

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15 of 15 SHEETS
F.A.I. 74	*	PEORIA	1360	1037	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. RD. PROJECT			

\* (72-TR-3) Contract 68200

CLAUDE H. HURLEY COMPANY											
BORING LOG											
PROJECT NO. 3-380-D1					BORING NO. CB 53						
PROJECT F.A.I. 74 IMPROVEMENTS - GALE AVENUE CORRIDOR											
LOCATION CULVERT NBI-74BC 145+826.0 43.0mL PEORIA & TAZEWELL COUNTIES, ILLINOIS											
DRILLING CONTRACTOR WANG ENGINEERING, INC.											
DATE OF DRILLING: STARTED 10-20-94 COMPLETED 10-20-94 SURFACE ELEVATION 265.55											
DRILLED BY R. BELL LOGGED BY K. OLSON											
Elev.	CLASSIFICATION	Depth	N BpG.15m	Q <sub>u</sub> kPa	W %	Y <sub>d</sub> kg/m <sup>3</sup>	GROUNDWATER DATA			DRILLING METHOD	
							DATE	DEPTH	HOUR		
166.33	TOPSOIL FILL: BK BR CLAY LOAM, A-4	1	7	-	15	-	DB	10-20	DRY	-	CMF-55
166.33	FILL: BR SILTY CLAY LOAM, A-5	2	7	420	6	-	DC	10-21	DRY	D	CMF-55
165.72	FILL: GR SILTY CLAY LOAM, A-5	3	4	285	9	-	GR	10-21	DRY	D	CMF-55
164.96	FILL: BR SAND, A-1-b	4	5	-	6	-	BR	10-21	DRY	D	CMF-55
164.20	GR CLAY LOAM TO SILTY LOAM, A-4 TO A-6	5	2	115	17	-	GR	10-21	DRY	D	CMF-55
161.15	GR TO GR BR LOAM TO CLAY LOAM, A-4 TO A-6 W/ SILT, A-4 SEAMS	6	3	105	17	-	GR	10-21	DRY	D	CMF-55
160.39	GR BR STRATIFIED SILT, A-4	7	3	85	18	-	GR	10-21	DRY	D	CMF-55
159.62	END OF BORING	8	2	145	15	-	GR	10-21	DRY	D	CMF-55

Illinois Department of Transportation									
SOIL BORING LOG									
ROUTE F.A.I. 74					DESCRIPTION High Mast Light Pole Foundation				
SECTION 72-6.7, 8.2-1, 9.0-11, 9.0-12, 13, 14 LOCATION SEC. 1, TWP. 3, R. 10E.									
COUNTY Peoria & Tazewell DRILLING METHOD NSA HAMMER TYPE AUTO									
STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	F	L	C	O
	H	S	O	T		H	S	O	T
BORING NO. HNS-036					Groundwater Elev.:				
Station 145+715					First Encounter 166.3 m				
Offset 34.0m N of ER BL					Upon Completion 165.9 m				
Ground Surface Elev. 176.05 m					After 24 Hrs. not taken				
NO SAMPLE TAKEN									
Brown CLAY LOAM w/ some sand									
Brown FINE SAND									
Dry SILTY CLAY									
Light Brown & Light Gray SANDY CLAY LOAM w/ trace of silt									
Dry FINE SAND w/ trace of clay									
Dark Gray SILTY CLAY									
Gray CLAY LOAM FILL									

RSV ENGINEERING, INC.									
BORING LOG									
JOB NO. 98600 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION					BORING NO. C-7				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois									
LOCATION: Culvert at Ramp C-3 Over Dry Run Creek SN 072-2005									
BORING RIG & METHOD: CME-450 (ATV) w/ Hoikow Stem Augers									
STATION: 10+447					SURF ELEV. 167.65				
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %	
75mm Root Zone Material, FILL: Br Organic Silty CLAY	167.40		0.00-0.30		Auger				21
FILL: Br Sandy CLAY	166.98		0.30-0.76	305	2		77*		17
FILL: Gr Clayey SAND, little (+) c-f Gravel	166.40		1.07-1.52	305	2		259	15	14
Very Stiff to Hard Br to Gr Silty CLAY, little c-f Sand			1.83-2.29	432	6		460	15	14
			2.59-3.05	457	4		440	15	12
Medium Dense Br SAND			3.35-3.81	457	9		297	15	12
			4.11-4.57	457	3		373	15	13
Very Stiff to Hard Gr Silty CLAY, little c-f Sand, trace m-f Gravel			4.88-5.33	457	5		412	15	14
			5.64-6.10	406	3		249	15	15
Very Stiff Gr Silty CLAY, little c-f Sand, trace c-f Gravel			6.40-6.86	457	8		259	15	14
			7.16-7.62	330	10				9
Medium Dense to Dense Gr SAND, trace Clay			7.92-8.38	457	6		431*		15
			8.09-9.14	457	15		440	15	13
Hard Gr Silty CLAY, little c-f Sand			9.45-9.91	457	9		431*		14
			10.21-10.57	457	19				7
Dense Br SAND			10.97-11.43	381	15				12
Boring terminated at 11.4m									
REMARKS									
* Denotes Calibrated Penetrometer Estimate									
WATER	2.7m ELEV. 164.90 DURING DRILLING	CORE SIZE	mm	DATE	May 23, 00				
WATER	m ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER	Stafford				
WATER	0.9m ELEV. 166.73 AFTER 48 HRS	CASING DIAMETER	mm	INSPECTOR	Reed				

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.	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.
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.	50 mm ST	50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
q <sub>u</sub> , kPa	Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification.	Y <sub>d</sub>	Dry unit weight of soil specimen in kilograms per cubic meter.
STRAIN, %	Actual strain of soil sample at failure (15 percent maximum allowed) during unconfined compression strength test (see AASHTO T 208 specification).	REC.	Length of sample recovered in millimeters.
WATER CONTENT, %	Natural moisture content of soil sample in percent determined in accordance with AASHTO T 265 standard specification.		

DESIGNED	LLV
CHECKED	P.JL
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



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