

**Wang Engineering, INC.**  
 Consulting Geotechnical and Environmental Engineers  
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 1145 Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
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**BORING LOG 60KL3**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: 3.99 ft  
 North: ft  
 East: ft  
 Station: 1240+99  
 Offset: 111' 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

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION   | Depth (ft) | Sample No. | SPT Values (blows/6 in) | CU (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION            | Depth (ft) | Sample No. | N Values (blows/6 in) | CU (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|--------------------------------------|------------|------------|-----------------------|----------|----------------------|
| 3.6                    | 5-inch thick, black LOAM<br>--TOPSOIL--<br>Stiff to very stiff, gray CLAY |            | 1          | 33/4                    | 2.79 B   | 18                   | 21.5                   | Very dense, gray gravelly SILTY LOAM |            | 11         | 50/2                  | NP       | 6                    |
|                        |   |            | 2          | 12/2                    | 2.13 B   | 18                   |                        |                                      |            | 12         | 27/50/5               | NP       | 9                    |
| -3.0                   | Medium dense, gray SANDY LOAM   |            | 3          | 11/2                    | 1.72 B   | 19                   |                        |                                      |            | 13         | 50/3                  | NP       | 6                    |
| -4.0                   | Stiff to hard, gray gravelly SILTY CLAY                                   |            | 4          | 23/6                    | 2.87 B   | 17                   | -29.8                  | Boring terminated at 33.75 ft        |            |            |                       |          |                      |
|                        |   |            | 5          | 30/11                   | 5.08 B   | 12                   |                        |                                      |            |            |                       |          |                      |
|                        |   |            | 6          | 37/12                   | 5.08 B   | 13                   |                        |                                      |            |            |                       |          |                      |
|                        |   |            | 7          | 514/15                  | 4.50 P   | 14                   |                        |                                      |            |            |                       |          |                      |
|                        |   |            | 8          | 39/11                   | 4.51 B   | 11                   |                        |                                      |            |            |                       |          |                      |
|                        |   |            | 9          | 927/37                  | 1.56 S   | 9                    |                        |                                      |            |            |                       |          |                      |
|                        |   |            | 10         | 50/5                    | 4.50 P   | 11                   |                        |                                      |            |            |                       |          |                      |

| GENERAL NOTES       |   |                   |            | WATER LEVEL DATA          |    |     |  |
|---------------------|---|-------------------|------------|---------------------------|----|-----|--|
| Begin Drilling      | 08-30-2004  | Complete Drilling | 08-30-2004 | While Drilling            | ∇  | DRY |  |
| Drilling Contractor | Patrick Drilling  | Drill Rig         | CME 75 TMR | At Completion of Drilling | ∇  | DRY |  |
| Driller             | J&L   | Logger            | N. Davis   | Time After Drilling       | NA |     |  |
| Drilling Method     | 3.25" ID. HSA; Boring backfilled with bentonite upon completion |                   |            | Depth to Water            | ∇  | NA  |  |

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**BORING LOG 6PAB4**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: -4.83 ft  
 North: 1847445.17 ft  
 East: 1177526.98 ft  
 Station: 1260+66  
 Offset: 77' 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

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION                                      | Depth (ft) | Sample No. | SPT Values (blows/6 in) | CU (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION   | Depth (ft) | Sample No. | N Values (blows/6 in) | CU (tsf) | Moisture Content (%) |
|------------------------|--|------------|------------|-------------------------|----------|----------------------|------------------------|---|------------|------------|-----------------------|----------|----------------------|
| 5.3                    | Brown SILTY CLAY<br>--TOPSOIL--<br>Hard, brown SILTY CLAY LOAM |            | 1          | 37/9                    | 4.50 P   | 14                   | -30.8                  | WEATHERED BEDROCK<br>--AUGER REFUSAL--<br>Boring terminated at 26.75 ft |            | 10         | 50/3                  | NP       | 13                   |
|                        | Hard, brown and gray SILTY CLAY<br>--FILL--                    |            | 2          | 611/11                  | 4.50 P   | 14                   |                        |   |            |            |                       |          |                      |
|                        | Medium dense, gray SILTY LOAM                                  |            | 3          | 1312/14                 | NP       | 20                   |                        |   |            |            |                       |          |                      |
|                        |  |            | 4          | 79/9                    | 6.15 B   | 12                   |                        |   |            |            |                       |          |                      |
|                        |  |            | 5          | 68/11                   | 5.33 B   | 13                   |                        |   |            |            |                       |          |                      |
|                        |  |            | 6          | 612/14                  | 6.97 S   | 11                   |                        |   |            |            |                       |          |                      |
|                        |  |            | 7          | 712/15                  | 6.31 S   | 12                   |                        |   |            |            |                       |          |                      |
|                        |  |            | 8          | 819/28                  | 7.46 S   | 10                   |                        |   |            |            |                       |          |                      |
|                        |  |            | 9          | 1929/48                 | 4.50 P   | 9                    |                        |   |            |            |                       |          |                      |

| GENERAL NOTES       |   |                   |            | WATER LEVEL DATA          |    |     |  |
|---------------------|---|-------------------|------------|---------------------------|----|-----|--|
| Begin Drilling      | 08-10-2004  | Complete Drilling | 08-10-2004 | While Drilling            | ∇  | DRY |  |
| Drilling Contractor | Patrick Drilling  | Drill Rig         | CME 75 ATV | At Completion of Drilling | ∇  | DRY |  |
| Driller             | J&L   | Logger            | J. Kasnick | 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 OKL3 & 6 PAB4

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

10/15/2004 12:50:42 PM