black– medium dense
	13			
	26			
–5	8	NP	10	Fine SAND–brown– loose to medium dense (A-3)
	5			
	7			
	6	NP	4	
	4			
–10	5			
	4	NP	9	
	5			
	7			CLAYEY SAND–brown– medium dense (A-2-6)
	8	NP	13	
	4			
–15	4			
	7	NP	21	Fine SAND–brown & gray– loose to dense (A-3)
	3			
	9			
	10	NP	20	
	3			
–20	3			
	4	NP	22	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	5			
	4			
	8	NP	16	Fine SAND–brown & gray– loose to dense (A-3)
	3			
–25	3			
	6	NP	18	
	2			
	5			
	7	NP	16	
	6			
–30	9			
	11	NP	17	
	9			
	7			
	11	NP	12	
	14			
–35	15			
	18	NP	16	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

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

BORING LOGS (SHEET 3 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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