

**Wang Engineering, INC.**  
 Consulting Geotechnical and Environmental Engineers  
 wangeng3@wangeng.com  
 1145 Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
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**BORING LOG 6MKL1**  
 WEI Job No.: 414-07-01

Datum: CCD  
 Elevation: 6.07 ft  
 North: 1838798.30 ft  
 East: 1179557.96 ft  
 Station: 1137+57  
 Offset: 53' LT

Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.  
 Location: From 95th Street to South of 69th Street

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**BORING LOG 6MMN1**  
 WEI Job No.: 414-07-01

Datum: CCD  
 Elevation: 1.12 ft  
 North: 1838873.09 ft  
 East: 1179048.38 ft  
 Station: 1142+61  
 Offset: 45' LT

Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.  
 Location: From 95th Street to South of 69th Street

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| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION   | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION     | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|-------------------------------|------------|------------|-------------------------|----------|----------------------|
| 3.3                    | 9-inch thick, SILTY CLAY LOAM --TOPSOIL--<br>Stiff to hard, brown and gray SILTY CLAY |            | 1          | 2<br>3<br>4             | 1.64     | 33                   |                        | Boring terminated at 25.00 ft |            |            |                         |          |                      |
| 5                      |   |            | 2          | 1<br>3<br>4             | 2.30     | 20                   |                        |                               |            |            |                         |          |                      |
| 10                     |   |            | 3          | 4<br>5<br>7             | 3.20     | 22                   |                        |                               |            |            |                         |          |                      |
| 15                     |   |            | 4          | 2<br>4<br>6             | 2.46     | 24                   |                        |                               |            |            |                         |          |                      |
| 20                     |   |            | 5          | 2<br>4<br>6             | 3.85     | 15                   |                        |                               |            |            |                         |          |                      |
| 25                     |   |            | 6          | 3<br>6<br>7             | 5.58     | 14                   |                        |                               |            |            |                         |          |                      |
| 30                     |   |            | 7          | 3<br>4<br>5             | 5.00     | 15                   |                        |                               |            |            |                         |          |                      |
| 35                     |   |            | 8          | 9<br>14<br>15           | 4.50     | 14                   |                        |                               |            |            |                         |          |                      |
| 40                     |   |            | 9          | 11<br>15<br>22          | NP       | 15                   |                        |                               |            |            |                         |          |                      |
| 45                     | 14.4 Dense, gray SILT   |            | 10         | 15<br>21<br>29          | 7.71     | 12                   |                        |                               |            |            |                         |          |                      |
| 50                     | 16.9 Hard, gray SILTY CLAY  |            |            |                         |          |                      |                        |                               |            |            |                         |          |                      |
| 55                     | 18.9  |            |            |                         |          |                      |                        |                               |            |            |                         |          |                      |

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION  | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION     | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|--|------------|------------|-------------------------|----------|----------------------|------------------------|-------------------------------|------------|------------|-------------------------|----------|----------------------|
| 0.1                    | 14-inch thick, black SILTY CLAY LOAM<br>Very stiff, brown and gray CLAY --FILL-- |            | 1          | 3<br>4<br>6             | 3.44     | 24                   |                        | Boring terminated at 25.00 ft |            |            |                         |          |                      |
| 1.9                    | Very stiff, gray SILTY CLAY  |            | 2          | 4<br>6<br>9             | 3.28     | 21                   |                        |                               |            |            |                         |          |                      |
| 5.1                    | Loose, gray SILTY LOAM   |            | 3          | 3<br>4<br>4             | NP       | 24                   |                        |                               |            |            |                         |          |                      |
| 6.9                    | Loose, gray SANDY LOAM   |            | 4          | 2<br>3<br>4             | NP       | 31                   |                        |                               |            |            |                         |          |                      |
| 9.4                    | Very stiff to hard, gray SILTY CLAY  |            | 5          | 4<br>5<br>9             | 3.94     | 13                   |                        |                               |            |            |                         |          |                      |
| 15                     |  |            | 6          | 6<br>11<br>15           | 4.43     | 14                   |                        |                               |            |            |                         |          |                      |
| 20                     |  |            | 7          | 6<br>11<br>18           | 5.08     | 17                   |                        |                               |            |            |                         |          |                      |
| 23.9                   |  |            | 8          | 7<br>9<br>11            | 4.10     | 12                   |                        |                               |            |            |                         |          |                      |
| 25                     | 19.4 Very dense, gray SILT to SILTY LOAM   |            | 9          | 11<br>20<br>20          | NP       | 19                   |                        |                               |            |            |                         |          |                      |
| 50                     |  |            | 10         | 15<br>32<br>34          | NP       | 9                    |                        |                               |            |            |                         |          |                      |

| GENERAL NOTES       |   |                   |            | WATER LEVEL DATA          |    |     |  |
|---------------------|---|-------------------|------------|---------------------------|----|-----|--|
| Begin Drilling      | 08-06-2004  | Complete Drilling | 08-06-2004 | While Drilling            | ▽  | DRY |  |
| Drilling Contractor | Patrick Drilling  | Drill Rig         | CME 75 ATV | At Completion of Drilling | ▽  | DRY |  |
| Driller             | K&M   | Logger            | B. Fugiel  | Time After Drilling       | NA |     |  |
| Drilling Method     | 3.25" ID, HSA; Boring backfilled with bentonite upon completion |                   |            | Depth to Water            | ▽  | NA  |  |

| GENERAL NOTES       |   |                   |            | WATER LEVEL DATA          |    |         |  |
|---------------------|---|-------------------|------------|---------------------------|----|---------|--|
| Begin Drilling      | 08-05-2004  | Complete Drilling | 08-05-2004 | While Drilling            | ▽  | 6.25 ft |  |
| Drilling Contractor | Patrick Drilling  | Drill Rig         | CME 75 TMR | At Completion of Drilling | ▽  | DRY     |  |
| Driller             | J&L   | Logger            | B. Fugiel  | Time After Drilling       | NA |         |  |
| Drilling Method     | 3.25" ID, HSA; Boring backfilled with bentonite upon completion |                   |            | Depth to Water            | ▽  | NA      |  |

**LEGEND**

NP NON-PLASTIC  
 B BULGE FAILURE  
 S SHEAR FAILURE  
 P POCKET PENETROMETER

**TYLIN INTERNATIONAL**

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
 31st STREET to I-57  
 BORING LOGS FOR HMLT'S  
 6 MKL1 & 6 MMN1

S.N. DESIGNED BY: DJR  
 SCALE: N.T.S. DRAWN BY: DJR  
 DATE: OCTOBER 29, 2004 CHECKED BY: TD