

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	566	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

CLASSIFICATION		Depth	N	Q _u	W %	γ _d	GROUNDWATER DATA		DRILLING METHOD	
			Bp0.15m	KPa		Kgpc ³	DATE	DEPTH	HOUR	RIG TYPE
BR SANDY GRAVEL, A-1-a		0					4-18	0.00	-	CME-850
		1					4-18	0.00	0	AUGER TYPE-DEPTH 0.08m HSA-11.7
		2					4-19	0.00	24	CASING TYPE-DEPTH
		3								SAMPLER TYPE All-SS
GR TO GR BR LOAM TO CLAY LOAM, A-4 TO A-6		4								
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SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	Q _u kPa	STRAIN %	WATER CONTENT %
			0.00-0.30		Auger 1			17
			0.30-0.76	305	2-2	192*		16
Very Stiff Br Clay Loam A-6			1.07-1.52	305	2-3	201	15	14
			1.83-2.29	406	1-2	201	15	17
	183.11		2.59-3.05	457	4-5	335	15	13
Very Stiff to Hard Gr to Br Loam A-4			3.35-3.81	457	12-14	431	15	12
	181.90		4.11-4.57	457	17-25			11
Dense to Medium Dense Br Sand A-1-a		5	4.88-5.33	457	14-18			10
	179.94		5.64-6.10	457	12-15	306	15	12
			6.40-6.86	457	7-10	287	15	12
			7.16-7.62	457	6-9	297	15	13
			7.92-8.38	457	6-10	297	15	15
Very Stiff Gr Clay Loam A-4			8.69-9.14	457	7-10	345	15	13
			9.45-9.91	457	10-11	335	15	12
			10.21-10.67	457	7-9	287	15	13
			10.97-11.43	457	7-10	239	15	13
			11.73-12.19	457	5-8	249	15	14

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	Q _u kPa	STRAIN %	WATER CONTENT %
			12.50-12.95	457	4	287	15	13
Very Stiff Gr Clay Loam A-4			13.26-13.72	457	4	287	15	13
			14.02-14.48	457	4	287	15	14
			14.78-15.24	457	4	287	15	14
Boring terminated at 15.2m								

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. | | |

Note:
See Sheet 14 for Claude H. Hurley Company Boring Legend.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
BORING LOGS III			
F.A.I. ROUTE 74 (I-74) OVER DRY RUN CREEK F.A.I. ROUTE 74 SEC. (72-7)R-3 PEORIA COUNTY STA. 143+305.339 (E.B. I-74) STRUCTURE NUMBER 072-2032			
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS			
DRAWING NO. 15	SCALE N.T.S.	DATE 6/30/03	SHEET NO. 15

Date: 1/22/2004
Time: 04:08:21 PM
Filename: F:\643996\Structural\A3\072-2032\Sheet\Final\Plane\Contract #10\BL0003-A0722032.dgn