F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1251
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* (90-10)R-2;90(13, 14, 14-DR-1

CONTRACT NO. 68201

CLAUDE H. HURLEY COMPANY
BORING LOG

PROJECT NO. 3-380-D4 BORING NO. SB-235
PROJECT FAI-74 IMPROVEMENTS - MAIN STREET/CAMP STREET CORRIDOR
LOCATION BRIDGE NO. 090-0156 (STRUCTURE) RAMP K-2BL 10+632.2 (STATION) 11.3mR (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR D & G DRILLING, INC.
DATE OF DRILLING: STARTED 11-1-94 COMPLETED 11-1-94 SURFACE ELEVATION 143.62
DRILLED BY D. ROESEL LOGGED BY J. DUDLICEK

DRILLING METHOD: RIG TYPE MOBILE B-57; AUGER TYPE-DEPTH 0.10m PA-1.5m, HW-11.4m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	11-1	DRY	-
RW	11-1	-	0
WC	11-4	2.1	3d

Elev	Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	γd Kgpm³
		TOPSOIL FILL: DK BR & BR SILTY LOAM, A-4	AU	-	19	-
143.32			3 2 2	315	12	-
	1		7 6 6	385	11	-
	2	FILL: DK BR & BR SILTY CLAY LOAM, A-6	6 6 7	410	14	-
	3		4 5 6	365	14	-
140.42		DK BR SILTY LOAM, A-4	4 10 11	470	11	-
139.66	4	DK BR TO BR LOAM, A-4	2 3 3	220	17	-
138.90	5	DK BR TO BR SILTY LOAM, A-4	3 3 5	260	24	-
	6		3 3 3	285	21	-
137.37	7	BR SILTY LOAM, A-4 W/ OCC COAL FRAGMENTS	1 1 2	65	21	-
	8	BR SILTY LOAM, A-4 W/ OCC COAL FRAGMENTS	1 1 2	50	23	-
			3 3 5	180	22	-
135.09	9	DK GR & GRN GR MASSIVE CLAY SHALE	7 17 38	-	19	-
134.33	10	LT GRN GR MASSIVE CLAY SHALE	31 79 100/0.08m	-	16	-
			46 82 100/0.08m	-	17	-
	11		31 33 100	-	15	-
132.19	12	END OF BORING				
	13					

CLAUDE H. HURLEY COMPANY
BORING LOG

PROJECT NO. 3-380-D4 BORING NO. SB-239
PROJECT FAI-74 IMPROVEMENTS - MAIN STREET CORRIDOR
LOCATION BRIDGE NO. 090-0160 (STRUCTURE) RAMP K-2BL 10+495.1 (STATION) 6.8mR (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY
DATE OF DRILLING: STARTED 4-5-96 COMPLETED 4-8-96 SURFACE ELEVATION 152.02
DRILLED BY S. SCOTT LOGGED BY M. DENAULT/S. ARENDS

DRILLING METHOD: RIG TYPE CME-850; AUGER TYPE-DEPTH 0.08m HSA-3.8m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS-NX

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	4-8	DRY	-
AAR	4-8	7.0	0
-	4-9	7.0	1d

Elev	Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	γd Kgpm³
		TOPSOIL FILL: BR, DK BR & YEL BR LOAM, A-4	AU	-	7	-
151.84			AU	-	1	-
	1		AU	-	10	-
		BR SANDY LOAM, A-4	AU	-	12	-
	2		9 12 21	-	6	-
	3		16 27 27	-	5	-
148.67		BR SAND, A-3	16 12 10	-	2	-
148.02	4	BR GRAVELLY SAND, A-1-b COAL FRAGMENTS	6 7 10	-	5	-
147.14	5	GR WEAKLY CEMENTED SANDSTONE	100/0.13m	-	9	-
146.69		BR CEMENTED SANDSTONE	NX	REC = 100% RQD = 100%		
146.29	6	GR CEMENTED SANDSTONE	NX	REC = 100% RQD = 100%		
145.41	7	BLK & DK YEL BR COAL (VOID)	NX	REC = 100% RQD = 0%		
	8	BLK & DK YEL BR COAL (VOID)	NX	REC = 100% RQD = 0%		
143.88		DK GR TO GR LAMINATED CLAY SHALE	NX	REC = 100% RQD = 100%		
143.46	9	BLK COAL (VOID)	NX	REC = 100% RQD = 0%		
143.00		DK GR TO GR LAMINATED CLAY SHALE	NX	REC = 100% RQD = 48%		
142.36	10	GR, DK GR & GRN GR MASSIVE CLAY SHALE	NX	REC = 100% RQD = 100%		
141.90	11	LT GRN TO GR MASSIVE CLAY SHALE	NX	REC = 100% RQD = 0%		
			100/0.13m	-	9	-
	12		100/0.15m	-	12	-
	13		39 64/0.10m	-	14	-

CLAUDE H. HURLEY COMPANY
BORING LOG

PROJECT NO. 3-380-D4 BORING NO. SB-272
PROJECT FAI-74 IMPROVEMENTS - MAIN STREET CORRIDOR
LOCATION BRIDGE NO. 090-0009 (STRUCTURE) WB1-74BL 153+491.4 (STATION) 10.8mL (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR WANG ENGINEERING, INC.
DATE OF DRILLING: STARTED 10-12-94 COMPLETED 10-12-94 SURFACE ELEVATION 152.03
DRILLED BY R. BELL LOGGED BY M. DOOLEY

DRILLING METHOD: RIG TYPE CME-55; AUGER TYPE-DEPTH 0.15m HSA-10.3m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	10-12	8.1	-
BAR	10-12	9.8	-
DC	10-13	2.9	1d

Elev	Depth	CLASSIFICATION	N Bp0.15m	Qu KPa	w %	γd Kgpm³
		SHOULDER MATERIALS: 203mm AC	-	-	-	-
152.01		FILL: DK GR BR LOAM, A-4	5 5 9	150	12	-
151.12	1	FILL: BR SANDY LOAM, A-2-4	6 9 6	-	9	-
150.36	2	FILL: BR CLAY LOAM, A-6	5 3 3	190	11	-
149.60	3	FILL: BR SILTY CLAY, A-7-6	2 4 4	170	25	-
148.83	4	FILL: BR CLAY LOAM, A-6	0 4 6	285	13	-
147.92		FILL: BR SILT, A-4	5 8 7	-	17	-
147.31	5	FILL: BR SILTY LOAM, A-4	2 2 4	95	16	-
	6		5 3 3	95	17	-
145.33	7	FILL: DK BR & BR CLAY LOAM, A-6	9 7 10	150 / 240	19 / 15	- / -
145.02						
	8	FILL: DK BR & DK GR SILTY CLAY, A-6 W/ COAL FRAGMENTS	7 5 3	-	23 / 17	- / -
144.72		FILL: BR, GR BR & GR SILT, A-4	2 2 3	-	17	-
143.50		FILL: DK GR, BR & GR SILT, A-4	2 5 25	-	42 / 12	- / -
143.04	9	DK GR LAMINATED CLAY SHALE	48 100/0.05m	-	11	-
141.98	10	GRN GR TO GR LAMINATED CLAY SHALE	100/0.10m	-	19	-
141.73		END OF BORING				
	11					
	12					
	13					

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.
γd, 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 41 OF 41

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
SOIL BORINGS

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

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