

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	550	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

Time: 11/22/2004 11:22:47 AM

Date: 11/22/2004 File: P:\643996\structure\072-2030-culvert\sheet\sheet1.dgn

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-2						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 11+068						
LOCATION: Culvert at Ramp B-3 over Dry Run Creek SN 072-2030		OFFSET: 10.8m Rt						
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 193.32						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %
Very Stiff Gr Loam A-4			12.50-12.95	457	6	335	15	12
			13.26-13.72	457	6	326	15	13
Very Dense Gr Sand A-1-b	179.14		14.02-14.48	457	17	316	15	13
	178.84				27-43			
Boring terminated at 14.5 m								
REMARKS			CME Automatic Hammer Used. *Denotes Calibrated Penetrometer Estimate					
WATER	Drym	ELEV.	DURING DRILLING	CORE SIZE	mm	DATE:	Apr 28, 00	
WATER	m	ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Olson	
WATER	Drym	ELEV.	AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed	

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-3						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 11+072						
LOCATION: Culvert at Ramp B-3 over Dry Run Creek SN 072-2030		OFFSET: 2.0m Lt						
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 190.83						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %
Root Zone Material: Br Clay Loam A-4; Organic matter noted	190.49		0.00-0.30	Auger				18
Very Loose Br Sand A-3			0.30-0.76	203	1-1			6
			1.07-1.52	432	2-2			16
Loose Br Sand A-3			1.83-2.29	457	4-6	259	15	13
			2.59-3.05	457	9-11	239	15	13
Very Stiff Gr Loam A-4			3.35-3.81	457	7-10	230	15	13
			4.11-4.57	457	6-10	239	15	12
Very Stiff Gr Loam A-4			4.88-5.33	457	9-12	268	15	11
			5.64-6.10	457	9-11	287	15	11
Very Stiff Gr Loam A-4			6.40-6.86	457	9-12	220	15	13
			7.16-7.62	457	10-13	201	15	12
Very Stiff Gr Loam A-4			7.92-8.38	457	13-16	354	15	12
			8.69-9.14	457	12-16	345	15	13
Very Stiff Gr Loam A-4			9.45-9.91	457	11-14	287	15	13
			10.21-10.67	457	11-15	306	15	12
Very Dense Gr Sand A-1-b	179.25		10.97-11.43	457	10-15	287	15	13
	178.64		11.73-12.19	381	12	28-41		4
Boring terminated at 12.2m								
REMARKS			CME Automatic Hammer Used. *Denotes Calibrated Penetrometer Estimate					
WATER	Drym	ELEV.	DURING DRILLING	CORE SIZE	mm	DATE:	Jun 2, 00	
WATER	m	ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Winslow	
WATER	Drym	ELEV.	AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed	

**LEGEND**

- 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<sub>u</sub>, 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.
- Y<sub>d</sub>     Dry unit weight of soil specimen in kilograms per cubic meter.
- REC.     Length of sample recovered in millimeters.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS II			
RAMP B-3 OVER DRY RUN CREEK F.A.I. ROUTE 74     SEC. (72-7)R-3 PEORIA COUNTY STA. 11+072.082 (RAMP B-3) STRUCTURE NUMBER 072-2030			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 7	SCALE N.T.S.	DATE 8/31/04	SHEET NO. 7