

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BORING LOG RWN-07**  
WEI Job No.: 201-34-01  
Client: McDonough Associates, Inc.  
Project: I-55 Interchange at Arsenal Road  
Location: T34, R9E, Sec. 21, 22, 28, 27, Will Co., Illinois

Datum: NAVD  
Elevation: 535.91 ft  
North: 1724709.08 ft  
East: 1022773.34 ft  
Station: 906+92.52  
Offset: 32.5 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
533.94	4-inch thick, brown and black SILTY LOAM --TOPSOIL--												
	Very stiff, brown and black SILTY CLAY LOAM --A-6 (11)-- --LL=40%, PL=21%-- --GRAVEL=11.6%-- --SAND=22.8%-- --SILT=46.0%-- --CLAY=19.3%--	1	3	3.25	18								
532.9	Very dense, brown SANDY LOAM, with dolostone rock fragments --WEATHERED BEDROCK-- --AUGER REFUSAL @ 5' 0"--	2	6	NP	11								
530.9	Boring terminated at 5.00 ft												

<b>GENERAL NOTES</b>	<b>WATER LEVEL DATA</b>
Begin Drilling: 08-21-2008 Complete Drilling: 08-21-2008 Drilling Contractor: Wang Testing Service Drill Rig: Mobile B-57 TMR Driller: K & J Logger: F. Bozga Checked by: E. Datz Drilling Method: 3.25" IDA HSA; Boring backfilled with bentonite upon completion.	While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: <input checked="" type="checkbox"/> NA The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**BORING LOG RWN-08**  
WEI Job No.: 201-34-01  
Client: McDonough Associates, Inc.  
Project: I-55 Interchange at Arsenal Road  
Location: T34, R9E, Sec. 21, 22, 28, 27, Will Co., Illinois

Datum: NAVD  
Elevation: 535.88 ft  
North: 1724854.88 ft  
East: 1022768.88 ft  
Station: 908+39.71  
Offset: 35.8 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
535.4	6-inch thick, brown and black SILTY LOAM --TOPSOIL--												
	Very stiff, brown and black SILTY CLAY LOAM with gravel --A-7-6 (16)-- --LL=44%, PL=20%-- --GRAVEL=5.7%-- --SAND=19.0%-- --SILT=49.2%-- --CLAY=26.1%--	1	3	3.75	16								
	Boring terminated at 15.50 ft												
533.6	Brown GRAVELLY SAND with dolostone rock fragments --WEATHERED BEDROCK-- --AUGER REFUSAL @ 5' 6"--	2	5	2.00	13								
532.6	Poor, brown and gray, weathered DOLOSTONE --BEDROCK-- --RUN #1 (5.5' to 10.5')-- --REC=100%-- --ROD=35%--	3											
525.4	--RUN #2 (10.5' to 15.5')-- --REC=100%-- --ROD=72%--	4											

<b>GENERAL NOTES</b>	<b>WATER LEVEL DATA</b>
Begin Drilling: 08-18-2008 Complete Drilling: 08-18-2008 Drilling Contractor: Wang Testing Service Drill Rig: Mobile B-57 TMR Driller: K & J Logger: E. Datz Checked by: E. Datz Drilling Method: 3.25" IDA HSA; Boring backfilled with bentonite upon completion.	While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: <input checked="" type="checkbox"/> NA The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**BORING LOG RWN-09**  
WEI Job No.: 201-34-01  
Client: McDonough Associates, Inc.  
Project: I-55 Interchange at Arsenal Road  
Location: T34, R9E, Sec. 21, 22, 28, 27, Will Co., Illinois

Datum: NAVD  
Elevation: 536.28 ft  
North: 1725002.53 ft  
East: 1022764.59 ft  
Station: 910+59.08  
Offset: 14.20 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
535.93	93-inch thick, brown SANDY LOAM --TOPSOIL--												
	Loose, brown SANDY LOAM, with gravel --FILL--	1	4	NP	12								
533.3	Stiff, brown, black and gray SANDY CLAY LOAM with gravel, sand and dolostone rock fragments	2	2	1.25	13								
531.3	--WEATHERED BEDROCK-- --AUGER REFUSAL @ 5' 2"--	3											
528.3	Boring terminated at 5.17 ft												

<b>GENERAL NOTES</b>	<b>WATER LEVEL DATA</b>
Begin Drilling: 08-21-2008 Complete Drilling: 08-21-2008 Drilling Contractor: Wang Testing Service Drill Rig: Mobile B-57 TMR Driller: K & J Logger: F. Bozga Checked by: E. Datz Drilling Method: 3.25" IDA HSA; Boring backfilled with bentonite upon completion.	While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: <input checked="" type="checkbox"/> NA The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

DESIGNED	PMH
CHECKED	MJL
DRAWN	PMH
CHECKED	MJL

**SOIL BORINGS  
STRUCTURE NO. 099-W027**

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

SHEET NO. RW2-22 SHEETS RW2-31	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	(99-1&2) R-6	WILL	756	486
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60F12					