Date: 11/22/2004 Time: 12:02:11 PM

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	595	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.*
Yd	*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: RWA3N-6
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois — STATION: 10+535
LOCATION: Retaining Wall Ramp A-3 SN 072-8555 — OFFSET: 2.0m Lt
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers — SURF ELEV: 187.76

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/ 150mm	q_u kPa	STRAIN %	WATER CONTENT %
			0.00-0.30		Auger			18
FILL: Br Clay Loam A-6	186.54		0.30-0.76	406	1 2-2	239*		18
Very Stiff Gr Clay Loam A-4(7)			1.07-1.52	381	1 2-4	230	15	15
			1.83-2.29	457	5 10-12	335	15	13
			2.59-3.05	457	4 7-11	326	15	13
			3.35-3.81	457	4 7-9	259	15	13
			4.11-4.57	457	4 5-7	287	15	14
	182.58	5	4.88-5.33	457	11 18-18	536	15	12
Hard Br Silty Clay Loam A-4	182.09							
			5.64-6.10	457	9 16-26			9
Dense Br Sand A-1-a	180.96							
			6.40-6.86	457	4 12-18	488	15	13
			7.16-7.62	457	4 14-19	488	15	7
			7.92-8.38	457	5 10-13	412	15	13
			8.69-9.14	457	7 10-14	383	15	13
Hard to Very Stiff Gr Clay Loam A-4		10	9.45-9.91	457	4 7-10	431	15	13
			10.21-10.67	457	4 6-11	393	15	12
			10.97-11.43	457	4 7-12	412	15	13
			11.73-12.19	457	4 7-9	259	15	13

REMARKS: CME Automatic Hammer Used. — *Denotes Calibrated Penetrometer Estimate

WATER	3.1m	ELEV.	184.62	DURING DRILLING	▽CORE SIZE	mm	DATE: Mar 10, 00
WATER	m	ELEV.		AT COMPLETION	▼CASING LENGTH	m	DRILLER: Winslow
WATER	3.9m	ELEV.	183.86	AFTER 1/4 HRS.	⧩CASING DIAMETER	mm	INSPECTOR: Nelson

RSV ENGINEERING, INC. — SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: 98600 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION — BORING NO: RWA3N-6
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois — STATION: 10+535
LOCATION: Retaining Wall Ramp A-3 SN 072-8555 — OFFSET: 2.0m Lt
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers — SURF ELEV: 187.76

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/ 150mm	q_u kPa	STRAIN %	WATER CONTENT %
			12.50-12.95	457	5 7-10	259	15	14
Hard to Very Stiff Gr Clay Loam A-4			13.26-13.72	457	5 7-11	316	15	13
	173.28		14.02-14.48	457	4 7-10	326	15	14
Boring terminated at 14.5m								

REMARKS: CME Automatic Hammer Used. — *Denotes Calibrated Penetrometer Estimate

WATER	3.1m	ELEV.	184.62	DURING DRILLING	▽CORE SIZE	mm	DATE: Mar 10, 00
WATER	m	ELEV.		AT COMPLETION	▼CASING LENGTH	m	DRILLER: Winslow
WATER	3.9m	ELEV.	183.86	AFTER 1/4 HRS.	⧩CASING DIAMETER	mm	INSPECTOR: Nelson

RSV ENGINEERING, INC. — SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: 98600 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION — BORING NO: RWA3N-7
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois — STATION: 10+549
LOCATION: Retaining Wall Ramp A-3 SN 072-8555 — OFFSET: 2.0m Rt
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers — SURF ELEV: 185.86

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/ 150mm	q_u kPa	STRAIN %	WATER CONTENT %
			0.00-0.30		Auger			17
			0.30-0.76	305	1 2-2	192*		16
Very Stiff Br Clay Loam A-6			1.07-1.52	305	1 2-3	201	15	14
			1.83-2.29	406	1 1-2	201	15	17
	183.11							
			2.59-3.05	457	1 4-5	335	15	13
Very Stiff to Hard Gr to Br Loam A-4								
	181.90		3.35-3.81	457	9 12-14	431	15	12
			4.11-4.57	457	9 17-25			11
Dense to Medium Dense Br Sand A-1-a		5	4.88-5.33	457	10 14-18			10
	179.94							
			5.64-6.10	457	5 12-15	306	15	12
			6.40-6.86	457	4 7-10	287	15	12
			7.16-7.62	457	4 6-9	297	15	13
			7.92-8.38	457	5 6-10	297	15	15
			8.69-9.14	457	4 7-10	345	15	13
Very Stiff Gr Clay Loam A-4		10	9.45-9.91	457	5 10-11	335	15	12
			10.21-10.67	457	5 7-9	287	15	13
			10.97-11.43	457	4 7-10	239	15	13
			11.73-12.19	457	4 5-8	249	15	14

REMARKS: CME Automatic Hammer Used. — *Denotes Calibrated Penetrometer Estimate

WATER	4.0m	ELEV.	181.90	DURING DRILLING	▽CORE SIZE	mm	DATE: Mar 10, 00
WATER	m	ELEV.		AT COMPLETION	▼CASING LENGTH	m	DRILLER: Winslow
WATER	3.0m	ELEV.	182.87	AFTER 24 HRS.	⧩CASING DIAMETER	mm	INSPECTOR: Nelson

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS X

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.	SCALE	DATE	SHEET NO.
19	N.T.S.	6-25-04	19

Filename: P:\643996\structural\A3\072-8556\sheet\Tracings\BL0010-IA0728556.dgn