

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-1-B	McHenry	77	48
FED. ROAD DIST. XXXX		ILLINOIS	FED. AID PROJECT	

SHEET NO. 26 OF 27 SHEETS

Contract #62340

Geo Services, Inc.
Geotechnical, Environmental and Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 305-9186

PAGE 1 of 3
DATE June 21, 2002
LOGGED BY CC
GSI JOB No. 0209

ROUTE FAP Rte. 533 DESCRIPTION Illinois Route 176 over the S. Branch of the Kishwaukee River
TOWNSHIP 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. 056-0071
Station 51+50
BORING NO. SB-5
Station 53+63
Offset 14' Right (South)
Ground Surface Elev. 817.5 ft

DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)
				Surface Water Elev. N/A				
				Stream Bed Elev. N/A				
				Groundwater Elevation:				
				First Encounter 813.5 ft				
				Upon Completion N/A				
				After N/A Hrs. N/A ft				
				6.0" Asphalt, 6.0" Sand and Gravel				
	2			SANDY TOPSOIL -trace gravel-black-loose (Apparent FILL)	4			
	2				2			
	2	NP	14	Fine to Medium SAND-trace gravel-gray-very loose to medium dense (A-3)	3	NP	15	
	5			Fine to Medium SAND-trace gravel-brown-loose to medium dense (A-3)	3			
	6				3			
	-5	NP	20		-25	NP	19	
	3				3			
	3				3			
	6	NP	11		5	NP	NR	
	8			Fine to Medium SAND-trace gravel-gray-very loose to medium dense (A-3)	3			
	4				3			
	-10	NP	14		-30	NP	11	
	1			Fine to Coarse SAND-trace gravel-gray-medium dense (A-1b)	5			
	1				4			
	1	NP	20		8	NP	9	
	2				8			
	1				6			
	-15	NP	18		-35	NP	7	
	2			Fine to Medium SAND-trace to some gravel-gray-loose to dense (A-3)	7			
	2				5			
	2	NP	22		5	NP	14	
	3				2			
	4				2			
	-20	NP	19		-40	NP	16	

The Unconfined Compressive Strength (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.

Geo Services, Inc.
Geotechnical, Environmental and Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 305-9186

PAGE 2 of 3
DATE June 21, 2002
LOGGED BY CC
GSI JOB No. 0209

ROUTE FAP Rte. 533 DESCRIPTION Illinois Route 176 over the S. Branch of the Kishwaukee River
TOWNSHIP 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. 056-0071
Station 51+50
BORING NO. SB-5
Station 53+63
Offset 14' Right (South)
Ground Surface Elev. 817.5 ft

DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW S	UCS (tsf)	MOIST (%)
				Surface Water Elev. N/A				
				Stream Bed Elev. N/A				
				Groundwater Elevation:				
				First Encounter 813.5 ft				
				Upon Completion N/A				
				After N/A Hrs. N/A ft				
				Fine to Medium SAND-trace to some gravel-gray-loose to dense (A-3)	4			
	8				6			
	6				9	NP	13	
	1				12			
	3				21			
	-45	NP	15		-65	NP	NR	
	8				13			
	6				7			
	7	NP	NR	CLAY to CLAY LOAM-gray-stiff to very stiff (A-4/A-6)	4	1.5P	11	
	7				4			
	8				6			
	-50	NP	13		-70	7	2.0P	11
	17				8			
	13				7			
	14	NP	12		7	1.25P	11	
	3				7			
	5				12			
	-55	NP	11		-75	22	3.25P	11
	9				7			
	4				15			
	4	NP	11		19	2.5P	16	
	3			Fine to Medium SAND-trace gravel-gray-dense (A-3)	11			
	2				17			
	-60	NP	8		-80	NP	14	

The Unconfined Compressive Strength (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 (%).

BORING LOGS (SHEET 5 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
S.N. 056-0071
DATE: 08-17-07
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS