F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	•	TAZEWELL	1366	1247
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• (90-1)IR-2;90(13, 14, 14-)IR-1

CONTRACT NO. 68201

LEGEND - IDOT TEST BORING LOGS

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

BLOWS/150mm — Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification.

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

Moist, % — 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.

CLAUDE H. HURLEY COMPANY

BORING LOG

PROJECT NO. 3-380-D4 — BORING NO. BB-288

PROJECT FAI-34 IMPROVEMENTS - MAIN STREET CORRIDOR

LOCATION RETAINING WALL NO. 82 (STRUCTURE) RAMP K-2RL 10+356.2 (STATION) 5.0mR (OFFSET) — PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)

DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY

DATE OF DRILLING: STARTED 3-6-96 COMPLETED 3-5-96 SURFACE ELEVATION 157.02

DRILLED BY STEELE SCOTT — LOGGED BY: R. GERNANT

GROUNDWATER DATA	DATE	DEPTH	HOUR
DD	3-5	9.8	-
DC	3-5	6.3	0
DC	3-7	6.0	1d

DRILLING METHOD: RIG TYPE CME-55; AUGER TYPE-DEPTH 0.08m HSA-10.8m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

Elev	Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	W %	Yd Kgpm³
157.02	0	TOPSOIL FILL: DK BR SILTY LOAM, A-4	AU	-	28	-
156.84		BR SILTY LOAM, A-4	AU	-	18	-
156.41	1	BR & GR BR STRATIFIED CLAY, A-6 & SILTY LOAM, A-4	11 17 21	-	17	-
			11 26 37	-	13	-
155.04	2	BR, DK BR & GR SAND, A-1-b	11 12 13	-	5	-
			12 16 19	-	4	-
153.21	3	BR SAND, A-3	10 14 16	-	3 4	- -
152.48	4	BR & RD BR LOAM, A-4	13 27 39	- -	4 13	- -
151.53	5	BR, RD BR & GR GRAVELLY SAND, A-1-b	14 14 14	- -	14 9	- -
	6		14 17 24	-	4	-
	7		12 14 18	-	8	-
149.10	8	RR, RD BR & GR GRAVELLY SAND, A-1-b	10 16 20	-	4	-
			15 25 42	-	3	-
	9	BR & GR SAND, A-3	15 22 28	-	3	-
	10		25/ 0.25m	-	16	-
147.02		BR WEAKLY CEMENTED SANDSTONE	100/ 0.03m	-	-	-
146.66		DK GR TO GR LAMINATED CLAY SHALE	30 92 8	-	12	-
146.20	11	END OF BORING				
	12					
	13					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 10/31/02

ROUTE FAI-74 — DESCRIPTION High Mast Light Pole Foundation — LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12 — LOCATION . SEC. , TWP. , RNG.

COUNTY Peoria & Tazewell — DRILLING METHOD HSA — HAMMER TYPE AUTO

STRUCT. NO. —
Station —

BORING NO. HMSB-88
Station 152+864
Offset 31.00m Lt of EB BL
Ground Surface Elev. 145.70 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter none m
Upon Completion none m
After 24 Hrs. 140.6 m ▽

DEPTH (m)	BLOWS (/150 mm)	Qu (kPa)	MOIST (%)
NO SAMPLE TAKEN 0-.457m			
145.24			
Light Brown SANDY GRAVEL	11		
	14 11		7.4
144.48			
Brown CLAY LOAM	5		
-1.5	8 8	72 P	15.7
143.72			
Brown SANDY CLAY LOAM	1		
	2 2	24 P	15.5
142.96			
Gray CLAY LOAM TILL	4		
-3.0	6 7	177 B	17.9
	4		
	10 10	474 B	10.8
	5		
-4.5	6 6	376 B	11.3
▽	5		
	9 8	474 S	10.4
	5		
-6.0			

DEPTH (m)	BLOWS (/150 mm)	Qu (kPa)	MOIST (%)
Gray CLAY LOAM TILL (continued)	7 10	533 B	11.2
139.45			
End of Boring			
-7.5			
-9.0			
-10.5			
-12.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 12/1/03

ROUTE FAI-74 — DESCRIPTION High Mast Light Tower — LOGGED BY JAR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 — LOCATION . SEC. , TWP. , RNG.

COUNTY Peoria & Tazewell — DRILLING METHOD HSA — HAMMER TYPE AUTO

STRUCT. NO. —
Station —

BORING NO. HMSB-089A
Station 152+990
Offset 38.40m LT of EB BL
Ground Surface Elev. 144.13 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter none m
Upon Completion * See EOB m
After 24 Hrs. ** See EOB m

DEPTH (m)	BLOWS (/150 mm)	Qu (kPa)	MOIST (%)
no sample taken			
143.52			
Brown & Gray CLAY LOAM w/ tr of gravel	1		
	6 6	691 S	
-1.5	2		
	4 6	184 B	
-3.0	2		
	2 3	257 B	
	1		
	6 7	335 B	
139.71			
-4.5	5		
Brown Medium SAND(Tightly cemented)	10 12	192 P	
138.95			
DK. Brown SILTY CLAY LOAM w/ coal frags.	2		
	4 5	296 B	
138.19 -6.0			

DEPTH (m)	BLOWS (/150 mm)	Qu (kPa)	MOIST (%)
Brown & Gray CLAY LOAM (continued)	2 3 5	184 S	
137.43			
Brown SILTY CLAY LOAM	1		
	2 2	59 B	
-7.5			
	1		
	2 2	79 B	
136.21			
* H20e comp=none Hole coll. @ 6.37m			
** H20e24 hrs= none Hole coll. @ 6.24m			
End of Boring			
-9.0			
-10.5			
-12.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

LEGEND - CLAUDE H. HURLEY COMPANY TEST BORING LOGS

A-1 to A-8 (and subgroups) — 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.

Q_u, 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

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.

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE. CHICAGO, ILLINOIS 60601

LIGHTING SHEET 37 OF 41

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
SOIL BORINGS

DRAWN BY CDF
DATE: 12/20/04 CHECKED BY WJZ

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