Date: 11/23/2004 Time: 09:24:57 AM
Filename: P:\643996\structural\072-0183\Sheet\Tracings\BL000I-IA072083.dgn

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	495	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

CLAUDE H. HURLEY COMPANY

BORING LOG

PROJECT NO. 3-380-D5 BORING NO. SB-28

PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR

LOCATION BRIDGE NO. 072-0183 (STRUCTURE) RAMP B-4BL 10+432.7 (STATION) 2.4mR (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)

DRILLING CONTRACTOR D & G DRILLING, INC.

DATE OF DRILLING: STARTED 11-21-94 COMPLETED 11-21-94 SURFACE ELEVATION 195.20

DRILLED BY D. ROESEL LOGGED BY K. OLSON

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	11-21	12.34	-
RW	11-21	-	0
DC	11-23	0.91	48

DRILLING METHOD: RIG TYPE MOBILE B-57; AUGER TYPE-DEPTH 0.08m HSA-1.5m, RW-17.5m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

Elev / Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	Yd Kgpm³
	SHOULDER MATERIALS: 51mm AC, 254mm GRAVELLY SAND, A-1-b	AU	-	3	-
194.90		3 3 7	285	13	-
1		6 7 8	280	13	-
	FILL: BR SILTY CLAY LOAM, A-6	3 4 4	270	16	-
2		4 4 6	170	19	-
3	SAND, A-1-b SEAM	2 3 4	210	20	-
191.62		2 3 4	190	13	-
4	FILL: GR LOAM, A-4	4 7 9	350	13	-
190.46		2 4 5	375	24	-
5	FILL: BR GR & GRN GR SILTY CLAY, A-7-6				
189.70		1 3 4	220	22	-
6	BR, DK BR & GR SILTY CLAY, A-7-6	4 4 6	285	23	-
188.36					
7	BR, GR & DK BR SILTY CLAY LOAM, A-6				

Elev / Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	Yd Kgpm³
187.41	BR, GR & DK BR SILTY CLAY LOAM, A-6	4 4 4	430	14	-
8		3 5 5	240	23	-
186.65	BR, RD BR & DK BR SILTY CLAY, A-7-6	4 5 8	600	23	-
9		3 3 4	230	24	-
185.13	SAND, A-1-b SEAM	5 7 11	450	14	-
10	BR SILTY CLAY LOAM, A-4	11 5 15	575	14	-
11		9 10 14	730	15	-
182.84	BR SANDY LOAM, A-2-4	12 13 16	-	19	-
12			-	19	-
182.38	GR SILTY LOAM, A-4				
13					

CLAUDE H. HURLEY COMPANY

BORING LOG

PROJECT NO. 3-380-D5 BORING NO. SB-28 (CONT.)

PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR

LOCATION BRIDGE NO. 072-0183 (STRUCTURE) RAMP B-4BL 10+432.7 (STATION) 2.4mR (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)

DRILLING CONTRACTOR D & G DRILLING, INC.

DATE OF DRILLING: STARTED 11-21-94 COMPLETED 11-21-94 SURFACE ELEVATION 195.20

DRILLED BY D. ROESEL LOGGED BY K. OLSON

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	11-21	12.34	-
RW	11-21	-	0
DC	11-23	0.91	48

DRILLING METHOD: RIG TYPE MOBILE B-57; AUGER TYPE-DEPTH 0.08m HSA-1.5m, RW-17.5m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

Elev / Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	Yd Kgpm³
	GR SILTY LOAM, A-4	13 11 12	-	20	-
14		11 13 18	-	18	-
15		12 14 18	-	17	-
179.79	GR SAND, A-3	12 15 16	-	23	-
16		14 19 21	-	17	-
177.81	GR SILTY CLAY LOAM, A-4	10 12 15	-	21	-
17			630	11	-
177.66	END OF BORING				
18					
19					
20					

Elev / Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	Yd Kgpm³
21					
22					
23					
24					
25					
26					

CLAUDE H. HURLEY COMPANY

BORING LOG

PROJECT NO. 3-380-D5 BORING NO. SB-29

PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR

LOCATION BRIDGE NO. 072-0183 (STRUCTURE) RAMP B-4BL 10+285.2 (STATION) 0.7mR (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)

DRILLING CONTRACTOR D & G DRILLING, INC.

DATE OF DRILLING: STARTED 11-22-94 COMPLETED 11-22-94 SURFACE ELEVATION 196.65

DRILLED BY D. ROESEL LOGGED BY K. OLSON

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	11-22	10.82	
RW	11-22	-	0
WC	11-23	11.13	24

DRILLING METHOD: RIG TYPE MOBILE B-57; AUGER TYPE-DEPTH 0.08m HSA-1.5m, RW-16.0m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

Elev / Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	Yd Kgpm³
	SHOULDER MATERIALS: 140mm AC, 254mm GRAVELLY SAND, A-1-b	AU	-	5	-
196.37	FILL: BR & GRN GR SILTY CLAY, A-7-6	3 3 5	335	22	-
195.76					
1	FILL: GR & BR GRAVELLY SAND, A-1-b	4 5 8	-	7	-
194.61		4 4 5	-	13	-
2		4 5 5	190	16	-
3	FILL: BR & GR BR SILTY CLAY LOAM, A-6	4 5 5	575	21	-
192.69		4 4 7	220	22	-
4	BR, DK BR & GR SILTY CLAY, A-7-6	5 5 6	500	22	-
191.95					
5	GR BR & GR CLAY LOAM, A-6	3 3 4	-	18	-
191.04		2 2 2	-	20	-
6	BR & DK BR GRAVELLY LOAM, A-2-4	3 4 6	-	16	-
7					

Elev / Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	Yd Kgpm³
189.52	BR SAND, A-3	6 7 7	-	12	-
188.91					
8	BR SILT, A-4	4 5 7	-	21	-
188.14					
9	BR SILTY LOAM, A-4	8 7 9	-	23	-
187.23					
10	BR SAND, A-3	7 10 13	-	13	-
186.47					
11	BR GRAVELLY SAND, A-1-b	8 10 14	-	13	-
185.86					
12	BR GRAVELLY SAND, A-1-b	12 17 19	-	26	-
		14 21 26	-	14	-
184.33	BR SAND, A-3	11 12 12	-	14	-
183.56	BR SANDY LOAM, A-2-4				
13					

LEGEND

A-1 to A-8 (and subgroups)	Engineering classifications of soil in accordance with AASHTO M 145 standard specification.	Q_u, kPa	Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.
Silty Clay Loam	Textural classification of soil in accordance with IDOT Triangular Chart.	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.
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.	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

SAMPLE 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.

Notes:

For additional boring logs of Boring No. SB-29, see Sheet 53.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I

RAMPS B-1 AND B-4 OVER F.A.I. ROUTE 74 (I-74)
RAMPS A-3 AND B-3
F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY
STATION 10+779.03 STRUCTURE NUMBER 072-0183

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
52	N.T.S.	2-18-03	52