

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	614	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWBS-4						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+788						
LOCATION: Retaining Wall Ramp B-5 SN 072-8558		OFFSET: 2.0m Rt						
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers		SURF ELEV: 193.57						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
100mm Root Zone Material: Black Silty Loam A-4: Organic matter noted	193.47		0.00-0.30		Auger			24
Loose Br Sand A-1-b			0.30-0.76	330	3-6			13
	191.89		1.07-1.52	356	5 4-5			2
			1.83-2.29	457	10 12-15	278	15	14
Very Stiff to Hard Br Loam A-4			2.59-3.05	457	8 10-14	326	15	15
	189.61		3.35-3.81	457	8 10-12	460	15	15
Very Stiff to Hard Br Clay Loam A-4			4.11-4.57	457	5 8-10	220	15	16
	188.08		4.88-5.33	457	6 12-16	728	15	15
Stiff Br Clay Loam A-4			5.64-6.10	457	4 8-8	172	15	15
	187.32		6.40-6.86	406	11 17-18			15
Dense to Medium Dense Br Sand A-1-b			7.16-7.62	457	6 9-12			20
	185.80		7.92-8.38	457	12 17-20			21
Dense Br Sandy Loam A-2-4			8.69-9.14	457	21 27-18			28
	184.27		9.45-9.91	457	10 12-15	326	15	12
Very Stiff Br Loam A-4			10.21-10.67	457	9 10-12	239	15	13
	182.90		Boring terminated at 10.7m					
REMARKS						* Denotes Calibrated Penetrometer Estimate		
WATER	7.2m ELEV.	186.40 DURING DRILLING	∇ CORE SIZE	mm	DATE:	Apr 4, 00		
WATER	m ELEV.	AT COMPLETION	∇ CASING LENGTH	m	DRILLER:	Fehl		
WATER	Caved in 7.3m ELEV.	186.25 AFTER 1/4 HRS.	∇ CASING DIAMETER	mm	INSPECTOR:	Shook		

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_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.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS II			
WALL NO. 9 - RAMP B-5 F.A.I ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+697.234 TO 10+800.000 (RAMP B-5) STRUCTURE NUMBER 072-8558			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 7	SCALE N.T.S.	DATE 6/25/04	SHEET NO. 7

Time: 12:21:59 PM

Date: 11/22/2004

Filename: P:\649996\structure\072-8558-Wall #9\sheet\Tracings\BL0002-1A072-8558.dgn