

FILE NAME = \\usachal\p207\p60095873\p60095873\06-3177-60095873\Sheet\Structure\056-3177-60095873\522-Soil-Boring-Log-Left

SOIL BORING LOG

PAGE 1 of 2
DATE October 3, 2008
LOGGED BY DR
OBA JOB No. 08607

ROUTE FAS 0031 DESCRIPTION Kishwaukee Valley Road Over the N. Branch of the Kishwaukee River
SECTION 06-00323-00-BR LOCATION Woodstock, Illinois
COUNTY McHenry DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Mobile Automatic

STRUCT. NO. 056-3014
Station -
BORING NO. B-1
Station: 149+05
Offset: 6.0' Right
Ground Surface Elev. 847.8 ft

DEPTH (ft)	BLOW COUNT (S)	SOIL DESCRIPTION	SPT (blows)	UNIT WEIGHT (pcf)	MOISTURE (%)	SHEAR STRENGTH (psi)	REMARKS
0		7.0" ASPHALT					
10		CLAY LOAM to LOAM-brownish gray-loose to very loose (A-4)					
8	NP		4				
824.3							
4			14				
6			13				
-5	NP	SANDY LOAM-brown-medium dense (A-2)	4				
821.3							
5			8				
7	NP		6				
2			113				
3		Sedimentary PEAT-dark brown (A-B)	5				
-10	3		2,25P	15			
7			3				
6			3				
7	NP		8				
814.3							
6			2				
5			2				
-13	6	SILTY CLAY-dark brown-stiff (A-6) Wet	1				
811.8							
3			3				
2			8				
3		SILTY LOAM-trace gravel-gray-medium dense (A-4)	12				
2			9				
1			10				
-20	2		0,25P	15			

The Unclassified Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) S1-Shealy Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
N=No Recovery

SOIL BORING LOG

PAGE 2 of 2
DATE October 3, 2008
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ROUTE FAS 0031 DESCRIPTION Kishwaukee Valley Road Over the N. Branch of the Kishwaukee River
SECTION 06-00323-00-BR LOCATION Woodstock, Illinois
COUNTY McHenry DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Mobile Automatic

STRUCT. NO. 056-3014
Station -
BORING NO. B-1
Station: 149+05
Offset: 6.0' Right
Ground Surface Elev. 847.8 ft

DEPTH (ft)	BLOW COUNT (S)	SOIL DESCRIPTION	SPT (blows)	UNIT WEIGHT (pcf)	MOISTURE (%)	SHEAR STRENGTH (psi)	REMARKS
13		SILTY LOAM-trace gravel-gray-medium dense (A-4)					
804.3							
4			13				
3			3				
-45	5		1,0P	13			
780.8							
7		CLAY LOAM to LOAM-gray-stiff to hard (A-4/A-6)					
779.3							
7		Driller's Observation: Weathered Rock					
9		RUN 1 (-68.5' to -73.5') Light gray, slightly varved, fine grained with horizontal bedding. Thin Clay partings @ -68.8' & -70.4' 3.5" Horizontal Fracture Zone @ -72.3' Recovery = 100±R.O.D. = 63.3					
-50	25		1,0P	12			
774.3							
10			138				
13		End of Boring @ -73.5' Hollow Stem Auger to -10.0' Rotary Drilling To Completion Mobil Automatic Hammer 10.0' of 4.0" Casing Used					
-55	17		4,9+P	10			
26			186				
18			18				
-60	11		5,4B	9			

The Unclassified Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) S1-Shealy Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
N=No Recovery

ROCK CORE LOG

PAGE 1 of 1
DATE October 3, 2008
LOGGED BY DR
OBA JOB No. 08607

ROUTE FAS 0031 DESCRIPTION Kishwaukee Valley Road Over the N. Branch of the Kishwaukee River
SECTION 06-00323-00-BR LOCATION Woodstock, Illinois
COUNTY McHenry CORING METHOD Rotary Wash

STRUCT. NO. 056-3014
Station -
BORING NO. B-1
Station: 149+05
Offset: 6.0' Right
Ground Surface Elev. 847.8 ft

CORING BARREL TYPE & SIZE NX Double Swivel-5 ft
Core Diameter 2.0 in
Top of Rock Elev. 779.3 ft
Begin Core Elev. 779.3 ft

DEPTH (ft)	RECOVERY (%)	REMARKS
779.3	100	SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE RUN 1 (-68.5' to -73.5') Light gray, slightly varved, fine grained with horizontal bedding. Thin Clay partings @ -68.8' & -70.4' 3.5" Horizontal Fracture Zone @ -72.3'
-73.5		

Color pictures of the cores xx Cores will be stored for examination for xx
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

AECOM	USER NAME = debezied	DESIGNED - DD	REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 056-3177	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 0:1" = 1' / IN.	DRAWN - DD	REVISED -			0031	06-00323-00-BR	MCHENRY	53	41	
	PLOT DATE = 5/28/2009	CHECKED - ATB	REVISED -			CONTRACT NO. 63218					
		DATE - 3/18/2009	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS		STA.	TO STA.		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					