Illinois Department of Transportation
Division of Highways
idot

SOIL BORING LOG

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Date 9/26/02

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, 3rd PM

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

STRUCT. NO.
Station

BORING NO. B-24
Station 51+08
Offset 15.40ft LT
Ground Surface Elev. 880.23 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 865.5 ft ▼
Upon Completion 865.4 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Bituminous Shoulder Pavement	879.23				
Stiff, Mottled, Dark to Light Brown, Silty CLAY, trace fine to coarse sand & gravel (FILL)					10
					11
				1.3	17
Very Soft, Black, Silty LOAM (BURIED TOPSOIL)	875.73	-5		<0.25	88
				<0.25	72
					78
Soft, Gray, Silty CLAY	872.73			<0.25	52
Medium Stiff, Gray, Silty CLAY, trace medium sand	872.23			0.3	33
Very Soft to Medium Stiff, Gray, Silty CLAY, trace brown fibers	871.53			0.8	28
		-10		<0.25	39
				0.3	37
grades to dark gray				1.0	36
				0.5	38
Soft, Gray, Silty CLAY, trace medium sand	867.23				
				0.5	26
Light Brown to Brown, Fine to Coarse SAND, trace fine to coarse gravel	865.43 ▼	-15			11
					13
Note: - Unconfined compressive strength based on measurements with a calibrated pocket penetrometer.	862.73	-20			

End of Boring

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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SOIL BORING LOG

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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, 3rd PM

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

STRUCT. NO.
Station

BORING NO. B-25
Station 52+07
Offset 22.30ft RT
Ground Surface Elev. 878.77 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 856.8 ft ▼
Upon Completion 856.8 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Crushed Stone	877.77				
Stiff, Mottled, Gray & Brown, Silty CLAY, trace fine to coarse sand and gravel (FILL)					16
					18
				1.0	17
Black, Silty LOAM (TOPSOIL)	874.27	-5			131
Very Soft, Dark Brown PEAT	873.52			<0.25	214
Organic Content = 21.35 %				<0.25	151
				<0.25	129
				<0.25	97
				<0.25	292
		-10		<0.25	372
some roots	868.47			<0.25	112
Very Soft, Gray, Organic, Slity CLAY, trace shells				<0.25	107
Organic Content = 7.0 %				<0.25	80
				<0.25	107
				<0.25	78
		-15		<0.25	41
				<0.25	41
				<0.25	49
				<0.25	58
Soft to Very Soft, Gray, Silty CLAY	860.77			0.5	63
				0.5	27
		-20		<0.25	24
Soft to Very Soft, Gray, Silty CLAY *(continued)*				<0.25	22
Gray, Coarse GRAVEL	856.77 ▼ / 856.27				8
Note: - Unconfined compressive strength based on measurements with a calibrated pocket penetrometer.					
End of Boring		-25			
		-30			
		-35			
		-40			

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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