

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 7/2/07

ROUTE FAP 823 (IL 15) DESCRIPTION Un-named Stream LOGGED BY E. Sandschäfer

SECTION (22BY-1,22BY2,22BR)B-1 LOCATION E 1/2, SEC. 1, 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. ft	SOIL LOG				Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter	Upon Completion	After Hrs.	DEPTH (ft)	BLOW COUNT	UCS	MOISTURE (%)
				D	B	U	M										
096-0055 239+90	1 239+88	14.00ft Rt	407.59														
4" crushed stone/clay mixture roadway shoulder material.																	
Soft, damp, brown, SILTY LOAM.																	
				2													
				2	0.3		21										
				2	B												
403.09																	
Soft, damp, gray, SANDY LOAM.				1													
				6	0.4		17										
				6	S												
400.59																	
Stiff, damp, gray mottled red, SILTY CLAY.				2													
				3	1.7		19										
				4	B												
398.09																	
Stiff, damp, red marbled gray, SILTY CLAY LOAM.				2													
				3	1.5		16										
				5	B												
				2													
				2	1.3		17										
				4	B												
393.09																	
Stiff, damp, red/gray/brown, CLAY LOAM TILL.				2													
				4	1.7		15										
				6	B												
390.29																	
Medium, damp, red marbled gray, SANDY CLAY w/ some Sandstone fragments.				2													
				3	0.8		13										
				6	B												
				8													

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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				D	B	U	M										
096-0055 239+90	2 240+12	13.00ft Lt	407.83														
11.5" asphalt pavement.																	
Brown, SILTY CLAY.																	
				0													
				2	0.2		20										
				2	B												
409.83																	
Very soft, very damp, brown, SILTY LOAM.				0													
				2	0.3		25										
				3	B												
408.83																	
Soft to medium, damp, red marbled gray, SILTY LOAM.				3	0.5		19										
				3	B												
405.83																	
Stiff, damp, red/gray/brown, SANDY CLAY TILL.				3	2.0		15										
				6	B												
				9													
400.53																	
Stiff to medium, damp, red marbled gray, SILTY CLAY.				2													
				4	1.7		18										
				4	B												
397.83																	
Stiff, damp, red marbled gray, CLAY LOAM TILL.				2													
				4	0.7		16										
				4	B												
395.83																	
				3													
				4	1.9		17										
				5	B												
390.83																	
Stiff, damp, black marbled red, SANDY CLAY TILL.				2													
				3	1.3		15										
				5	B												
				6													
				6	1.9		16										
				5	B												
-20																	
				1													

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BBS, from 137 (Rev. 8-99)

SOIL BORINGS
IL 15 OVER TRIBUTARY TO
UNION DRAINAGE DITCH
STATION 239+87.00
STRUCTURE NO. 096-2011

SHEET NO. 7 OF 7 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	823	(22BR1) B-1	WAYNE	142	37
			CONTRACT NO. 74238		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					