

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------|------------------|--------------|-----------|
| F.A.I. 80/94 | * | COOK | 870 | 679 |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

SHEET NO. 12

12 SHEETS

(0203.1 & 0312-708W) R-3 CONTRACT #62108

BORING LOG HR-03 (1 OF 1)

BORING LOG HR-03
 WEI Job No.: 665-05-01
 Datum: NGVD
 Elevation: 182.45 m
 North: 547390.41 m
 East: 362486.38 m
 Station: 19+033.99
 Offset: 21.86 RT

Client: **HNTB Corporation**
 Project: **IL 394 (FAP 94) IODT D-91-012-01**
 Location: **Sections 25&26, T36N, R14E, Cook Co.**

Wang Engineering, Inc.
 Consulting Geotechnical and Environmental Engineers
 wangeng@wangeng.com
 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

| Profile Elevation (m) | SOIL AND ROCK DESCRIPTION | Depth (m) | Sample No. | SPT Values (blows/150 mm) | Moisture Content (%) | Soil Type | Profile Elevation (m) | SOIL AND ROCK DESCRIPTION | Depth (m) | Sample No. | SPT Values (blows/150 mm) | Moisture Content (%) | Soil Type |
|-----------------------|---|-----------|------------|---------------------------|----------------------|-----------|-----------------------|---|-----------|------------|---------------------------|----------------------|-----------|
| 182.45 | Black SILTY LOAM | 0.0 | | | | | 182.45 | Black SILTY LOAM | 0.0 | | | | |
| 181.5 | Medium dense, brown SILTY LOAM | 1.0 | 1 | 2 | NP | NP | 181.5 | Medium dense, brown SILTY LOAM | 1.0 | 1 | 2 | NP | NP |
| 181.5 | Loose to medium dense, brown SILT to SILTY LOAM | 2.0 | 2 | 3 | NP | NP | 181.5 | Loose to medium dense, brown SILT to SILTY LOAM | 2.0 | 2 | 3 | NP | NP |
| 180.5 | Very stiff, brown CLAY | 3.0 | 3 | 4 | NP | NP | 180.5 | Very stiff, brown CLAY | 3.0 | 3 | 4 | NP | NP |
| 180.5 | Boring terminated at 3.05 m | 3.05 | | | | | 180.5 | Boring terminated at 3.05 m | 3.05 | | | | |

GENERAL NOTES
 Begin Drilling: 09-27-2001 Complete Drilling: 09-27-2001
 Drilling Contractor: Patrick Drilling Drill Rig: CME 75
 Driller: J&M Logger: E. Datz Checked by: J.C.
 Drilling Method: 3.25-inch ID HSA; Boring grouted after 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.

BORING LOG HR-03A (1 OF 1)

BORING LOG HR-03A
 WEI Job No.: 665-05-01
 Datum: NGVD
 Elevation: 182.45 m
 North: 547390.42 m
 East: 362486.38 m
 Station: 19+033.37
 Offset: 21.86 RT

Client: **HNTB Corporation**
 Project: **IL 394 (FAP 94) IODT D-91-012-01**
 Location: **Sections 25&26, T36N, R14E, Cook Co.**

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| Profile Elevation (m) | SOIL AND ROCK DESCRIPTION | Depth (m) | Sample No. | SPT Values (blows/150 mm) | Moisture Content (%) | Soil Type | Profile Elevation (m) | SOIL AND ROCK DESCRIPTION | Depth (m) | Sample No. | SPT Values (blows/150 mm) | Moisture Content (%) | Soil Type |
|-----------------------|-------------------------------------|-----------|------------|---------------------------|----------------------|-----------|-----------------------|-------------------------------------|-----------|------------|---------------------------|----------------------|-----------|
| 182.45 | Black SILTY LOAM | 0.0 | | | | | 182.45 | Black SILTY LOAM | 0.0 | | | | |
| 181.5 | Very stiff, brown SILTY CLAY | 1.0 | 1 | 4 | 330 B | 330 B | 181.5 | Very stiff, brown SILTY CLAY | 1.0 | 1 | 4 | 330 B | 330 B |
| 181.5 | Medium stiff, brown to gray CLAY | 2.0 | 2 | 3 | 335 P | 335 P | 181.5 | Medium stiff, brown to gray CLAY | 2.0 | 2 | 3 | 335 P | 335 P |
| 180.5 | Hard, gray SILTY CLAY, trace gravel | 3.0 | 3 | 2 | 71 B | 71 B | 180.5 | Hard, gray SILTY CLAY, trace gravel | 3.0 | 3 | 2 | 71 B | 71 B |
| 180.5 | Boring terminated at 12.19 m | 12.19 | | | | | 180.5 | Boring terminated at 12.19 m | 12.19 | | | | |

GENERAL NOTES
 Begin Drilling: 05-20-2002 Complete Drilling: 05-20-2002
 Drilling Contractor: Patrick Drilling Drill Rig: CME 75
 Driller: J&M Logger: N. Davis Checked by: D. Petersen
 Drilling Method: 3.25-inch ID HSA; Boring grouted after 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.

BORING LOG RD-214 (1 OF 1)

BORING LOG RD-214
 WEI Job No.: 665-05-01
 Datum: NGVD
 Elevation: 182.15 m
 North: 547475.23 m
 East: 362527.16 m
 Station: 18+949.96
 Offset: 19.50 LT

Client: **HNTB Corporation**
 Project: **IL 394 (FAP 94) IODT D-91-012-01**
 Location: **Sections 25&26, T36N, R14E, Cook Co.**

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| Profile Elevation (m) | SOIL AND ROCK DESCRIPTION | Depth (m) | Sample No. | SPT Values (blows/150 mm) | Moisture Content (%) | Soil Type | Profile Elevation (m) | SOIL AND ROCK DESCRIPTION | Depth (m) | Sample No. | SPT Values (blows/150 mm) | Moisture Content (%) | Soil Type |
|-----------------------|---------------------------------------|-----------|------------|---------------------------|----------------------|-----------|-----------------------|---------------------------------------|-----------|------------|---------------------------|----------------------|-----------|
| 182.15 | CRUSHED STONE aggregate | 0.0 | | | | | 182.15 | CRUSHED STONE aggregate | 0.0 | | | | |
| 181.5 | Shoulder Aggregate | 1.0 | 1 | 10 | 314 S | 314 S | 181.5 | Shoulder Aggregate | 1.0 | 1 | 10 | 314 S | 314 S |
| 181.5 | Very stiff, black SILTY CLAY | 2.0 | 2 | 11 | NP | NP | 181.5 | Very stiff, black SILTY CLAY | 2.0 | 2 | 11 | NP | NP |
| 181.5 | Medium dense, gray SILT | 3.0 | 3 | 5 | 307 B | 307 B | 181.5 | Medium dense, gray SILT | 3.0 | 3 | 5 | 307 B | 307 B |
| 181.5 | Very stiff, gray SILTY CLAY | 4.0 | 4 | 3 | 307 B | 307 B | 181.5 | Very stiff, gray SILTY CLAY | 4.0 | 4 | 3 | 307 B | 307 B |
| 181.5 | Medium dense, gray SILT | 5.0 | 5 | 4 | 260 B | 260 B | 181.5 | Medium dense, gray SILT | 5.0 | 5 | 4 | 260 B | 260 B |
| 181.5 | Very stiff, gray and black SILTY CLAY | 6.0 | 6 | 4 | 307 B | 307 B | 181.5 | Very stiff, gray and black SILTY CLAY | 6.0 | 6 | 4 | 307 B | 307 B |
| 181.5 | Boring terminated at 3.05 m | 3.05 | | | | | 181.5 | Boring terminated at 3.05 m | 3.05 | | | | |

GENERAL NOTES
 Begin Drilling: 06-06-2002 Complete Drilling: 06-06-2002
 Drilling Contractor: TSC Drill Rig: CME 750 ATV
 Driller: C&F Logger: N. Davis Checked by: B. Fuglel
 Drilling Method: 3.25-inch ID HSA; Boring back-filled 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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|----------|-----|
| DESIGNED | LAS |
| CHECKED | DAZ |
| DRAWN | SAW |
| CHECKED | LAS |

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 80 (INTERSTATE 80/94)
 INTERSTATE 294 TO US ROUTE 41
SOIL BORING LOGS 3
 IL 394 (F.A.I. 94) RETAINING WALL
 SECTION (0203.1 & 0312-708W) R-3
 COOK COUNTY
 STA. 18+876.000 STRUCTURE NO. 016-W866
 DATE: JULY 18, 2005
 SCALE: _____
BRANCO & ZROKA
 ENGINEERING, P.C.