

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	549	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

Date: 11/22/2004 Time: 11:22:14 AM File: P:\643996\Structure\072-2030-culvert\sheet\Tracings\BL0001-A0722030.dgn

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-1	STATION: 11+056	OFFSET: 15.1m Lt	SURF ELEV: 191.06			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Culvert at Ramp B-3 over Dry Run Creek SN 072-2030	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers						
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	190.69		0.00-0.30		Auger 1			20
			0.30-0.76	305	1-1			18
Very Loose to Loose Br Sandy Loam A-2-4; roots noted Cobble noted at 2.0m			1.07-1.52	406	2-3			28
	188.44		1.83-2.29	152	11 14-15			13
Very Stiff to Stiff Gr Loam A-4			2.59-3.05	457	3 6-13	364	15	14
	187.10		3.35-3.81	152	7 10-13	14*		17
			4.11-4.57	457	4 8-11	278	15	13
		5	4.88-5.33	457	5 7-11	316	15	12
			5.64-6.10	457	3 7-9	230	15	15
			6.40-6.86	457	5 9-12	335	15	14
Very Stiff Gr Loam A-4			7.16-7.62	457	6 9-12	268	15	13
			7.92-8.38	457	8 11-15	316	15	14
			8.69-9.14	457	9 11-16	373	15	13
		10	9.45-9.91	457	9 12-16	259	15	13
			10.21-10.67	457	6 10-14	345	15	13
	179.72		10.97-11.43	457	4 8-20	268	15	13
Medium Dense to Dense Gr Sand A-1-b			11.73-12.19	457	14 18-20			3
REMARKS CME Automatic Hammer Used.						*Denotes Calibrated Penetrometer Estimate		
WATER	3.4m ELEV. 187.70	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			

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-1	STATION: 11+056	OFFSET: 15.1m Lt	SURF ELEV: 191.06			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Culvert at Ramp B-3 over Dry Run Creek SN 072-2030	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %
Medium Dense to Dense Gr Sand A-1-b	178.10		12.50-12.95	356	14 21-23			3
Boring terminated at 13.0m								
REMARKS CME Automatic Hammer Used.						*Denotes Calibrated Penetrometer Estimate		
WATER	3.4m ELEV. 187.70	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			

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-2	STATION: 11+068	OFFSET: 10.8m Rt	SURF ELEV: 193.32			
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Culvert at Ramp B-3 over Dry Run Creek SN 072-2030	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %
280mm Bituminous Concrete	192.92		0.00-0.40		Auger 4			6
100mm Crushed Stone			0.40-0.76	305	4-6	57	15	11
FILL: Br Sandy Loam A-4	192.10				7			
Stiff Gr Clay Loam A-6	191.64		1.07-1.52	330	6-7	163	10	19
Very Stiff Br & Gr Clay Loam A-6	190.88		1.83-2.29	457	5 6-7	192*		17
Loose Gr Sandy Loam A-2-4			2.59-3.05	457	3 2-3			18
	189.63		3.35-3.81	457	2 3-4	335	15	12
			4.11-4.57	457	4 7-10	335	15	13
		5	4.88-5.33	457	5 8-10	287	15	12
			5.64-6.10	457	5 7-10	297	15	12
			6.40-6.86	457	5 7-11	297	15	12
Very Stiff to Hard Gr Loam A-4			7.16-7.62	457	6 8-10	297	15	10
			7.92-8.38	457	5 9-13	278	15	12
			8.69-9.14	457	5 7-11	259	15	13
		10	9.45-9.91	457	6 10-13	354	15	13
			10.21-10.67	457	3 9-12	479	15	12
			10.97-11.43	457	8 11-19	498	15	12
	180.97		11.73-12.19	457	7 11-15	412	15	12
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			

**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 I			
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. 6	SCALE N.T.S.	DATE 8/31/04	SHEET NO. 6