ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-1-B	McHenry	77	45
FED. ROAD DIST. XXXX	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23 OF 27 SHEETS

Contract #62340

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 2
DATE June 21, 2002
LOGGED BY CC
GSI JOB No. 0209

ROUTE FAP Rte. 533
TWNSHP Seneca
COUNTY McHenry
STRUCT. NO. 056-0071
Station 51+50
BORING NO. SB-2
Station 50+72
Offset 12' Left (North)
Ground Surface Elev. 819.5 ft

DESCRIPTION Illinois Route 176 over the S. Branch of the Kishwaukee River
LOCATION TWP 44 N, R 6E on the south boundary of Sec 28
DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

Surface Water Elev. N/A
Stream Bed Elev. N/A
Groundwater Elevation:
First Encounter 811.0 ft
Upon Completion N/A
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				10" Asphalt
	21			
	8			Sand, Gravel and Topsoil-dark brown and black-very loose to medium dense (FILL)
	10	NP	9	
	9			
	10			
-5	8	NP	11	
	3			
	1			
	1	NP	6	
	4			Fine to Coarse SAND-dark brown-loose to medium dense (A-1b) Possible FILL
-10	2	NP	17	
	4			
	3			Fine to Coarse SAND-trace gravel-gray-loose (A-1b)
	2	NP	12	
	8			
	4			
-15	5	NP	12	
	13			
	4			Fine to Medium Sand-gray-loose to medium dense (A-3)
	7	NP	19	
	10			
	8			
-20	5	NP	19	
	3			Fine to Medium SAND-gray-loose to medium dense (A-3)
	3			
	4	NP	17	
	28			
	3			
-25	8	NP	19	
	5			
	4			
	7	NP	19	
	15			
	7			Fine to Coarse SAND-some gravel-gray-medium dense to dense (A-1b)
-30	6	NP	15	
	16			
	16			
	10	NP	16	
	10			
	10			
-35	10	NP	7	
	22			
	18			
	8	NP	6	
	16			
	8			
-40	7	NP	14	

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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SOIL BORING LOG

PAGE 2 of 2
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ROUTE FAP Rte. 533
TWNSHP Seneca
COUNTY McHenry
STRUCT. NO. 056-0071
Station 51+50
BORING NO. SB-2
Station 50+72
Offset 12' Left (North)
Ground Surface Elev. 819.5 ft

DESCRIPTION Illinois Route 176 over the S. Branch of the Kishwaukee River
LOCATION TWP 44 N, R 6E on the south boundary of Sec 28
DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

Surface Water Elev. N/A
Stream Bed Elev. N/A
Groundwater Elevation:
First Encounter 811.0 ft
Upon Completion N/A
After N/A Hrs. N/A ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	26			Fine to Coarse SAND-some gravel-gray-medium dense to dense (A-1b)
	26			
	18	NP	6	
	16			
-45	20	NP	10	
	24			Fine to Medium SAND-gray-dense to very dense (A-3)
	26			
	26	NP	13	
	22			
-50	21	NP	20	
	26			Fine to Coarse SAND-trace to some gravel-gray-medium dense to very dense (A-1b)
	31			
	31	NP	9	
	16			
-55	28	NP	12	
	17			
	29			
	32	NP	10	
	32			
-60	7	NP	10	
	24			Fine to Coarse SAND-trace to some gravel-gray-medium dense to very dense (A-1b)
	31			
	33	NP	10	
	11			
	30			
-65	32	NP	10	
	30			
	10			
	6	NP	9	
	28			
	28			
-70	26	NP	14	
				END OF BORING @ 70.0'
-75				
-80				

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 (%)

DESIGNED	S.S.T.
CHECKED	S.D.H.
DRAWN	E.B.
CHECKED	S.S.T.

BORING LOGS (SHEET 2 of 6)
IL Route 176 over
South Branch of the Kishwaukee River
F.A.P. RTE 533, SECTION 119R-1-B
McHENRY COUNTY
STATION 51+50.00
DATE: 08-17-07 S.N. 056-0071

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS

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