STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 1
Date Started 8/16/04
Date Completed 8/16/04

ROUTE F.A.U. 2509 DESCRIPTION CC & P Railroad over McLean Boulevard
SECT. 98-00214-02-BR STRUCT. NO. 045-3163 DRILLED BY TSC L-60,393
COUNTY Kane LOCATION South Wall West Abutment S. 3 - NW 1/4 , TWP. 40 N. , RNG. 8 E

Boring No. CNMC-1
Station 4+78 CL CC & P RR
Offset 27.00ft RT
Surface Elev. 756.75 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 722.3
at Completion 726.8
after Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
Firm brown CLAY, trace gravel, trace cinders, moist A-6	753.75		2 3 4	S 1.7 10%	15.4
Black clayey Topsoil	753.25				
		-5	7 8 10	S 8.5 12%	15.7
			5 7 10	B 6.6 15%	16.4
Hard brown and gray CLAY, trace gravel, moist A-6		-10	3 5 9	B 5.0 15%	17.8
	743.75				
(Disturbed sample)		-15	3 7 9	P 2.0	18.8
Very stiff gray CLAY, trace gravel, moist A-6 (Qp = 3.25 tsf)			2 3 6	B 2.3 15%	20.7
(Qp = 4.0 tsf)		-20	3 4 6	B 2.4 15%	19.0
	736.25				
Hard gray CLAY, trace gravel, moist A-6			3 5 8	B 5.2 15%	20.4
	731.75	-25	3 5 9	B 5.5 15%	18.7

Description	Elev.	Depth	Blows	Qu tsf	W %
Hard gray CLAY, trace gravel, moist A-6			3 6 11	B 5.3 15%	19.2
			5 9 15	B 8.0 15%	18.7
	724.75	-30			
Very stiff to hard gray CLAY, trace gravel, moist A-6			3 11 15	B 3.6 15%	20.9
	722.25	-35			2.8
Medium dense brown and gray SAND and GRAVEL, occasional Cobbles, (rock fragments recovered), saturated A-1-a					
	717.75		12		
Probable Dolomite Rock Surface (hard drilling)	716.75	-40	60/6"		6.4
Auger Refusal at 40.0'					
CME 55 on Remote Controlled ATV Carrier (#242)					
CME Automatic Hammer					
3.25" (83 mm) ID HSA		-45			
		-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

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ROUTE F.A.U. 2509 DESCRIPTION CC & P Railroad over McLean Boulevard
SECT. 98-00214-02-BR STRUCT. NO. 045-3163 DRILLED BY TSC L-60,393
COUNTY Kane LOCATION South End West Abutment S. 3 - NW 1/4 , TWP. 40 N. , RNG. 8 E

Boring No. CNMC-2
Station 5+22 CL CC & P RR
Offset 25.80ft RT
Surface Elev. 758.56 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 722.6
at Completion 726.6
after Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
FILL - Dark brown clayey Topsoil	757.56				
FILL - Brown CLAY, trace gravel, moist A-6	755.56		2 3 7	P 4.5	17.7
			6 9 11	S 9.9 10%	12.3
		-5			
			8 11 15	B 10.0 15%	16.0
Hard brown and gray CLAY, trace gravel, moist A-6			8 11 16	S 5.4 10%	16.1
		-10			
			7 9 10	P 4.5	19.6
	744.06				
		-15	4 6 11	B 5.3 15%	19.2
			3 5 9	B 3.9 15%	18.8
Very stiff to hard gray CLAY, trace gravel, moist A-6		-20	3 5 8	B 3.9 15%	19.9
			3 5 7	B 4.5 15%	18.7
		-25	3 5 8	B 4.0 15%	20.6

Description	Elev.	Depth	Blows	Qu tsf	W %
Very stiff gray CLAY, trace gravel, moist A-6			3 4 5	B 2.0 15%	17.8
	730.56				
Very stiff to hard gray CLAY, trace gravel, moist A-6		-30	3 6 8	B 5.1 15%	14.9
			3 5 8	B 3.9 15%	15.0
		-35	3 6 9	B 5.6 15%	19.3
	722.56				
Medium dense gray SAND and GRAVEL, saturated A-1-a			4 6 9		7.0
	720.56				
Very dense gray SAND and GRAVEL, occasional Cobbles, (rock fragments recovered), possible fractured rock	718.06	-40	18 31 36		12.6
Probable Dolomite Rock Surface (hard drilling)	717.56				
Auger Refusal at 41.0'					
CME 55 on Remote Controlled ATV Carrier (#242)					
CME Automatic Hammer					
3.25" (83 mm) ID HSA		-45			
		-50			

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ILLINOIS DEPARTMENT OF TRANSPORTATION
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STRUCTURE BORING LOG

Page 1 of 1
Date Started 9/24/04
Date Completed 9/24/04

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

Boring No. MCWL-10
Station 813+15
Offset 28.80ft LT
Surface Elev. 763.06 ft

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

Description	Elev.	Depth	Blows	Qu tsf	W %
FILL - brown clayey Topsoil	762.26				
FILL - Brown CLAY LOAM, trace gravel, damp (fractured)	760.06				14.9
		-5		P 4.5+	13.5
Hard brown and gray CLAY and CLAY LOAM, trace gravel, damp A-6				S 4.2 10%	14.0
	752.56	-10		S 3.0 10%	14.2
Hard brown CLAY, trace gravel, moist A-6				B 5.5 15%	17.8
	749.06				
Hard gray and brown CLAY, trace gravel, moist A-6		-15		B 5.6 15%	18.3
	746.56				
Very stiff gray CLAY, trace gravel, moist A-6				B 3.0 15%	20.4
	743.06	-20		B 2.9 15%	19.9
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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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. 045-2038

SHEET NO. WW8	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
WW9 SHEETS	361	06-00214-02-BR	KANE	219	156
			CONTRACT NO. 63073		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		