

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	540	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

Date: 11/22/2004 Time: 04:03:51 PM

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CLAUDE H. HURLEY COMPANY														
BORING LOG					BORING NO. SB-291									
PROJECT NO. 3-380-D5 PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR														
LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+469.8 8.6mL PEORIA & TAZEWELL COUNTIES, ILLINOIS														
DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY														
DATE OF DRILLING: STARTED 3-15-96 COMPLETED 3-15-96 SURFACE ELEVATION 194.19														
DRILLED BY R. WULF LOGGED BY S. ARENDS														
Elev	CLASSIFICATION	Depth	N Bp0.15m	Q _u KPa	W %	γ _d Kgpm ³	GROUNDWATER DATA			DRILLING METHOD				
							DATE	DEPTH	HOUR	RIG TYPE	DEPTH	HOUR		
193.98	SHOULDER MATERIALS: 127m AC						DD	3-15	10.52	-	CHE-55			
193.5	FILL: BR SILT. CLAY LOAM, A-6		AU	-	17	-	AAR	3-15	11.34	0	CHE-55	0.08m HSA-18.6m		
193.5	BR SILTY CLAY LOAM, A-4		5 9 11	285	14	-								
192.97	GR TO BR GR LOAM TO CLAY LOAM, A-4 TO A-6		7 11 14	295	14	-								
			7 12 14	335	14	-								
			6 11 14	395	13	-								
			5 7 11	260	14	-								
			6 9 14	470	13	-								
			7 8 11	220	14	-								
			5 7 11	355	13	-								
			5 8 11	290	13	-								

CLAUDE H. HURLEY COMPANY														
BORING LOG					BORING NO. SB-291 (CONT.)									
PROJECT NO. 3-380-D5 PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR														
LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+469.8 8.6mL PEORIA & TAZEWELL COUNTIES, ILLINOIS														
DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY														
DATE OF DRILLING: STARTED 3-15-96 COMPLETED 3-15-96 SURFACE ELEVATION 194.19														
DRILLED BY R. WULF LOGGED BY S. ARENDS														
Elev	CLASSIFICATION	Depth	N Bp0.15m	Q _u KPa	W %	γ _d Kgpm ³	GROUNDWATER DATA			DRILLING METHOD				
							DATE	DEPTH	HOUR	RIG TYPE	DEPTH	HOUR		
180.76	GR SANDY GRAVEL, A-1-a		10 19 21	-	17	-	DD	3-15	10.52	-	CHE-55			
			10 17 18	-	16	-	AAR	3-15	11.34	0	CHE-55	0.08m HSA-18.6m		
			6 9 15	335	13	-								
			7 12 16	400	13	-								
			7 12 15	170	13	-								
			8 12 15	210	13	-								
			8 11 13	200	14	-								
175.60	END OF BORING													

CLAUDE H. HURLEY COMPANY														
BORING LOG					BORING NO. SB-292									
PROJECT NO. 3-380-D5 PROJECT FAI-74 IMPROVEMENTS - WAR MEMORIAL DRIVE CORRIDOR														
LOCATION BRIDGE NO. 072-0190 RAMP B-SBL 10+515.3 29.6mL PEORIA & TAZEWELL COUNTIES, ILLINOIS														
DRILLING CONTRACTOR CENTRAL ILLINOIS DRILLING COMPANY														
DATE OF DRILLING: STARTED 2-26-96 COMPLETED 2-27-96 SURFACE ELEVATION 193.94														
DRILLED BY M. WULF LOGGED BY S. ARENDS														
Elev	CLASSIFICATION	Depth	N Bp0.15m	Q _u KPa	W %	γ _d Kgpm ³	GROUNDWATER DATA			DRILLING METHOD				
							DATE	DEPTH	HOUR	RIG TYPE	DEPTH	HOUR		
193.33	TRENCH BACKFILL: BR, GR & RD BR SILTY CLAY LOAM, A-6		AU	-	26	-	DD	2-26	8.99	-	CHE-55	0.08m HSA-10.7m		
			5 10 12	280	14	-	AAR	2-27	7.77	0	CHE-55	RM-6.4m		
			2-28	3.35	24									
			6 11 15	285	14	-								
			5 9 15	190	15	-								
			3 7 7	250	14	-								
			5 6 9	335	14	-								
			4 6 11	315	13	-								
			4 6 9	240	13	-								
			5 6 9	230	13	-								
			5 10 13	285	14	-								

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/ASTM D 2216 for bedrock.
Laminated Coal Shale	Textural and engineering classification of bedrock in accordance with conventional practice.	γ _d , kgpm ³	Dry unit weight of soil and bedrock in kilograms per cubic meter determined in accordance with standard 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.		

GROUNDWATER DATA		DRILLING METHOD	
DD	Water Level During Drilling	FA	Flight Auger
BAR	Water Level Before Auger Removal	RW	Rotary Wash
AAR	Water Level After Auger Removal	HSA	Hollow Stem Auger
DC	Dry Cave Level	SAMPLE TYPE	
WC	Wet Cave Level	AU	Auger
d	Days	SS	Standard Split-barrel
h	Hours	ST	Thin-walled Tube
		DB	Core Barrel

NOTES

- 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.
- 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-292, see Sheet 42.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS III			
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. 41	SCALE N.T.S.	DATE 2-21-03	SHEET NO. 41