

**Wang Engineering, INC.**  
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 Lombard, IL 60148  
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**BORING LOG SB 34-11** Page 1 of 1

WEI Job No.: 414-07-01  
 Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01  
 Location: From 95th Street to South of 69th Street

Datum: CCD  
 Elevation: 11.10 ft  
 North: 1843179.60 ft  
 East: 1177636.76 ft  
 Station: 1217+98.6  
 Offset: 89.35' LT

| 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. | N Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|--|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 10.6                   | 6-inch thick, black LOAM<br>--TOPSOIL--<br>Stiff to hard, black and gray SILTY CLAY to CLAY, with gravel | 1          | 22         | 18                      | 7.38     | 15                   |                        |                           |            |            |                       |          |                      |
| 7.1                    | Very stiff, gray CLAY  | 2          | 7          | 6                       | 8.45     | 13                   |                        |                           |            |            |                       |          |                      |
| 5.6                    | Very soft to soft, gray CLAY   | 3          | 3          | 4                       | 0.25     | 23                   |                        |                           |            |            |                       |          |                      |
|                        |  | 4          | 1          | 2                       | 0.16     | 23                   |                        |                           |            |            |                       |          |                      |
|                        |  | 5          | 2          | 2                       | 0.25     | 23                   |                        |                           |            |            |                       |          |                      |
| -1.9                   | Stiff, gray CLAY LOAM, with gravel   | 6          | 12         | 20                      | 1.31     | 9                    |                        |                           |            |            |                       |          |                      |
| -3.4                   | Dense, gray GRAVELLY SAND  | 15         |            |                         |          |                      |                        |                           |            |            |                       |          |                      |
| -5.4                   | Hard, gray SILTY CLAY, with gravel   | 7          | 13         | 19                      | 7.54     | 11                   |                        |                           |            |            |                       |          |                      |
|                        |  | 8          | 12         | 21                      | 4.50     | 11                   |                        |                           |            |            |                       |          |                      |
|                        |  | 9          | 16         | 22                      | 7.22     | 12                   |                        |                           |            |            |                       |          |                      |
|                        |  | 10         | 12         | 20                      | 7.30     | 14                   |                        |                           |            |            |                       |          |                      |

| GENERAL NOTES   |   |                   |                 | WATER LEVEL DATA          |    |     |  |
|---|---|-------------------|-----------------|---------------------------|----|-----|--|
| Begin Drilling  | 02-05-2004  | Complete Drilling | 02-05-2004      | While Drilling            | ∇  | DRY |  |
| Drilling Contractor   | DLZ Drilling  | Drill Rig         | Mobile B-59 TMR | At Completion of Drilling | ∇  | DRY |  |
| Driller   | J&E   | Logger            | J. Kasnick      | 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 SB 34-12** Page 1 of 1

WEI Job No.: 414-07-01  
 Client: T. Y. LIN International  
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01  
 Location: From 95th Street to South of 69th Street

Datum: CCD  
 Elevation: 9.21 ft  
 North: 1843251.41 ft  
 East: 1177638.50 ft  
 Station: 1218+70.4  
 Offset: 85.561' LT

| 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. | N Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 8.7                    | 6-inch thick, black LOAM<br>--TOPSOIL--<br>Hard, brown SILTY CLAY, with interbeds of sand | 1          | 19         | 25                      | 4.50     | 16                   |                        |                           |            |            |                       |          |                      |
| 5.5                    | Stiff to hard, brown and gray CLAY  | 2          | 9          | 16                      | 8.53     | 12                   |                        |                           |            |            |                       |          |                      |
| 3.7                    | Very soft to soft, gray CLAY  | 3          | 4          | 3                       | 0.25     | 22                   |                        |                           |            |            |                       |          |                      |
|                        |   | 4          | 2          | 2                       | 0.25     | 23                   |                        |                           |            |            |                       |          |                      |
| -1.3                   | Hard, gray SILTY CLAY, with gravel  | 5          | 9          | 21                      | 6.97     | 10                   |                        |                           |            |            |                       |          |                      |
| -3.8                   | Medium dense, gray GRAVELLY SAND  | 6          | 11         | 17                      | NP       | 15                   |                        |                           |            |            |                       |          |                      |
| -6.3                   | Very stiff to hard, gray SILTY CLAY, with interbeds of silt                               | 7          | 8          | 16                      | 5.74     | 15                   |                        |                           |            |            |                       |          |                      |
|                        |   | 8          | 14         | 36                      | 4.50     | 11                   |                        |                           |            |            |                       |          |                      |
|                        |   | 9          | 24         | 38                      | 4.67     | 11                   |                        |                           |            |            |                       |          |                      |
|                        |   | 10         | 13         | 32                      | 3.85     | 11                   |                        |                           |            |            |                       |          |                      |

| GENERAL NOTES   |   |                   |                 | WATER LEVEL DATA          |    |          |  |
|---|---|-------------------|-----------------|---------------------------|----|----------|--|
| Begin Drilling  | 02-05-2004  | Complete Drilling | 02-05-2004      | While Drilling            | ∇  | 13.00 ft |  |
| Drilling Contractor   | DLZ Drilling  | Drill Rig         | Mobile B-59 TMR | At Completion of Drilling | ∇  | DRY      |  |
| Driller   | J&E   | Logger            | J. Kasnick      | 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. |   |                   |                 |                           |    |          |  |

**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 SB 34-11 & SB 34-12

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