

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Wang Engineering, Inc.**  
Consulting Geotechnical and  
Environmental Engineers  
wangeng@wangeng.com  
1145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

**BORING LOG RWN-42**

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

Datum: NAVD  
Elevation: 533.04 ft  
North: 1725361.81 ft  
East: 1022830.90 ft  
Station: 913+44.13  
Offset: 50.13 RT

| 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 (%) |
|------------------------|--|------------|------------|-----------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 532.8                  | 2-inch thick, black CLAY LOAM --TOPSOIL--          | 0          |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        | Very loose, brown SANDY LOAM, trace rock fragments | 1          |            |                       | NP       | 41                   |                        |                           |            |            |                       |          |                      |
|                        | --WEATHERED BEDROCK--<br>--AUGER REFUSAL @1' 6"--  | 2          |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
| 531.5                  |  | 50/0"      |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        | Boring terminated at 1.50 ft                       |            |            |                       |          |                      |                        |                           |            |            |                       |          |                      |

| GENERAL NOTES       |   |                   |                 | WATER LEVEL DATA          |    |         |  |
|---------------------|---|-------------------|-----------------|---------------------------|----|---------|--|
| Begin Drilling      | 12-10-2008  | Complete Drilling | 12-10-2008      | While Drilling            | ▽  | 0.00 ft |  |
| Drilling Contractor | Wang Testing Service  | Drill Rig         | Mobile B-57 TMR | At Completion of Drilling | ▽  | 0.00 ft |  |
| Driller             | K & J   | Logger            | F. Bozga        | Time After Drilling       | NA |         |  |
| Checked by          | S. Sugiarto   | Depth to Water    | ▽               | NA                        |    |         |  |
| Drilling Method     | 3.25" IDA HSA; Boring backfilled with bentonite upon completion |                   |                 |                           |    |         |  |

**Wang Engineering, Inc.**  
Consulting Geotechnical and  
Environmental Engineers  
wangeng@wangeng.com  
1145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

**BORING LOG RWN-43**

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

Datum: NAVD  
Elevation: 532.47 ft  
North: 1725444.08 ft  
East: 1022832.90 ft  
Station: 914+26.32  
Offset: 54.38 RT

| 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 (%) |
|------------------------|---|------------|------------|-----------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 532.3                  | 2-inch thick, black CLAY LOAM --TOPSOIL--         | 0          |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        | Very dense, brown SANDY LOAM                      | 1          | 2          |                       | NP       | 8                    |                        |                           |            |            |                       |          |                      |
|                        | --WEATHERED BEDROCK--<br>--AUGER REFUSAL @1' 2"-- | 50/5"      |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
| 531.3                  |   |            |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        | Boring terminated at 1.17 ft                      |            |            |                       |          |                      |                        |                           |            |            |                       |          |                      |

| GENERAL NOTES       |   |                   |                 | WATER LEVEL DATA          |    |         |  |
|---------------------|---|-------------------|-----------------|---------------------------|----|---------|--|
| Begin Drilling      | 12-10-2008  | Complete Drilling | 12-10-2008      | While Drilling            | ▽  | 0.00 ft |  |
| Drilling Contractor | Wang Testing Service  | Drill Rig         | Mobile B-57 TMR | At Completion of Drilling | ▽  | 0.00 ft |  |
| Driller             | K & J   | Logger            | F. Bozga        | Time After Drilling       | NA |         |  |
| Checked by          | S. Sugiarto   | Depth to Water    | ▽               | NA                        |    |         |  |
| Drilling Method     | 3.25" IDA HSA; Boring backfilled with bentonite upon completion |                   |                 |                           |    |         |  |

**Wang Engineering, Inc.**  
Consulting Geotechnical and  
Environmental Engineers  
wangeng@wangeng.com  
1145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

**BORING LOG RWN-44**

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

Datum: NAVD  
Elevation: 533.86 ft  
North: 1725512.85 ft  
East: 1022826.48 ft  
Station: 914+95.24  
Offset: 49.85 RT

| 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 (%) |
|------------------------|--|------------|------------|-----------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 533.0                  | 10-inch thick, black CLAY LOAM --TOPSOIL--         | 0          |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        | Medium dense to very dense, brown SANDY LOAM       | 1          |            |                       | NP       | 49                   |                        |                           |            |            |                       |          |                      |
|                        | --WEATHERED BEDROCK--<br>--AUGER REFUSAL @2' 11"-- | 4          |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        |  | 15         |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
|                        |  | 33         |            |                       |          |                      |                        |                           |            |            |                       |          |                      |
| 530.9                  |  | 50/5"      | 2          |                       | NP       | 15                   |                        |                           |            |            |                       |          |                      |
|                        | Boring terminated at 2.92 ft                       |            |            |                       |          |                      |                        |                           |            |            |                       |          |                      |

| GENERAL NOTES       |   |                   |                 | WATER LEVEL DATA          |    |         |  |
|---------------------|---|-------------------|-----------------|---------------------------|----|---------|--|
| Begin Drilling      | 12-10-2008  | Complete Drilling | 12-10-2008      | While Drilling            | ▽  | 0.00 ft |  |
| Drilling Contractor | Wang Testing Service  | Drill Rig         | Mobile B-57 TMR | At Completion of Drilling | ▽  | 0.00 ft |  |
| Driller             | K & J   | Logger            | F. Bozga        | Time After Drilling       | NA |         |  |
| Checked by          | S. Sugiarto   | Depth to Water    | ▽               | NA                        |    |         |  |
| Drilling Method     | 3.25" IDA HSA; Boring backfilled with bentonite upon completion |                   |                 |                           |    |         |  |

|          |     |
|----------|-----|
| DESIGNED | XXX |
| CHECKED  |     |
| DRAWN    | AMV |
| CHECKED  |     |



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

|   |                |               |        |                 |              |
|---|----------------|---------------|--------|-----------------|--------------|
| SHEET NO.<br>RWI-8<br>SHEETS<br>RWI-9           | F.A.I.<br>RTE. | SECTION       | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|   | 55             | (99-1&2) AC-3 | WILL   | 524             | 309          |
| CONTRACT NO. 60C31                              |                |               |        |                 |              |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |                |               |        |                 |              |

**SOIL BORING LOGS  
RETAINING WALL 1  
STRUCTURE NO. 099-W026**