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.BpO.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, $kgpm^3$	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.

CLAUDE H. HURLEY COMPANY

BORING LOG

BORING NO. SB-233

PROJECT NO. 3-380-04
PROJECT FAI-74 IMPROVEMENTS - MAIN STREET/CAMP STREET CORRIDOR
LOCATION BRIDGE NO. 090-0156 RAMP K-2EB 10+616.1 3.3mL (STRUCTURE / STATION / OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR D & G DRILLING, INC.
DATE OF DRILLING: STARTED 12-28-04 COMPLETED 12-28-04 SURFACE ELEVATION 143.27
DRILLED BY D. NOESEL LOGGED BY N. DOOLEY

DRILLING METHOD: RIG TYPE MOBILE B-57; AUGER TYPE-DEPTH 0.10m FA-8.5m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

GROUNDWATER DATA

DATE	DEPTH	HOUR
12-28	DRY	-
12-28	DRY	0
1-3	1.5	66

Elev	Depth	N BpO.15m	Q_u KPa	w %	γd Kgpm³	CLASSIFICATION
						PAVEMENT MATERIALS: 30mm AC, 165mm PCC
143.03		AU	-	3	-	
	1	5 8 5	395	11	-	FILL: DK BR & BR SILTY CLAY LOAM, A-6
	2	2 3 3	280	16	-	
141.59						BGK TO DK BR SILTY LOAM, A-7-5
	3	3 4 5	-	21	-	
140.83						DK BR TO BR LOAM, A-4
	4	3 5 7	180	20	-	
140.07						DK BR TO BR SILTY LOAM, A-4
	5	4 5 6	270	22	-	
139.31						BR, GR & GRN GR SILTY CLAY, A-7-6
	6	4 5 8	270	26	-	
	7	5 6 9	280	24	-	
137.78						DK GR & GRN GR MASSIVE CLAY SHALE
	8	11 17 33	-	16	-	
137.02						LT GRN GR MASSIVE CLAY SHALE
	9	17 33 67	-	11	-	
	8	35 100	-	10	-	LT GRN GR MASSIVE CLAY SHALE
	8	100/0.13m	-	10	-	
	9	100/0.12m	-	13	-	
134.69						END OF BORING

CLAUDE H. HURLEY COMPANY

BORING LOG

BORING NO. SB-234

PROJECT NO. 3-380-04
PROJECT FAI-74 IMPROVEMENTS - MAIN STREET/CAMP STREET CORRIDOR
LOCATION BRIDGE NO. 090-0156 RAMP K-2EB 10+592.8 7.2mL (STRUCTURE / STATION / 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 143.56
DRILLED BY D. NOESEL LOGGED BY J. DROLICZK

DRILLING METHOD: RIG TYPE MOBILE B-57; AUGER TYPE-DEPTH 0.10m FA-1.5m SM-7.5m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-SS

GROUNDWATER DATA

DATE	DEPTH	HOUR
11-1	DRY	-
11-1	-	0
11-3	1.2	38

Elev	Depth	N BpO.15m	Q_u KPa	w %	γd Kgpm³	CLASSIFICATION
						SIDEWALK MATERIALS: 76mm AC
143.47		AU	-	-		
	1	2 2 2	-	35	-	FILL: BR, DK BR & GRN GR SILTY CLAY LOAM, A-6
142.65						
	2	2 4 5	270	29	-	FILL: BR, GRN GR & GR SILTY CLAY, A-7-6
141.40						DK GR LAMINATED CLAY SHALE
	3	3 4 5	335	22	-	
141.12						DK GR & GRN GR MASSIVE CLAY SHALE
	4	-	-	15	-	
	5	10 12 17	-	19	-	
	6	6 10 14	-	18	-	
139.60						LT GRN GR MASSIVE CLAY SHALE
	7	17 34 78	-	13	-	
	8	34 75 100/0.10m	-	15	-	
	9	38 100	-	14	-	
	9	39 100/0.12m	-	15	-	
	8	40 100	-	14	-	LT GRN GR MASSIVE CLAY SHALE
136.09						END OF BORING

CLAUDE H. HURLEY COMPANY

BORING LOG

BORING NO. SB-235

PROJECT NO. 3-380-04
PROJECT FAI-74 IMPROVEMENTS - MAIN STREET/CAMP STREET CORRIDOR
LOCATION BRIDGE NO. 090-0156 RAMP K-2EB 10+652.2 11.5mR (STRUCTURE / STATION / 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. NOESEL LOGGED BY J. DROLICZK

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

GROUNDWATER DATA

DATE	DEPTH	HOUR
11-1	DRY	-
11-1	-	0
11-4	2.1	36

Elev	Depth	N BpO.15m	Q_u KPa	w %	γd Kgpm³	CLASSIFICATION
						TOPSOIL FILL: DK BR SILTY LOAM, A-6
143.32		AU	-	19	-	
	1	2 2 2	315	12	-	
	2	7 6 6	385	11	-	FILL: DK BR & BR SILTY CLAY LOAM, A-6
	3	6 6 7	410	14	-	
	4	4 5 6	365	14	-	
140.42						BR BR SILTY LOAM, A-6
	5	4 10 11	470	11	-	
139.66						DK BR TO BR LOAM, A-6
	6	2 2 3	220	17	-	
138.90						BR GR TO BR SILTY LOAM, A-6
	7	3 3 5	280	24	-	
	8	3 3 5	285	21	-	
137.37						BR SILTY LOAM, A-6 W/ OCC COAL FRAGMENTS
	9	1 1 2	65	21	-	
	8	1 1 2	50	23	-	BR SILTY LOAM, A-4 W/ OCC COAL FRAGMENTS
	8	3 3 5	180	22	-	
135.09						DK GR & GRN GR MASSIVE CLAY SHALE
	9	7 17 38	-	19	-	
134.33						LT GRN GR MASSIVE CLAY SHALE
	10	31 79 100/0.08m	-	16	-	
	11	46 80 100/0.08m	-	17	-	
	11	31 33 100	-	15	-	
132.39						END OF BORING

DESIGNED	WJZ
CHECKED	SWS
DRAWN	RMG
CHECKED	DJM

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 3573

ILLINOIS DEPARTMENT OF TRANSPORTATION
RAMP K-2 OVER
MAIN ST & RAMP J-3
F.A.I. ROUTE 74 (I-74)
SECTION 90-11HB-5

SOIL BORING LOGS
SB-233, SB-234 & SB-235

SN: 090-0156 STA. 10+529.222
TAZEWELL CO., IL. DATE: 12-23-04

2/3/2005

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