

**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 P-135**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: -3.92 ft  
 North: 1847807.44 ft  
 East: 1177536.30 ft  
 Station: 1264+27.46  
 Offset: 57.31' 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 Type recovery | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type recovery | Sample No. | N Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|-------------------------------|------------|----------------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|----------------------|------------|-----------------------|----------|----------------------|
| 4.6                    | 8-inch thick CONCRETE         |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 4.4                    | --PAVEMENT--                  |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 4.3                    | 4-inch thick CRUSHED STONE    |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 5.6                    | --BASE COURSE--               |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        | Loose, gray, coarse SAND      |            |                      | 1          | 13                      | 1.00     | 9                    |                        |                           |            |                      |            |                       |          |                      |
|                        | --FILL--                      |            |                      | 2          | 5                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        | Stiff to hard, gray CLAY      |            |                      | 3          | 2                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 4          | 5                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 5          | 10                      | 4.50     | 19                   |                        |                           |            |                      |            |                       |          |                      |
| 8.3                    | Medium dense, gray SILT       |            |                      | 6          | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 7          | 11                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 8          | 14                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 10.9                   | Hard, gray SILTY CLAY         |            |                      | 9          | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 10         | 9                       | 4.50     | 12                   |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 11         | 14                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 12         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 13         | 8                       | 4.50     | 13                   |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 14         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 14.9                   | Boring terminated at 11.00 ft |            |                      | 15         | 7                       | 4.50     | 13                   |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 16         | 8                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 17         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                               |            |                      | 18         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |

| GENERAL NOTES       |  |                   |            | WATER LEVEL DATA  |    |     |  |
|---------------------|--|-------------------|------------|---|----|-----|--|
| Begin Drilling      | 06-24-2003   | Complete Drilling | 06-24-2003 | While Drilling  | ▽  | DRY |  |
| Drilling Contractor | Patrick Drilling   | Drill Rig         | CME 75 TMR | At Completion of Drilling   | ▽  | DRY |  |
| Driller             | J&B  | Logger            | Y. Shu     | Time After Drilling   | NA |     |  |
| Drilling Method     | 3.25" ID HSA; Boring backfilled with bentonite upon completion |                   |            | Depth to Water  | ▽  | NA  |  |
|                     |  |                   |            | The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. |    |     |  |

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**BORING LOG P-136**  
 WEI Job No.: 414-07-01  
 Datum: CCD  
 Elevation: -7.48 ft  
 North: 1847507.98 ft  
 East: 1177546.58 ft  
 Station: 1261+27.83  
 Offset: 55.60' 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 Type recovery | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type recovery | Sample No. | N Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---------------------------------------|------------|----------------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|----------------------|------------|-----------------------|----------|----------------------|
| 8.3                    | 10-inch thick CONCRETE                |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 8.2                    | --PAVEMENT--                          |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 8.1                    | 2-inch thick CRUSHED STONE            |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        | --BASE COURSE--                       |            |                      |            |                         |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        | Medium dense, gray SILT to SILTY LOAM |            |                      | 1          | 12                      |          | 15                   |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 2          | 7                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 3          | 8                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 4          | 14                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 5          | 11                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 6          | 12                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 7          | 11                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 8          | 11                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 13.2                   | Hard, gray SILTY CLAY                 |            |                      | 9          | 10                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 10         | 12                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 11         | 12                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 12         | 11                      |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 13         | 7                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 14         | 6                       | 4.50     | 13                   |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 15         | 8                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 16         | 7                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 17         | 9                       | 4.50     | 12                   |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 18         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
| 18.5                   | Boring terminated at 11.00 ft         |            |                      | 19         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |
|                        |                                       |            |                      | 20         | 9                       |          |                      |                        |                           |            |                      |            |                       |          |                      |

| GENERAL NOTES       |  |                   |            | WATER LEVEL DATA  |    |     |  |
|---------------------|--|-------------------|------------|---|----|-----|--|
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| Drilling Method     | 3.25" ID HSA; Boring backfilled with bentonite upon completion |                   |            | Depth to Water  | ▽  | NA  |  |
|                     |  |                   |            | The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. |    |     |  |

**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. 94 (DAN RYAN EXPRESSWAY)  
 SOIL BORINGS P-135 & P-136

SCALE: N.T.S. DRAWN BY: MPG  
 DATE: MARCH 1, 2006 CHECKED BY: JPM