

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	620	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

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.
- Yd Dry unit weight of soil specimen in kilograms per cubic meter.
- REC. Length of sample recovered in millimeters.

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RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-1	STATION: 10+238	OFFSET: 2.0m Rt	SURF ELEV: 197.65				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
90mm Bituminous Concrete FILL: Br Sand A-1-a	197.34		0.00-0.30	Auger					
			0.30-0.76	305	3-4	239#		22	
			1.07-1.52	330	3-5	287#		24	
Very Stiff Br Clay Loam A-6			1.83-2.29	381	1 4-5	297	15	20	
			2.59-3.05	254	2 5-6	259	15	18	
			3.35-3.81	406	3 4-6	297	15	22	
	192.68		4.11-4.57	457	3 6-8	259	15	22	
Medium Dense Br Sand A-1-b	191.86	5	4.88-5.33	381	3 6-7			8	
Medium Dense Br Sand A-1-a	190.97		5.64-6.10	406	7 12-14			4	
			6.40-6.86	457	5 6-8	431	15	12	
			7.16-7.62	457	9 14-18	508	15	12	
			7.92-8.38	457	5 13-14	479	15	12	
			8.69-9.14	457	3 6-9	297	15	13	
Hard to Very Stiff Br & Gr Loam A-4			9.45-9.91	457	4 8-10	335	15	14	
			10.21-10.67	457	5 6-8	220	15	14	
			10.97-11.43	432	3 4-7	220	15	14	
			11.73-12.19	457	2 5-7	259	15	13	
REMARKS: CME Automatic Hammer Used.						# Denotes Calibrated Penetrometer Estimate			
WATER	Dry	ELEV. DURING DRILLING	CORE SIZE	mm	DATE: Mar 1, 00				
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Winslow				
WATER	Dry	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR: Nelson				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-1	STATION: 10+238	OFFSET: 2.0m Rt	SURF ELEV: 197.65				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
Hard to Very Stiff Br & Gr Loam A-4			12.50-12.95	457	3 6-9	345	15	14	
			13.26-13.72	457	5 6-11	316	15	13	
	183.17		14.02-14.48	457	4 6-12	239	15	12	
Boring terminated at 14.5m									
REMARKS: CME Automatic Hammer Used.						# Denotes Calibrated Penetrometer Estimate			
WATER	Dry	ELEV. DURING DRILLING	CORE SIZE	mm	DATE: Mar 1, 00				
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Winslow				
WATER	Dry	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR: Nelson				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS					
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWB6-2	STATION: 10+255	OFFSET: 2.0m Rt	SURF ELEV: 197.57				
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois	LOCATION: Retaining Wall Ramp B-6 SN 072-8559	BORING RIG & METHOD: CME-55 w/Hollow Stem Augers							
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %	
90mm Bituminous Concrete FILL: Br Sand A-1-a	197.32		0.00-0.30	Auger					
			0.30-0.76	330	3 5-8	335#		14	
			1.07-1.52	305	1 1-2	335	15	15	
Very Stiff Br Clay Loam A-6			1.83-2.29	254	3 4-5	192#		15	
			2.59-3.05	406	2 4-5	268	15	24	
			3.35-3.81	432	3 6-10	249	15	15	
	192.39		4.11-4.57	457	3 3-5	335	15	36	
Medium Dense Br Sand A-1-b	192.08	5	4.88-5.33	432	3 7-9			8	
			5.64-6.10	457	3 6-8	345	15	15	
Very Stiff to Hard Br to Gr Loam A-4			6.40-6.86	457	5 6-11	575	15	14	
	189.95		7.16-7.62	457	4 5-8	383	15	13	
			7.92-8.38	457	3 6-10	297	15	13	
			8.69-9.14	457	3 5-8	306	15	13	
Very Stiff to Hard Br to Gr Silty Clay Loam A-4			9.45-9.91	457	6 7-10	354	15	13	
			10.21-10.67	457	3 5-7	249	15	14	
			10.97-11.43	406	3 5-8	249	15	14	
			11.73-12.19	457	3 5-7	220	15	14	
REMARKS: CME Automatic Hammer Used.						# Denotes Calibrated Penetrometer Estimate			
WATER	14.4m	ELEV. DURING DRILLING	CORE SIZE	mm	DATE: Mar 1, 00				
WATER	m	ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Winslow				
WATER	14.3m	ELEV. AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR: Nelson				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I

WALL NO. 10 - RAMP B-4
F.A.I. ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
STRUCTURE NUMBER 072-8559

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO. 6	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 6
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