

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	588	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.
- γ_d Dry unit weight of soil specimen in kilograms per cubic meter.
- REC. Length of sample recovered in millimeters.

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-5	STATION: 10+508					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp A-3 SN 072-8556	OFFSET: 7.0m Lt					
LOCATION: Retaining Wall Ramp A-3 SN 072-8556		BORING RIG & METHOD: CME-75 w/Hollow Stem Augers	SURF ELEV: 190.10					
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
			0.00-0.30		Auger			
Very Stiff to Stiff Br to Gr Clay Loam A-6			0.30-0.76	457	7-7	220	15	17
			1.07-1.52	457	7-8	124	15	28
			1.83-2.29	457	4-6	134	15	22
Very Stiff Br Loam A-4	187.66		2.59-3.05	457	5-8	297	15	14
			3.35-3.81	457	8-12	297	15	12
			4.11-4.57	457	9-12	278	15	13
Medium Dense Br Sand A-2-4			4.88-5.33	457	8-9	306	15	13
	183.85		5.64-6.10	457	6-9	230	15	14
	183.09		6.40-6.86	381	13-14			16
Dense Br Sand A-1-b			7.16-7.62	356	20-34			10
Very Stiff to Hard Br Silty Clay Loam A-4	182.02		7.92-8.38	406	11-17	259	15	12
	180.80		8.69-9.14	457	17-24	555	15	12
Very Stiff Br Silty Clay Loam A-4			9.45-9.91	457	14-18	297	15	12
			10.21-10.67	457	9-14	259	15	13
			10.97-11.43	457	9-14	306	15	12
			11.73-12.19	457	9-12	278	15	12
REMARKS				*Denotes Calibrated Penetrometer Estimate				
WATER	6.4m ELEV.	183.70 DURING DRILLING	CORE SIZE	mm	DATE:	Mar 10, 00		
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Fehl		
WATER	8.5m ELEV.	181.56 AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed		

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-5	STATION: 10+508					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp A-3 SN 072-8556	OFFSET: 7.0m Lt					
LOCATION: Retaining Wall Ramp A-3 SN 072-8556		BORING RIG & METHOD: CME-75 w/Hollow Stem Augers	SURF ELEV: 190.10					
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Very Stiff Br Silty Clay Loam A-4			12.50-12.95	457	5-10-14	220	15	12
			13.26-13.72	178	10-17	201	15	15
			14.02-14.48	457	9-13	201	15	12
Stiff Br Loam A-4	174.21		14.78-15.24	457	4-9-11	220	15	12
			15.54-16.00	457	6-8-12	144	15	13
	173.33		16.31-16.76	305	8-14	153	15	13
Boring terminated at 16.8m								
REMARKS				*Denotes Calibrated Penetrometer Estimate				
WATER	6.4m ELEV.	183.70 DURING DRILLING	CORE SIZE	mm	DATE:	Mar 10, 00		
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Fehl		
WATER	8.5m ELEV.	181.56 AFTER 1/4 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed		

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-9	STATION: 10+567					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		LOCATION: Retaining Wall Ramp A-3 SN 072-8556	OFFSET: 18.3m Lt					
LOCATION: Retaining Wall Ramp A-3 SN 072-8556		BORING RIG & METHOD: CME-55 w/Hollow Stem Augers	SURF ELEV: 193.43					
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
150mm Bituminous Concrete	193.28		0.00-0.30		Auger			
Very Stiff to Stiff Br Silty Clay Loam A-4			0.30-0.76	203	1-5	335		12
			1.07-1.52	457	5-9	278	15	15
			1.83-2.29	381	4-6-8	153	15	14
Hard to Very Stiff Br Silty Clay Loam A-4	190.78		2.59-3.05	432	6-8-7	383	15	14
			3.35-3.81	457	4-7-10	201	15	14
Stiff to Very Stiff Br to Gr Clay Loam A-6			4.11-4.57	457	5-6-7	172	15	15
			4.88-5.33	457	5-6-6	259	15	21
Stiff to Very Stiff Br & Gr to Gr Loam A-4	187.70		5.64-6.10	406	3-4-6	163	15	15
			6.40-6.86	457	5-10-11	316	15	12
Stiff to Very Stiff Br Clay A-6	185.66		7.16-7.62	457	7-10-13	278	15	15
			7.92-8.38	432	3-5-7	134	15	26
Stiff Br Loam A-4	184.59		8.69-9.14	457	3-4-7	96	15	13
	183.98		9.45-9.91	406	4-6-7			10
Medium Dense Gr Sandy Loam A-2-4			10.21-10.67	330	4-7-11			15
	182.61		10.97-11.43	457	7-11-10			16
Medium Dense Br Sand A-1-b			11.73-12.19	457	8-9-13	172	15	12
	181.51		12.50-12.95	457	6-8-12	278	15	12
REMARKS				CME Automatic Hammer Used. *Denotes Calibrated Penetrometer Estimate				
WATER	11.0m ELEV.	182.45 DURING DRILLING	CORE SIZE	mm	DATE:	Apr 10, 00		
WATER	m ELEV.	AT COMPLETION	CASING LENGTH	m	DRILLER:	Dison		
WATER	10.1m ELEV.	183.37 AFTER 1/2 HRS.	CASING DIAMETER	mm	INSPECTOR:	Reed		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS III

MSE WALL NO. 8 - RAMP A-3
F.A.I. ROUTE 74 SECTION (72-7) R-3
PEORIA COUNTY
STA. 10+426.116 TO STA. 10+673.439 (RAMP A-3)
STRUCTURE NUMBER 072-8556

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO. 12	SCALE N.T.S.	DATE 6-25-04	SHEET NO. 12
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Time: 12:00:03 PM

Date: 11/22/2004

Filename: P:\643996\str\cst\ur\A3\072-8556\sheet\1\Tracings\BLO0003-1A0728556.dgn