

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-1-B	McHenry	77	47
FED. ROAD DIST. XXXX		ILLINOIS	FED. AID PROJECT	

SHEET NO. 25 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 2
 DATE June 21, 2002
 LOGGED BY JR
 GSI JOB No. 0209

SOIL BORING LOG

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. 056-0071
 Station 51+50
 BORING NO. SB-4
 Station 52+48
 Offset 17' Left (North)
 Ground Surface Elev. 818.5 ft

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

DEPTH (ft)	BLOW S (1/6")	UCS (tsf)(%)	MOIST (tsf)(%)	DESCRIPTION	DEPTH (ft)	BLOW S (1/6")	UCS (tsf)(%)	MOIST (tsf)(%)
				4.0" Asphalt				
				SANDY TOPSOIL -trace gravel-dark brown-loose (Apparent FILL)	7			
					11			
					18	NP	15	
					8			
				Fine to Coarse SAND-trace gravel-brown-loose (A-1/A-3)	14			
					-25	NP	17	
					6			
				Medium to Coarse SAND-some gravel-brown-loose (A-1b)	9			
					12	NP	16	
					8			
				Fine to Medium SAND-trace gravel-brown-loose (A-3)	15			
					-30	NP	13	
					8			
					14			
					10	NP	14	
					15			
					24			
					-35	NP	18	
					16			
				Fine to Medium SAND-trace gravel-gray-medium dense to dense (A-3)	20			
					10	NP	17	
					15			
					27			
					-40	NP	19	

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.

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				Fine to Medium SAND-trace gravel-gray-medium dense to dense (A-3)	14			
					26			
					20	NP	NR	
					10			
					22			
					16			
					-45	NP	19	
					11			
				END OF BORING @ 80.0'	15			
					22	NP	13	
					12			
					19			
					-50	NP	14	
					12			
					16			
					19	NP	18	
					14			
					20			
					-55	NP	12	
					10			
					18			
					26	NP	15	
					15			
					32			
					-60	NP	11	

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BORING LOGS (SHEET 4 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

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