

CLAUDE H. HURLEY COMPANY BORING LOG

PROJECT NO. 3-380-D5 BORING NO. SB-319

PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR

LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+479.3 2.0mR PEORIA & TAZEWELL COUNTIES, ILLINOIS

DRILLING CONTRACTOR D & G DRILLING, INC.

DATE OF DRILLING: STARTED 11-26-97 COMPLETED 11-26-97 SURFACE ELEVATION 194.28

DRILLED BY D. ROESEL LOGGED BY R. HOEKSTRA

| Elev | CLASSIFICATION | Depth | GROUNDWATER DATA | | | | DRILLING METHOD | | |
|--------|--|---------------------------------|--------------------------|----------------------|-----|----------------------|-----------------|-------|---|
| | | | N Bp0.15m | Qu KPa | w % | Yd Kgpm ³ | DATE | DEPTH | HOUR |
| 194.23 | SHOULDER MATERIALS 127mm AC | AU | - | 10 | - | - | - | - | RIG TYPE MOBILE B-57 0.10m FA-1.5m AUGER TYPE-DEPTH RH-16.8m |
| 194.13 | BR SILTY CLAY LOAM, A-4 | 2 3 4 | 270 | 10 | - | 11-26 | - | 0 | CASING TYPE-DEPTH - SAMPLER TYPE AU-SS |
| 193.37 | GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6 | 1 2 3 4 5 6 7 | 305 250 400 355 | 13 15 14 13 | - | - | - | - | GROUNDWATER DATA Elev CLASSIFICATION Depth N Bp0.15m Qu KPa w % Yd Kgpm ³ |
| | | 3 4 6 | 305 | 13 | - | 4 6 8 | 470 | 13 | - |
| | | 2 3 4 | 250 | 15 | - | 5 6 10 | 470 | 13 | - |
| | | 3 5 8 | 400 | 14 | - | 5 7 11 | 395 | 14 | - |
| | | 3 5 8 | 355 | 13 | - | 5 7 10 | 345 | 14 | - |
| | | 2 3 5 | 355 | 13 | - | 6 7 9 | 335 | 14 | - |
| | | 3 6 8 | 355 | 15 | - | 15 25 20 | 385 | 15 | - |
| | | 3 5 7 | 305 | 14 | - | 10 15 17 | 395 | 13 | - |
| | | 4 6 9 | 355 | 13 | - | 6 9 12 | 365 | 15 | - |

CLAUDE H. HURLEY COMPANY BORING LOG

PROJECT NO. 3-380-D5 BORING NO. SB-319 (CONT)

PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR

LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+479.3 2.0mR PEORIA & TAZEWELL COUNTIES, ILLINOIS

DRILLING CONTRACTOR D & G DRILLING, INC.

DATE OF DRILLING: STARTED 11-26-97 COMPLETED 11-26-97 SURFACE ELEVATION 194.28

DRILLED BY D. ROESEL LOGGED BY R. HOEKSTRA

| Elev | CLASSIFICATION | Depth | GROUNDWATER DATA | | | | DRILLING METHOD | | |
|--------|--|--------|------------------|--------|----------|----------------------|-----------------|-------|--|
| | | | N Bp0.15m | Qu KPa | w % | Yd Kgpm ³ | DATE | DEPTH | HOUR |
| 180.41 | GR GRAVELLY SAND, A-1-b | 14 | 23 21 17 | - | 12 | - | - | - | RIG TYPE MOBILE B-57 0.10m FA-1.5m AUGER TYPE-DEPTH RH-16.8m |
| 179.19 | GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6 | 15 | 8 10 12 | - | 10 12 | - | - | - | CASING TYPE-DEPTH - SAMPLER TYPE AU-SS |
| 177.52 | END OF BORING | 17 | 7 9 10 | 270 | 11 | - | - | - | - |
| | | 16 | 2 10 12 | 400 | 13 | - | - | - | - |
| | | 183.15 | 15 25 20 | - | 10 | - | - | - | - |
| | | 182.70 | 10 15 17 | 395 | 13 | - | - | - | - |
| | | 17 | 6 9 12 | 365 | 15 | - | - | - | - |

LEGEND

A-1 to A-8 Engineering classifications of soil in accordance with AASHTO M 145 standard specification.

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart.

Laminated Coal Shale Textural and engineering classification of bedrock in accordance with conventional practice.

N,Bp0.15m N-value or standard penetration test value. Number of blows required to drive a standard split-spoon sampler 0.15 m as conducted in accordance with AASHTO T 206 standard specification.

Qu, kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

w, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Yd, kgpm³ Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard practice.

GROUNDWATER DATA

DD Water Level During Drilling

BAR Water Level Before Auger Removal

AAR Water Level After Auger Removal

DC Dry Cave Level

WC Wet Cave Level

d Days

h Hours

DRILLING METHOD

FA Flight Auger

RW Rotary Wash

HSA Hollow Stem Auger

SAMPLER TYPE

AU Auger

SS Standard Split-barrel

ST Thin-walled Tube

DB Core Barrel

NOTES

1. The abbreviations, symbols and definitions in this Legend are commonly used and understood in the engineering and construction practices and are presented only for information and communication.

2. The Geotechnical Data presented in this Legend and on the Boring Logs are to be interpreted by personnel educated, trained, experienced and licensed to practice Geotechnical Engineering, and in direct communication with the Claude H. Hurley Company.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS V

RAMPS B-3 AND B-5 OVER WAR MEMORIAL DR. AND RAMP B-6
F.A.I. ROUTE 74 SECTION (72-7) R-3
PEORIA COUNTY STA. 10+618.61 (RAMP B-3)
STA. 10+472.60 (RAMP B-5)
STRUCTURE NUMBER 072-0190

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

| | | | |
|-------------------|-----------------|-----------------|-----------------|
| DRAWING NO. 43 | SCALE N.T.S. | DATE 2-21-03 | SHEET NO. 43 |
|-------------------|-----------------|-----------------|-----------------|