STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	*	PEORIA	1360	1035
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 13 of 15 SHEETS

* (72-7)R-3 Contract 68200

CLAUDE H. HURLEY COMPANY — BORING LOG

PROJECT NO. 3-380-D1 BORING NO. CB 49
PROJECT FAI-74 IMPROVEMENTS - GALE AVENUE CORRIDOR
LOCATION CULVERT (STRUCTURE) WBI-74BL 145+688.1 (STATION) 26.8mL (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR WANG ENGINEERING, INC.
DATE OF DRILLING: STARTED 10-19-94 COMPLETED 10-19-94 SURFACE ELEVATION 168.59
DRILLED BY R. BELL LOGGED BY K. OLSON

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	10-19	DRY	-
-	10-19	DRY	0
-	10-20	5.8	1d

DRILLING METHOD: RIG TYPE CME-55; AUGER TYPE-DEPTH 0.15m HSA-15.2m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-DS

Elev	Classification	Depth	N (Bp0.15m)	Qu KPa	W %	γd Kgpm3
	1.0 IN. BOOT MAT					
			AU	-	7	-
	FILL: BR SAND, A-1-b W/ SILTY CLAY, A-6 LUMPS		4 3 3	-	8	-
		1	7 12 9	-	10	-
167.12						
		2	6 6 8	815	11	-
		3	5 8 9	500	12	-
	GR TO GR BR LOAM TO CLAY LOAM, A-4 TO A-6					
		4	4 6 9	450	12	-
		5	5 7 9	490	13	-
	SILT, A-4 SEAMS					
		6	4 7 13	430	13	-
			5 9 9	410 555	12 14	- -
	SILT, A-4 SEAMS	7	5 6 8	460	14	-

Elev	Classification	Depth	N (Bp0.15m)	Qu KPa	W %	γd Kgpm3
	GR TO GR BR LOAM TO CLAY LOAM, A-4 TO A-6					
		8	5 5 8	375	14	-
	SILT, A-4 SEAMS	9	5 7 9	545	13	-
			5 7 10	430	13	-
	159.29 GR LOAM, A-4 W/ SILT A-4 SEAMS		10	-	14	-
	158.98 BR SAND, A-1-b	10	14 13	-	5	-
		11	7 10 12	-	5	-
		12	8 9 16	-	4	-
		13	8 13 17	-	4	-
			9 10 10	-	4	-

CLAUDE H. HURLEY COMPANY — BORING LOG

PROJECT NO. 3-380-D1 BORING NO. CB 49 (CONT)
PROJECT FAI-74 IMPROVEMENTS - GALE AVENUE CORRIDOR
LOCATION CULVERT (STRUCTURE) WBI-74BL 145+688.1 (STATION) 26.8mL (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR WANG ENGINEERING, INC.
DATE OF DRILLING: STARTED 10-19-94 COMPLETED 10-19-94 SURFACE ELEVATION 168.59
DRILLED BY R. BELL LOGGED BY K. OLSON

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	10-19	DRY	-
-	10-19	DRY	0
-	10-20	5.8	1d

DRILLING METHOD: RIG TYPE CME-55; AUGER TYPE-DEPTH 0.15m HSA-15.2m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-DS

Elev	Classification	Depth	N (Bp0.15m)	Qu KPa	W %	γd Kgpm3
			8 12 16	-	4	-
	BR SAND, A-1-b	14	10 16 29	-	2	-
		15	7 11 11	-	4	-
153.35	END OF BORING	16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				
		26				

CLAUDE H. HURLEY COMPANY — BORING LOG

PROJECT NO. 3-380-D1 BORING NO. CB 50
PROJECT FAI-74 IMPROVEMENTS - GALE AVENUE CORRIDOR
LOCATION CULVERT (STRUCTURE) WBI-74BL 145+753.5 (STATION) 27.8mL (OFFSET) PEORIA & TAZEWELL COUNTIES, ILLINOIS (STATE)
DRILLING CONTRACTOR WANG ENGINEERING, INC.
DATE OF DRILLING: STARTED 10-19-94 COMPLETED 10-19-94 SURFACE ELEVATION 169.86
DRILLED BY R. BELL LOGGED BY K. OLSON

GROUNDWATER DATA

	DATE	DEPTH	HOUR
DD	10-19	DRY	-
-	10-19	DRY	0
-	10-20	9.9	1d

DRILLING METHOD: RIG TYPE CME-55; AUGER TYPE-DEPTH 0.15m HSA-14.5m; CASING TYPE-DEPTH -; SAMPLER TYPE AU-DS

Elev	Classification	Depth	N (Bp0.15m)	Qu KPa	W %	γd Kgpm3
	TOPSOIL FILL: DK BR CLAY LOAM, A-4					
			AU	-	8	-
169.66						
			8 8 8	-	6	-
	FILL: BR SAND, A-1-b	1	5 7 6	-	7	-
168.31						
	FILL: GR SILTY CLAY LOAM, A-6	2	4 3 5	240	10	-
167.55						
	FILL: BR SAND, A-1-b	3	6 5 10	-	5	-
		4	9 8 9	-	6	-
			3 2 2	-	6	-
165.66						
	GR TO GR BR LOAM TO CLAY LOAM, A-4 TO A-6	5	2 4 4	325	13	-
		6	4 5 7	260	13	-
		7	4 6 8	400	13	-

Elev	Classification	Depth	N (Bp0.15m)	Qu KPa	W %	γd Kgpm3
	GR TO GR BR LOAM TO CLAY LOAM, A-4 TO A-6					
		8	5 8 10	395	12	-
		9	4 7 8	285	14	-
161.45						
	GR SILTY LOAM, A-4 W/ OCC SILT & SAND SEAMS	10	12 19 13	575	16	-
			8 12 13	835	12	-
			4 5 8	335	13	-
159.17	GR LOAM, A-4 W/ SILT A-4 SEAMS	11	9	-	22	-
158.86	BR SAND, A-3 W/ SILTY CLAY A-6 LUMPS		15 20	-	7	-
158.40	BR SAND, A-1-b	12	12 12 13	-	6	-
		13	9 10 12	-	4	-

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

A-1 to A-7 (and subgroups)	Engineering classifications of soil samples in accordance with AASHTO M 145 standard specification.
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 sample in kilopascals determined in accordance with AASHTO T 208 standard specification.
STRAIN, %	Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).
WATER CONTENT, %	Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.
Penetrometer Estimate	An approximation of the unconfined compressive strength of the soil sample in kilopascals obtained with the use of a calibrated hand penetrometer device.
50 mm ST	50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
γd	Dry unit weight of soil specimen in kilograms per cubic meter.
REC.	Length of sample recovered in millimeters.

DESIGNED	LLV
CHECKED	PJL
DRAWN	MGM
CHECKED	LLV

BORING LOGS
NORTH & SOUTH CULVERT EXTENSION
RAMP C-3 OVER DRY RUN CREEK
F.A.I. ROUTE 74(I-74) SECTION (72-7)R-3
PEORIA COUNTY
STATION 10+277.51 TO
STA. 10+441.66 (RAMP C-3)
STRUCTURE NUMBER 072-2005

CLARK ENGINEERS, INC.
111 NE Jefferson Ave.
Peoria, Illinois 61602
Ph(309)676-8464
FAX(309)676-5445

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