

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date Started 8/29/04
Date Completed 8/29/04

ROUTE DESCRIPTION Box Culvert - IL Route 31
SECT. STRUCT. NO. DRILLED BY TSC L-60,393
COUNTY Kane LOCATION North End Culvert S. 3 - SW 1/4, TWP. 40 N., RNG. 8 E.

Boring No. ILMT-1
Station 302+58
Offset 60.00R LT
Surface Elev. 717.95 ft

DEPTH (ft)	DESCRIPTION	TEST TYPE	VALUES	REMARKS
0	Surface			
8	FILL - Black and brown CLAY LOAM, some topsoil, trace gravel, moist A-4/A-5	S	1.9 17.7	
13				
10	FILL - Gray and brown Cobbles and Boulders, (rock fragments recovered), damp	P	9.2	
13				
8	Black CLAY (topsoil), very moist A-7-6	P	4.9	
13				
7	Broken and Fractured Rock, hard drilling		38.5	
1000"	Auger Refusal at 9.0'			

Surface Water Elev. _____
Groundwater Elev.: _____
when drilling _____
at Completion _____
after _____ Hrs. _____

Diachich D-120 Truck Rig (#282)
CME Automatic Hammer
4.5" (114 mm) SFA

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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ROUTE DESCRIPTION Box Culvert - IL Route 31
SECT. STRUCT. NO. DRILLED BY TSC L-60,393
COUNTY Kane LOCATION South End Culvert S. 3 - SW 1/4, TWP. 40 N., RNG. 8 E.

Boring No. ILMT-2
Station 302+58
Offset 37.00R RT
Surface Elev. 713.16 ft

DEPTH (ft)	DESCRIPTION	TEST TYPE	VALUES	REMARKS
0	Surface			
7	FILL - Brown and black clayey Topsoil	S	9.9 15.4	
13				
8	FILL - Dark brown CLAY, trace gravel, moist A-7-6	P	27.1	
13				
8	FILL - Black and brown CLAY, moist A-7-6	P	31.6	
13				
1000"	Refusal at 6.0' on probable rock surface			
1000"	GeoProbe on ATV Carrier (#294)			
1000"	MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig			

Surface Water Elev. _____
Groundwater Elev.: _____
when drilling _____
at Completion _____
after _____ Hrs. _____

Diachich D-120 Truck Rig (#282)
CME Automatic Hammer

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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ROUTE DESCRIPTION Box Culvert - IL Route 31
SECT. STRUCT. NO. DRILLED BY TSC L-60,393
COUNTY Kane LOCATION S. 3 - SW 1/4, TWP. 40 N., RNG. 8 E.

Boring No. ILMT-3
Station 302+43
Offset 37.70R RT
Surface Elev. 712.93 ft

DEPTH (ft)	DESCRIPTION	TEST TYPE	VALUES	REMARKS
0	Surface			
0	FILL - Black clayey Topsoil			
3.0		P	17.2	
17.2				
3.0	FILL - Brown CLAY, moist A-6	P	19.0	
19.0				
3.0	FILL - Brown clayey SAND and GRAVEL with pieces of concrete, wet A-2-4	P	9.8	
9.8				
0.25	Soft black CLAY LOAM, very moist A-5	P	27.2	
27.2				
1000"	Refusal at 8.2' on probable rock surface			
1000"	GeoProbe on ATV Carrier (#294)			
1000"	MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig			

Surface Water Elev. _____
Groundwater Elev.: _____
when drilling _____
at Completion _____
after _____ Hrs. _____

Diachich D-120 Truck Rig (#282)
CME Automatic Hammer

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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ROUTE DESCRIPTION Drainage Ditch Realignment - McLean Boulevard
SECT. STRUCT. NO. DRILLED BY TSC L-60,393
COUNTY Kane LOCATION S. 3 - SW 1/4, TWP. 40 N., RNG. 8 E.

Boring No. MCDT-1
Station 853+10
Offset 60.00R LT
Surface Elev. 729.70 ft

DEPTH (ft)	DESCRIPTION	TEST TYPE	VALUES	REMARKS
0	Surface			
10	FILL - Crushed Limestone	B	21.3	
12				
13	FILL - Black SILTY CLAY (topsoil), moist A-7-6	S	15.3	
15.3				
1000"	Auger Refusal at 26.5'			
8	FILL - Brown clayey SAND, trace gravel, moist A-1/A-2	P	12.3	
12.3				
1000"	Diachich D-120 Truck Rig (#282) CME Automatic Hammer 4.5" (114 mm) SFA			
8	FILL - Brown silty SAND, little gravel, moist to very moist A-1-b	P	10.8	
10.8				
4	FILL - Brown and gray CLAY, trace to little gravel, moist A-6	P	21.2	
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