ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-1-B	McHenry	77	53
FED. ROAD DIST. XXXX		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 4 OF 5 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 JR
GSI JOB No. 0209

ROUTE FAP Rte. 533 DESCRIPTION Illinois Route 176 over the S. Branch of the Kishwaukee River
TWNSHP Seneca LOCATION TWP 44 N, R 6E on the south boundary of Sec 28
COUNTY McHenry DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 056-0073
Station 55+65
BORING NO. SB-6
Station 55+33
Offset 17' Left (North)
Ground Surface Elev. 817.0 ft

Surface Water Elev. N/A
Stream Bed Elev. N/A
Groundwater Elevation:
First Encounter 813.5 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
5.5" TOPSOIL				
Fine to Coarse SAND and GRAVEL-brown-loose (A-1a) FILL		3 2 2	NP	13
	-5	3 3 2	NP	7
SANDY CLAY LOAM-dark brown-loose (A-2-6) Possible FILL		2 3 2	NP	15
Fine to Medium SAND-trace gravel-brown to gray-medium dense to dense (A-3)	-10	4 5 7	NP	14
		4 6 6	NP	16
	-15	3 5 8	NP	18
		3 5 5	NP	14
	-20	4 6 6	NP	15
Fine to Medium SAND-trace gravel-brown to gray-medium dense to dense (A-3)		4 7 6	NP	18
	-25	7 14 16	NP	14
		6 13 11	NP	13
	-30	9 12 13	NP	16
		7 11 15	NP	16
	-35	4 10 5	NP	15
		5 11 10	NP	24
	-40	7 13 16	NP	16

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
DATE June 21, 2002
LOGGED BY JR
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ROUTE FAP Rte. 533 DESCRIPTION Illinois Route 176 over the S. Branch of the Kishwaukee River
TWNSHP Seneca LOCATION TWP 44 N, R 6E on the south boundary of Sec 28
COUNTY McHenry DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 056-0073
Station 55+65
BORING NO. SB-6
Station 55+33
Offset 17' Left (North)
Ground Surface Elev. 817.0 ft

Surface Water Elev. N/A
Stream Bed Elev. N/A
Groundwater Elevation:
First Encounter 813.5 ft
Upon Completion N/A ft
After N/A Hrs. N/A ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Fine to Medium SAND-trace gravel-brown to gray-medium dense to dense (A-3)		5 6 7	NP	25
END OF BORING @ 42.5'				
	-45			
	-50			
	-55			
	-60			
	-65			
	-70			
	-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 1 of 2)
IL Route 176 over South Branch of the Kishwaukee River (Overflow Site)
F.A.P. RTE 533, SECTION 119R-1-B
McHENRY COUNTY
STATION 55+65.00
S.N. 056-0073
DATE: 08-17-07

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS

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