| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94 | 2003-0311 | COOK | 476 | 551 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

62583


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# BORING LOG 5RMN3



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: 3.92 ft
North: ft
East: ft
Station: 2338+68
Offset: 79' RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | 3.3 | 7-Inch thick, ASPHALT --PAVEMENT-- | | | | | | |
| | 2.9 | 5-Inch thick, CRUSHED STONE --BASE COURSE-- | | | | | | |
| | | Loose, brown and black SAND --FILL-- | | | 1 | 12 5 3 | NP | 5 |
| | 0.9 | Very loose, black SILTY LOAM --FILL-- | | | 2 | 4 1 1 | NP | 103 |
| | 0.1 | Very loose, gray SAND --FILL-- | 5 | | | | | |
| | -1.6 | Stiff to very stiff, gray SILTY CLAY | | | 3 | 2 1 2 | 1.72 B | 18 |
| | | | 10 | | 4 | 2 2 4 | 1.89 B | 18 |
| | | | | | 5 | 2 4 6 | 3.20 B | 17 |
| | | | 15 | | 6 | 1 2 4 | 2.21 B | 17 |
| | -11.6 | Hard, gray CLAY | | | 7 | 2 5 8 | 4.10 B | 18 |
| | -14.1 | Hard, gray SILTY CLAY | 20 | | 8 | 3 5 9 | 6.89 B | 15 |
| | -16.6 | | | | | | | |
| | -17.3 | Medium dense, gray gravelly SANDY LOAM | | | 9 | 4 9 11 | NP | 20 |
| | -18.1 | Medium dense, gray SILT | | | | | | |
| | | Hard, gray SILTY CLAY | 25 | | 10 | 4 6 9 | 4.26 S | 12 |
| | -24.1 | Dense, gray SANDY LOAM | | | 11 | 5 12 13 | 7.54 B | 11 |
| | | | 30 | | 12 | 6 20 22 | NP | 11 |
| | -27.6 | Dense, gray SILTY LOAM, with sand interbeds | | | | | | |
| | | | 35 | | 13 | 5 22 18 | NP | 18 |
| | -34.8 | Hard, gray SILTY CLAY | | | 14 | 8 19 20 | 6.89 S | 11 |
| | -36.1 | Boring terminated at 40.00 ft | 40 | | | | | |
| | | | 45 | | | | | |
| | | | 50 | | | | | |

## GENERAL NOTES

Begin Drilling 08-23-2004 Complete Drilling 08-23-2004
Drilling Contractor Patrick Drilling Drill Rig CME 75 TMR
Driller J&L Logger J. Kasnick Checked by N. Davis
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion

## WATER LEVEL DATA

While Drilling ▽ DRY
At Completion of Drilling ▼ DRY
Time After Drilling NA
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 6RMN2



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: -4.56 ft
North: 1855595.71 ft
East: 1177465.76 ft
Station: 8400+60
Offset: 69' LT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | -4.3 | 4-Inch thick, brown SILTY CLAY LOAM --TOPSOIL-- | | | | | | |
| | -5.5 | Hard, brown SILTY CLAY --FILL-- | | | 1 | 8 6 7 | 5.49 B | 16 |
| | -7.6 | Hard, brown and gray SILTY CLAY | | | | | | |
| | | Hard, gray CLAY | 5 | | 2 | 7 6 8 | 5.08 B | 18 |
| | -11.1 | Hard, gray SILTY CLAY | | | 3 | 7 6 10 | 5.00 S | 11 |
| | -12.6 | Medium dense, gray SILT | 10 | | 4 | 6 8 11 | NP | 23 |
| | -15.8 | Very stiff to hard, gray SILTY CLAY | | | 5 | 6 7 8 | 3.94 B | 12 |
| | | | 15 | | 6 | 3 4 7 | 5.58 B | 12 |
| | | | | | 7 | 6 7 10 | 7.63 B | 12 |
| | | | 20 | | 8 | 3 7 10 | 8.20 B | 12 |
| | | | | | 9 | 4 7 9 | 5.49 S | 12 |
| | | | 25 | | 10 | 3 5 8 | 2.46 S | 12 |
| | -30.8 | Very stiff, gray SANDY CLAY | | | 11 | 3 4 7 | 2.38 B | 11 |
| | -31.6 | Medium dense, gray SANDY LOAM | | | | | | |
| | -32.6 | Hard, gray SILTY CLAY | | | 12 | 2 5 5 | 4.26 B | 12 |
| | -33.8 | Medium dense, gray GRAVELLY SAND | 30 | | | | | |
| | -35.6 | Hard, gray SILTY CLAY | | | 13 | 11 13 23 | > 4.50 P | 10 |
| | -39.6 | Boring terminated at 35.00 ft | 35 | | | | | |
| | | | 40 | | | | | |
| | | | 45 | | | | | |
| | | | 50 | | | | | |

## GENERAL NOTES

Begin Drilling 08-17-2004 Complete Drilling 08-17-2004
Drilling Contractor Patrick Drilling Drill Rig CME 75 TMR
Driller J&L Logger J. Kasnick Checked by N. Davis
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion

## WATER LEVEL DATA

While Drilling ▽ 29.30 ft
At Completion of Drilling ▼ DRY
Time After Drilling NA
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 |
|---|---|
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
31st STREET to I-57

**BORING LOGS FOR HMLT'S 5 RMN3 & 6 RMN2**

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

WANGENG.DGN 414070L2P4 10/14/04

10/15/2004 12:50:54 PM

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