STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date Started 6/25/04
Date Completed 6/25/04

ROUTE _____ DESCRIPTION McLean Boulevard Retaining Wall - East Side
SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-60,393
COUNTY Kane LOCATION _____ S. 3 - NW 1/4 , TWP. 40 N , RNG. 8 E

Boring No. MCWL-1
Station 813+02
Offset 24.00ft RT
Surface Elev. 748.64 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 715.1
at Completion 718.6
after _____ Hrs. _____

DEPTH	BLOWS	Qu tsf	W %
747.54	1" Asphaltic Concrete 12" P.C. Concrete		
	8 10 10		
745.64	FILL - Crushed Limestone, damp A-1-a		
	7 11 12	B 2.6	16.5
-5			
743.14	Very stiff brown and gray SILTY CLAY LOAM, occasional silt seams, moist A-6		
	10 10 12		14.9
740.64	Medium dense gray clayey SILT, moist A-4		
	7 9 11	B 3.8	20.2
-10			
	9 9 12	B 3.0	21.0
	Very stiff gray CLAY, occasional silt seams, trace gravel, moist A-6		
	7 9 13	B 3.3	20.6
-15			
	11 10 11	B 3.5	21.6
730.64			
	8 10 11	B 4.1	21.2
-20			
	10 11 8	B 4.2	22.0
	Hard to very stiff gray CLAY, trace gravel, moist A-6		
	10 9 9	B 2.6	19.1
723.64			
-25			

DEPTH	BLOWS	Qu tsf	W %
	Very stiff gray CLAY, trace to little gravel, moist A-6		
	8 10 11	P 2.0	19.4
	(Sample disturbed by gravel)		
720.64	Large Boulder		
719.64			
	100/4"		5.3
-30			
	Hard black and dark brown CLAY, moist A-6/A-7-6		
	10 15 22	P 4.5	18.4
714.64			
	100/5"	P 4.5	20.7
-35			
	Dolomite, tan to light gray, silty, thin bedded with occasional green clay partings, dense		
	Core Run from 34 to 44 feet Recovery = 88% RQD = 15%		
-40			
704.64			
	End of Core at 44.0'		
	Diedrich D-120 Truck Rig (#282) CME Automatic Hammer		
-45			
	3.25" (83 mm) ID HSA		
	Rock Core with NX Core Barrel		
-50			

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
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STRUCTURE BORING LOG

Page 1 of 1
Date Started 8/18/04
Date Completed 8/18/04

ROUTE _____ DESCRIPTION McLean Boulevard Retaining Wall - East Side
SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-60,393
COUNTY Kane LOCATION _____ S. 3 - NW 1/4 , TWP. 40 N , RNG. 8 E

Boring No. MCWL-1A
Station 813+15
Offset 57.40ft RT
Surface Elev. 763.94 ft

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

DEPTH	BLOWS	Qu tsf	W %
763.24	FILL - Black clayey Topsoil		
	Hard brown CLAY LOAM, damp A-6 (fractured, possible fill)		
	P	4.25	11.5
760.94			
	S	3.8	17.4
-5		10%	
	Hard brown CLAY, trace gravel, moist A-6		
	B	5.1	17.5
		15%	
	(occasional silt seams)		
-10	B	5.9	17.5
		15%	
	B	8.7	17.9
		10%	
-15	B	7.1	18.0
		15%	
	B	4.1	18.6
		15%	
	(occasional silt seams)		
743.94	B	4.6	15.9
-20		15%	
	End of Boring at 20.0'		
	GeoProbe on ATV Carrier (#294)		
	MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig		
-25			

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ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date Started 6/28/04
Date Completed 6/28/04

ROUTE _____ DESCRIPTION McLean Boulevard Retaining Wall - East Side
SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-60,393
COUNTY Kane LOCATION _____ S. 3 - NW 1/4 , TWP. 40 N , RNG. 8 E

Boring No. MCWL-2
Station 813+76
Offset 26.00ft RT
Surface Elev. 752.10 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling 723.6
at Completion 723.6
after _____ Hrs. _____

DEPTH	BLOWS	Qu tsf	W %
	18" Asphaltic Concrete		
750.60	8 8 8	P 4.5	2.9
	FILL - Gravel Subbase, damp A-1-a		
749.10			
	7 9 9	B 3.6	19.0
-5		15%	
	Very stiff gray CLAY, trace gravel, moist A-6		
	7 7 8	B 3.2	18.1
		15%	
	7 8 8	B 3.3	18.2
-10		15%	
741.60			
	8 14 25	B 1.8	8.7
	Stiff gray SANDY LOAM, trace to little gravel, moist A-2-4/A-4	15%	
739.10			
	6 6 8	B 2.4	20.1
-15		15%	
	Very stiff to stiff gray CLAY, trace gravel, moist A-6		
	6 8 10	B 2.9	17.9
		15%	
	5 7 9	B 1.6	26.0
-20		15%	
731.60			
	6 6 8	B 2.9	22.6
	Very stiff CLAY, trace gravel, moist A-6	15%	
	8 12 12	B 3.4	20.7
-25		15%	

DEPTH	BLOWS	Qu tsf	W %
	Very stiff gray CLAY, trace gravel, moist A-6		
	7 8 12	B 3.5	20.8
		15%	
724.10			
	12 16 20		12.4
-30			
	Dense to medium dense gray SAND and GRAVEL, trace silt, saturated A-1-a		
	8 10 12		11.6
719.10			
	Dense Gravel and Cobbles, saturated A-1-a		
	8 20 28		19.1
-35			
716.60			
	Very dense Fractured and Broken Rock		
	100/6"		14.3
714.10			
	100/1"		
-40			
	Dolomite, tan to light gray, silty, thin bedded with occasional green clay partings, dense		
	Core Run from 38 to 48 feet Recovery = 100% RQD = 68%		
-45			
	Diedrich D-120 Truck Rig (#282) CME Automatic Hammer		
	3.25" (83 mm) ID HSA		
	Rock Core with NX Core Barrel		
704.10			
	End of Core at 48.0'		
-50			

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DESIGNED	JCE/KJH
CHECKED	PMH
DRAWN	JCE/PMH
CHECKED	KJH

200

EXAMINED _____
ENGINEER OF BRIDGE DESIGN

PASSED _____
ENGINEER OF BRIDGES AND STRUCTURES

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

SOIL BORING LOGS
STRUCTURE NO. 045-2039

SHEET NO. EW11	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EW13 SHEETS	361	06-00214-02-BR	KANE	219	168
			CONTRACT NO. 63073		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		