

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
533	119R-1-B	McHenry	77	46
FED. ROAD DIST. XXXX		ILLINOIS	FED. AID PROJECT	

SHEET NO. 24 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  
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-3  
Station 51+62  
Offset 15' Right (South)  
Ground Surface Elev. 819.0 ft

DEPTH (ft)	BLOW S (1/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW S (1/6")	UCS (tsf)	MOIST (%)
				Surface Water Elev. N/A				
				Stream Bed Elev. N/A				
				Groundwater Elevation:				
				First Encounter 813.0 ft				
				Upon Completion N/A ft				
				After N/A Hrs. N/A ft				
15.0'				Asphalt				
	4			Fine to Medium SAND-trace gravel-gray-loose to medium dense (A-3)		3		
	5					4		
	6	NP	13			5	NP	19
	2			Fine to Coars SAND-trace gravel-gray-medium dense (A-1b)		17		
	2					8		
	-5	NP	29			-25	NP	12
	1			Organic Sandy CLAY-trace peat-black		11		
	3					28		
	2	NP	65	Fine to Medium SAND-trace gravel-gray-medium dense to dense (A-3)		11	NP	13
	3					15		
	1			Fine to Medium SAND-trace gravel-brown-loose (A-3)		12		
	-10	NP	18			-30	NP	14
	6					13		
	3					12		
	4	NP	16			12	NP	14
	2			Fine to Coarse SAND-some gravel-gray-dense (A-1b)		29		
	4					22		
	-15	NP	19			-35	NP	6
	2					11		
	4			Fine to Medium SAND-trace gravel-gray-medium dense to dense (A-3)		10		
	4	NP	22			7	NP	13
	3					27		
	4					15		
	-20	NP	16			-40	NP	17

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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				Surface Water Elev. N/A				
				Stream Bed Elev. N/A				
				Groundwater Elevation:				
				First Encounter 813.0 ft				
				Upon Completion N/A ft				
				After N/A Hrs. N/A ft				
	15			Fine to Medium SAND-trace gravel-gray-medium dense to dense (A-3)		4		
	18					5		
	14	NP	20			5	NP	10
	22			Fine to Coarse SAND-some gravel-gray-medium dense (A-1b)		4		
	8					1		
	-45	NP	9	Fine to Medium SAND-trace gravel-gray-very loose to medium dense (A-3)		-65	NP	20
	26					7		
	10			Fine to Medium SAND-trace gravel-gray-medium dense (A-3)		8		
	9	NP	14			11	NP	15
	15					4		
	11					4		
	-50	NP	16			-70	NP	11
	18							
	24			Fine to Coarse SAND-trace gravel-gray-dense to very dense (A-1b)		10	NP	10
	10	NP	10					
	26							
	18							
	-55	NP	9			-75		
	26							
	30							
	36	NP	8					
	20							
	18							
	-60	NP	10			-80		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample  
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BORING LOGS (SHEET 3 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