

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 P-158
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements
 Location: From 95th Street to 69th Street

Datum: CCD
 Elevation: 3.19 ft
 North: 1840483.08 ft
 East: 1177400.04 ft
 Station: 141+06.44
 Offset: 34.49 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. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 10.4 | 10-inch thick CONCRETE --PAVEMENT-- | | | | | | | | | | | | |
| 9.4 | 2-inch thick CRUSHED STONE --BASE COURSE-- | | | | | | | | | | | | |
| 8.4 | Stiff to hard, gray CLAY to SILTY CLAY | 1 | 1 | 3 | 3.75 | 17 | | | | | | | |
| 7.8 | | 2 | 2 | 4 | 4.50 | 14 | | | | | | | |
| | | 3 | 3 | 2 | 1.50 | 15 | | | | | | | |
| | | 4 | 4 | 5 | 4.50 | 12 | | | | | | | |
| | | 5 | 5 | 9 | 4.50 | 12 | | | | | | | |
| | Boring terminated at 11.00 ft | | | | | | | | | | | | |

| GENERAL NOTES | | | | WATER LEVEL DATA | | | |
|---|--|-------------------|------------|---------------------------|----|-----|--|
| Begin Drilling | 06-27-2003 | Complete Drilling | 06-27-2003 | While Drilling | Z | DRY | |
| Drilling Contractor | Patrick Drilling | Drill Rig | CME 75 TMR | At Completion of Drilling | ∇ | DRY | |
| Driller | J&B | Logger | Y. Shiu | 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-164
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements
 Location: From 95th Street to 69th Street

Datum: CCD
 Elevation: 3.06 ft
 North: 1840160.36 ft
 East: 1177107.54 ft
 Station: 136+63
 Offset: 41.1 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. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|-----------------------------------|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 2.6 | Black SILTY LOAM --TOPSOIL-- | | | | | | | | | | | | |
| | Medium dense, brown and gray SAND | 1 | 1 | 3 | NP | 7 | | | | | | | |
| | --FILL-- | 2 | 2 | 11 | 4.50 | 6 | | | | | | | |
| | Stiff to hard, gray SILTY CLAY | 3 | 3 | 6 | 1.50 | 19 | | | | | | | |
| | | 4 | 4 | 4 | 3.00 | 15 | | | | | | | |
| | | 5 | 5 | 3 | 4.50 | 7 | | | | | | | |
| | Boring terminated at 10.00 ft | | | | | | | | | | | | |

| GENERAL NOTES | | | | WATER LEVEL DATA | | | |
|---|--|-------------------|------------|---------------------------|----|-----|--|
| Begin Drilling | 08-09-2004 | Complete Drilling | 08-09-2004 | While Drilling | ∇ | DRY | |
| Drilling Contractor | Patrick Drilling | Drill Rig | CME 75 TMR | At Completion of Drilling | ∇ | DRY | |
| Driller | K&M | Logger | Y. Shiu | 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 | |
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| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 BORING LOGS P-158 & P-164

S.N. DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 25, 2005 CHECKED BY: DAK