

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	591	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	

LEGEND - RSV ENGINEERING INC. (NOW BLOOM CONSULTANTS, LLC) TEST BORING LOGS

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|-------------------------------|--|-----------------------|---|
| 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 _u , kPa | Unconfined compression strength of soil sample in kilopascals determined in accordance with AASHTO T 208 standard specification. | γ _d | 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.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA35-13	STATION: 104628					
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		OFFSET: 5.3m Lt						
LOCATION: Retaining Wall Ramp A-3 SN 072-8556		SURF ELEV: 190.84						
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 %
300mm P.C. Concrete	190.53		0.00-0.30	Auger 4				
FILL: Gr Clay Loam A-6	189.92		0.30-0.76	330	5-5	412	15	14
FILL: Gr to Black Silty Clay A-7-6; roots and wood fragments noted	188.40		1.07-1.52	406	4-4	115	15	26
			1.83-2.29	305	6-6	96		40
Stiff Gr to Br Clay Loam A-6	186.88		2.59-3.05	381	5-6	172	15	21
			3.35-3.81	406	4-7	172	15	19
Hard to Very Stiff Br to Gr Loam A-4	183.52	5	4.11-4.57	457	6-11	431	15	14
			4.88-5.33	457	8-11	239	15	13
			5.64-6.10	457	5-8	220	15	13
			6.40-6.86	457	8-10	201	15	18
Dense to Very Dense Br Sand A-1-b	182.30		7.16-7.62	457	23-23	239	15	14
			7.92-8.38	457	22-34			11
Dense Br Sand A-1-b	180.50	10	8.69-9.14	457	11-16			29
			9.45-9.91	457	19-24			11
Hard to Very Stiff Gr Loam A-4	179.26		10.21-10.67	457	7-11	460	15	13
			10.97-11.43	457	8-12	316	15	14
Stiff Gr Loam A-4			11.73-12.19	457	5-9	163	15	14
REMARKS: CME Automatic Hammer Used.		#Denotes Calibrated Penetrometer Estimate						
WATER	7.6m ELEV. 183.22 DURING DRILLING	∅ CORE SIZE	mm DATE: Apr 6, 00					
WATER	m ELEV. AT COMPLETION	∅ CASING LENGTH	m DRILLER: Winslow					
WATER	7.9m ELEV. 182.91 AFTER 1/4 HRS.	∅ CASING DIAMETER	mm INSPECTOR: Reed					

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SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
Stiff Gr Loam A-4	177.88		12.50-12.95	457	6	134	15	14
Boring terminated at 13.0m								
REMARKS: CME Automatic Hammer Used.		#Denotes Calibrated Penetrometer Estimate						
WATER	7.6m ELEV. 183.22 DURING DRILLING	∅ CORE SIZE	mm DATE: Apr 6, 00					
WATER	m ELEV. AT COMPLETION	∅ CASING LENGTH	m DRILLER: Winslow					
WATER	7.9m ELEV. 182.91 AFTER 1/4 HRS.	∅ CASING DIAMETER	mm INSPECTOR: Reed					

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS VI			
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. 15	SCALE N.T.S.	DATE 6-25-04	SHEET NO. 15

Time: 12:00:55 PM

Date: 11/22/2004

Filename: P:\643996\structure\A3\072-8556\sheet\Tracings\BLO006-1A0728556.dgn