

**KANE COUNTY
DIVISION OF TRANSPORTATION**

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date 2/12/04

ROUTE _____ DESCRIPTION Keslinger Road over Welch Creek
SECT. _____ STRUCT. NO. 045-3101 (existing) DRILLED BY TSC/L-59.782
COUNTY Kane LOCATION 15' W. of SW corner of Bridge S. 6 SW 1/4, TWP. 39N, RNG. 7E

Boring No.	Station	Offset	Surface Elev.	DEPTH	TEST	DESCRIPTION	DEPTH	TEST	DESCRIPTION
SB-1	310+81	7.00R RT	817.50			2" Asphaltic Concrete			
				0		FILL - Brown SAND and GRAVEL, damp A-1-a	4.3		4 B 3.3 11.4
				1		Very stiff brownish-gray CLAY LOAM, trace gravel, moist A-4/A-6	27.8		3 B 1.4 12.0
				2		Very stiff black and gray CLAY, moist A-7-6	27.8		3 B 1.4 12.0
				3		Stiff brown and gray CLAY, moist A-7-6 (Qp=2.25 tsf)	27.8		3 B 1.4 12.0
				4		Stiff gray CLAY LOAM, trace gravel, moist A-6 (Qp=1.5 tsf)	16.8		3 B 1.4 12.0
				5		Medium dense brown fine SAND, wet A-3	19.9		
				6		Medium dense brown SAND and GRAVEL, saturated A-1	11.4		4 B 0.4 11.5
				7		Medium dense gray clayey SAND, trace gravel, moist A-2-4	8.8		
				8		Medium dense brown silty SAND, trace gravel, moist A-1-b	11.2		4 B 0.9 11.4
				9		Very stiff brownish-gray SILTY LOAM, trace gravel, moist A-4	9.9		
				10		Very stiff brownish-gray CLAY LOAM, trace gravel, moist A-4/A-6	10.4		5 B 1.2 15.2

SPT (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

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STRUCTURE NO. 045-3101 (existing) ROUTE _____
SECTION _____ COUNTY Kane
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SECTION _____ COUNTY Kane

Boring No.	Station	Offset	Surface Elev.	DEPTH	TEST	DESCRIPTION	DEPTH	TEST	DESCRIPTION
SB-1	310+81	7.00R RT	767.50			Stiff dark gray and gray CLAY, moist A-6	13.0		4 B 1.5 22.4
				1		Stiff gray CLAY LOAM, trace gravel, moist A-4/A-6	13.0		4 B 1.5 22.4
				2		Medium dense brown fine SAND, saturated A-3	8.2		
				3		Very dense to dense brown and gray SAND and GRAVEL, trace to little silt, saturated A-1-a	11.4		9 B 1.7 18.1
				4		Dense gray silty fine SAND, saturated A-1-b	18.1		
				5		End of Boring at 70 feet			

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CME-75 Truck Rig (#256)
CME Automatic Hammer
3.25" (83 mm) ID HSA

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Date 2/19/04

ROUTE _____ DESCRIPTION Keslinger Road over Welch Creek
SECT. _____ STRUCT. NO. 045-3101 (existing) DRILLED BY TSC/L-59.782
COUNTY Kane LOCATION 23' E. of NE corner of Bridge S. 6 SW 1/4, TWP. 39N, RNG. 7E

Boring No.	Station	Offset	Surface Elev.	DEPTH	TEST	DESCRIPTION	DEPTH	TEST	DESCRIPTION
SB-2	311+48	18.00R LT	816.70			FILL - Black clayey TOPSOIL	11.3		5 B 2.5 10.1
				1		FILL - Brown and dark brown SANDY LOAM, little black clay, little gravel, moist A-2-4	11.3		5 B 2.5 10.1
				2		FILL - Brown CLAY LOAM, trace gravel, moist A-4/A-6	10.2		4 B 2.7 12.3
				3		FILL - Brown clayey SILT and SAND, trace gravel, moist A-4 and A-2-4	12.0		
				4		Black CLAY LOAM (topsoil), very moist A-7-6	32.3		3 B 1.4 11.9
				5		Soft gray CLAY LOAM, very moist A-6	26.0		3 B 1.4 11.9
				6		Medium stiff to stiff gray SILTY LOAM, occasional sand seams, moist to very moist A-4/A-6	12.2		
				7		Loose to medium dense gray silty SAND, trace gravel, moist A-2-4	11.9		3 B 1.9 10.6
				8		Medium dense gray clayey SILT and silty SAND, moist A-4 and A-2-4	10.6		
				9		Medium dense GRAVEL and COBBLES, (rock fragments recovered), saturated A-1-a	12.4		3 B 0.8 12.4
				10		Very stiff brownish-gray CLAY LOAM and SANDY LOAM, trace gravel, moist A-4/A-6	10.4		5 B 3.9 15.2
				11		Very stiff brownish-gray CLAY LOAM, trace gravel, moist A-4/A-6	10.7		5 B 3.6 15.2

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SECTION _____ COUNTY Kane

Boring No.	Station	Offset	Surface Elev.	DEPTH	TEST	DESCRIPTION	DEPTH	TEST	DESCRIPTION
SB-2	311+48	18.00R LT	766.70			Stiff dark brown and gray CLAY, trace organic, moist to very moist A-7-6	19.0		4 B 2.2 15.5
				1		Very stiff gray CLAY LOAM, occasional sand seams, trace gravel, moist A-6	19.0		4 B 2.2 15.5
				2		Dense gray SAND and GRAVEL, saturated A-1-a	16		11 B 1.6 16
				3		Dense gray SAND, little to some gravel, saturated A-1	17		15 B 1.7 17
				4		Dense gray SAND and GRAVEL, saturated A-1-a	21		16 B 2.1 21
				5		End of Boring at 70.0 feet			

SPT (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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CME 55 on Remote Controlled ATY Carrier (#262)
CME Automatic Hammer
Rotary Wash Drill

**SOIL BORING LOGS
KESLINGER ROAD OVER WELCH CREEK
FAS 0110, SEC. 01-00267-00-BR
KANE COUNTY
STATION 311+10.50
STRUCTURE NO. 045-3159**

DESIGNED MJD
CHECKED AEU
DRAWN MJD
CHECKED AEU



SHEET NO. S-4 S-4 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0110	01-00267-00-BR	KANE	37	21
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 83994		

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