

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	606	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.	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.	Yd	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.		

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-1	STATION: 10+379					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp A-3 SN 072-8557	OFFSET: 7.0m Lt					
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 192.57						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %
150mm Bituminous Concrete	192.42		0.00-0.30	Auger				
Stiff to Medium Stiff Br Loam A-4			0.30-0.76	254	3	134	15	15
	190.89		1.07-1.52	356	4	48	15	20
Stiff Br Silty Clay Loam A-4			1.83-2.29	254	5	144	15	11
	189.61		2.59-3.05	356	7			13
Medium Dense Br Sandy Loam A-2-4	189.06		3.35-3.81	457	6	201	15	10
Very Stiff Br Loam A-4	188.24		4.11-4.57	432	8	268*		16
Medium Dense Br Silt A-4		5	4.88-5.33	457	6			22
Very Stiff Br Clay Loam A-6	186.75		5.64-6.10	457	9	201	15	16
	186.32		6.40-6.86	457	7			21
Medium Dense Br to Gr Silt A-4			7.16-7.62	457	11			19
	184.80		7.92-8.38	457	8			21
Medium Dense to Dense Gr Sandy Loam A-2-4			8.69-9.14	432	15			19
	182.78		9.45-9.91	457	12	527	15	11
		10	10.21-10.67	457	8	326	15	17
Hard to Very Stiff Gr Loam A-4			10.97-11.43	203	10	287	15	16
			11.73-12.19	457	6	326	15	12

REMARKS: CME Automatic Hammer Used.		*Denotes Calibrated Penetrometer Estimate	
WATER	Dry m ELEV.	DURING DRILLING	DATE: Apr 10, 00
WATER	m ELEV.	AT COMPLETION	DRILLER: Olson
WATER	Dry m ELEV.	AFTER 1/4 HRS.	INSPECTOR: Reed

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			12.50-12.95	457	8	335	15	12
			13.26-13.72	457	5	297	15	11
Hard to Very Stiff Gr Loam A-4			14.02-14.48	457	9	211	15	11
		15	14.78-15.24	457	7	373	15	16
			15.54-16.00	457	8	373	15	12
Boring terminated at 16.0m								

REMARKS: CME Automatic Hammer Used.		*Denotes Calibrated Penetrometer Estimate	
WATER	Dry m ELEV.	DURING DRILLING	DATE: Apr 10, 00
WATER	m ELEV.	AT COMPLETION	DRILLER: Olson
WATER	Dry m ELEV.	AFTER 1/4 HRS.	INSPECTOR: Reed

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS I			
MSE WALL NO. 8A - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STA. 10+362.421 TO STA 10+408.988 (RAMP A-3) STRUCTURE NUMBER 072-8557			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 8	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 8

Time: 12:41:48 PM

Date: 11/22/2004

Filename: P:\649996\str\luctur\072-8557-Wall #8A\sheet\Tr\acIngs\BLO001-1A0728557.dgn