



# SOIL BORING LOG

Date 10/22/96

ROUTE FAP 307 (IL64) DESCRIPTION IL-64 at IL-47 LOGGED BY R. Marshall

SECTION 126N-1 LOCATION S 1/2, SEC. 18, TWP. 40N, RNG. 7E, 3<sup>rd</sup> PM

COUNTY KANE DRILLING METHOD Mobile B-80, 3.25 in. ID HSA HAMMER TYPE

STRUCT. NO.	DEPTH	BULGE	UCS	MOIST	Surface Water Elev.	DEPTH	BULGE	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
					Stream Bed Elev.				
BORING NO. B-5					Groundwater Elev.:				
Station 52+75					First Encounter				
Offset 17.40ft RT					Upon Completion	858.7			
Ground Surface Elev. 878.71	ft	(ft)	(/6")	(tsf)	After 24 Hrs.	877.7	ft	ft	(ft)
BITUMINOUS SHOULDER					Soft, Gray, Organic CLAY w/ little roots, shells, wood, few to little silt & sand (continued)			0.5	48
877.71			1.8	17				0.5	41
Stiff, Gray-Black SILT LOAM w/ little fine gravel (FILL) A-2-6(0), LL=28, PI=10			1.5	8				1.0	43
876.21			2.0	22	Note: - Unconfined compressive strength based on measurements with a calibrated pocket penetrometer. End of Boring				
Very, Stiff Pink-Gray CLAY LOAM w/ trace pebbles (FILL) A-6(9), LL=35, PI=21			0.5	121					
874.96			0.2	244					
Soft, Black Organic PEAT			0.2	155					
Organic Content=22.36%			0.2	168					
Grades with Fibers			0.2	303					
Organic Content=23.78%			0.2	292					
869.71			0.2	392					
Soft, Dark Brown, Fibrous, Organic PEAT			0.2	194					
Organic Content=21.40%			0.2	110					
Shells at 11' to 12'			0.2	115					
Wood at 11.5'			0.2	74					
866.71			0.2	82					
Soft, Olive, Organic PEAT w/ some shells & roots			0.2	86					
Organic Content=6.17%			0.2	140					
			0.2	40					
860.21			0.2	40					
Soft, Gray, Organic CLAY w/ little roots, shells, wood, few to little silt & sand									

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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)



# SOIL BORING LOG

Date 9/6/02

ROUTE FAP 307 (IL64) DESCRIPTION Peat Soundings, East leg of IL 64 LOGGED BY KOLODZIEJ

SECTION 126N-1 LOCATION S 1/2, SEC. 18, TWP. 40N, RNG. 7E, 3<sup>rd</sup> PM

COUNTY KANE DRILLING METHOD Mobile B-80, 3.25 in. ID HSA HAMMER TYPE

STRUCT. NO.	DEPTH	BULGE	UCS	MOIST	Surface Water Elev.	DEPTH	BULGE	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
					Stream Bed Elev.				
BORING NO. B-23					Groundwater Elev.:				
Station 50+46					First Encounter	860.7			
Offset 23.60ft RT					Upon Completion	860.7			
Ground Surface Elev. 880.68	ft	(ft)	(/6")	(tsf)	After Hrs.		ft	ft	(ft)
Black, Organic, Silty, LOAM w/ some roots (TOPSOIL)				18	Gray, Fine to Coarse SAND				
				21	Note: - Unconfined compressive strength based on measurements with a calibrated pocket penetrometer. End of Boring				
auger sampling only				21					
877.68			<0.25	21					
Very Soft, Brown, Silty CLAY				146					
876.18			<0.25	73					
Very Soft, Dark Brown, PEAT				38					
				37					
872.18			<0.25	48					
Very Soft, Gray, Organic, Silty CLAY, some wood fibers				46					
Organic Content = 7.0 %				52					
				50					
Organic content = 5.41 %				43					
				64					
				53					
				103					
				63					
				32					
				31					
862.18			1.5	18					
Stiff, Gray, Silty CLAY				12					
861.18									
Medium Dense, Light Brown to									
860.68									

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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)