

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BORING LOG RWN-22** Page 1 of 1

Wang Engineering, Inc.  
1145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

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: 544.07 ft  
North: 1726972.18 ft  
East: 1022710.95 ft  
Station: 929+57.04  
Offset: 20.22 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
543.1	12-inch thick, brown GRAVELLY SAND												
	--FILL--												
	Loose, brown and black SANDY LOAM	1	4	NP	9								
		4	4										
		4	4										
541.1	Very dense, brown SANDY LOAM with dolostone rock fragments	2	NP	3									
539.9	--WEATHERED BEDROCK-- --AUGER REFUSAL @ 4' 3"-- Boring terminated at 4.25 ft	5											

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling: 08-27-2008	Complete Drilling: 08-27-2008	While Drilling: <input checked="" type="checkbox"/> DRY	
Drilling Contractor: Wang Testing Service	Drill Rig: Mobile B-57 TMR	At Completion of Drilling: <input checked="" type="checkbox"/> DRY	
Driller: K & J	Logger: F. Bozga	Time After Drilling: NA	
Checked by: E. Datz		Depth to Water: <input checked="" type="checkbox"/> NA	
Drilling Method: 3.25" IDA HSA; Boring backfilled with bentonite upon completion		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

**BORING LOG RWN-23** Page 1 of 1

Wang Engineering, Inc.  
1145 Main Street  
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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: 544.08 ft  
North: 1727111.74 ft  
East: 1022708.08 ft  
Station: 930+96.69  
Offset: 21.71 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
543.1	5-inch thick GRAVELLY SAND												
	--SHOULDER COURSE--												
	Stiff, brown CLAY LOAM with gravel	1	5	2.25	10								
	--AUGER REFUSAL @ 4'0"--	11											
		1	5										
		11											
541.1	Poor, highly weathered, light gray DOLOSTONE	2	NP	14									
540.5	--BEDROCK--	5											
	--RUN #1 (4' to 9')-- --REC=98%-- --RQD=43%-- --Qu=1121.0 tsf--	3											
535.1	Boring terminated at 9.00 ft	10											

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

**BORING LOG RWN-24** Page 1 of 1

Wang Engineering, Inc.  
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Telephone: 630 953-9928  
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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: 544.51 ft  
North: 1727256.40 ft  
East: 1022702.75 ft  
Station: 932+41.38  
Offset: 20.6 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
543.5	12-inch thick, brown GRAVELLY SAND												
	--FILL--												
	Very stiff, brown and black CLAY LOAM	1	5	2.25	26								
	--GRAVEL=13.5%-- --SAND=20.5%-- --SILT=42.2%-- --CLAY=23.9%--	3											
		5											
541.5	Very dense, brown SANDY LOAM with dolostone rock fragments	2	8	NP	8								
539.9	--WEATHERED BEDROCK-- --AUGER REFUSAL @ 4' 6"-- Boring terminated at 4.50 ft	5											

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling: 08-27-2008	Complete Drilling: 08-27-2008	While Drilling: <input checked="" type="checkbox"/> DRY	
Drilling Contractor: Wang Testing Service	Drill Rig: Mobile B-57 TMR	At Completion of Drilling: <input checked="" type="checkbox"/> DRY	
Driller: K & J	Logger: F. Bozga	Time After Drilling: NA	
Checked by: E. Datz		Depth to Water: <input checked="" type="checkbox"/> NA	
Drilling Method: 3.25" IDA HSA; Boring backfilled with bentonite upon completion		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. RW2-27 SHEETS RW2-31	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	(99-1&2) R-6	WILL	756	491
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60F12					