

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	623	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 6B200

**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: RWB6-5	STATION: 10+324					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp B-6 SN 072-8559	OFFSET: 2.0m Rt					
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 197.01						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q <sub>u</sub> kPa	STRAIN %	WATER CONTENT %
Medium Dense to Dense Br Sandy Loam A-2-4	183.90		12.50-12.95	457	9	14-16		15
Medium Dense Br Silt A-4	183.14		13.26-13.72	457	8	11-14		21
Loose to Very Loose Br Sandy Loam A-2-4	181.62	15	14.02-14.48	457	5	4-3		22
			14.78-15.24	457	1	1-2		21
Loose Br Sand A-1-a	180.85		15.54-16.00	457	3	3-5		13
Dense Br Sand A-1-b	179.48		16.31-16.76	457	10	15-22		10
			17.07-17.53	457	12	17-20		15
Boring terminated at 17.5m								
REMARKS: * Water introduced into borehole below 17.1m. * Denotes Calibrated Penetrometer Estimate								
WATER	11.6m ELEV.	185.43	DURING DRILLING	Ø CORE SIZE	mm	DATE:	Apr 5, 00	
WATER	m ELEV.		AT COMPLETION	Ø CASING LENGTH	m	DRILLER:	Fehl	
WATER	*m ELEV.		AFTER HRS.	Ø CASING DIAMETER	mm	INSPECTOR:	Shook	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS IV			
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. 9	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 9

Time: 01:50:44 PM

Date: 11/22/2004

Filename: P:\649996\str-struct\072-8559-Wall #10.ssheet\Tracings\BL0004-1A0728559.dgn