

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 7/26/07

ROUTE FAP 823 (IL 15) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer
 (22BY-1, 22BY2, 22BR)B-1 LOCATION SEC. 2, TWP. 2 S, RNG. 9 E, 3 PM
 COUNTY Wayne DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	DEPTH (ft)	BLOW (/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW (/6")	UCS (tsf)	MOISTURE (%)	
													Surface Water Elev.
096-0018 301+63.5	1 301+11	9.00 ft RL	391.43					378.32 375.45					Stiff to medium, damp, red marbled gray, SILTY CLAY. (continued)
				2					2	1.2		31	
				3	1.8				4	B			
				4	B				1	1.0		33	
				5					3	B			
			386.93					386.73					Stiff, damp, gray, SILTY CLAY.
				1					0				
				3	1.1				0	0.6		36	Medium to soft, very damp, dark brown, SILTY LOAM.
				3	B				1	B			
			364.43										Soft, damp, gray, SILTY LOAM.
				1					0				
				2	0.3				0	0.3		23	
				2	BS				1	B			
			381.93					381.93					Stiff, damp, gray mottled red, CLAY.
				1					0				
				2	1.4				1	0.7		29	Medium, damp, blue, SILTY CLAY.
				4	B				2	B			
				1									Very soft, very damp, blue, SILTY LOAM.
				3	1.4								
				4	B								
			376.93					356.93					Soft, very damp, gray, SANDY LOAM.
				1					1				
				1	0.7				5	0.4		27	
				2	B				6	B			
			374.13										Very soft, wet, red, SILTY LOAM.
				2									
				3	1.6								Stiff to medium, damp, red marbled gray, SILTY CLAY.
				3	B								
				2									
				2					3				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)



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													Surface Water Elev.
096-0018 301+63.5	1 301+11	9.00 ft RL	391.43					378.32 375.45					Soft, very damp, gray, SANDY LOAM. (continued)
				8	0.3				3	0.1		18	Gray, SANDY CLAY TILL. (continued)
				12	S				7	B			
				1									Medium, damp, gray, LOAM.
				4	0.7				4	B			
				4	B								
			346.93										Very soft, wet, gray, SANDY LOAM.
				0					0				
				3	0.4				3	0.4		24	Very stiff, very damp, gray, SANDY LOAM.
				6	B				6	B			
			341.93					321.93					
				0					16				
				1	1.2				27	1.2		19	
				6	S				32	S			
				1									Gray, SANDY CLAY TILL.
				1					1				
			331.93					315.43					Very dense, moist, gray, SANDY CLAY SHALE.
				1									

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SOIL BORINGS
 IL 15 OVER UNION
 DRAINAGE DITCH
 WAYNE COUNTY
 STATION 301+65.00
 STRUCTURE NO. 096-0071

SHEET NO. 17 20 SHEETS	F.A.P. RTE. 823	SECTION (22BY-1) B-1	COUNTY WAYNE	TOTAL SHEETS 142	SHEET NO. 77
	CONTRACT NO. 74238				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		