

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 OF 10 SHEETS
F.A.I. 74	(72-7)R-3	PEORIA	1360	1046	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 68200

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-7						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+447						
LOCATION: Culvert at Ramp C-3 Over Dry Run Creek SN 072-2005		OFFSET: 22m Lt						
BORING RIG & METHOD: CME-450 (ATV) w/ Hollow Stem Augers		SURF ELEV: 167.65						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
75mm Root Zone Material, FILL, Br Organic Silty CLAY	167.40		0.00-0.30		Auger			21
FILL: Br Sandy CLAY	166.98		0.30-0.76	305	2 3-3	77*		17
FILL: Gr Clayey SAND, little (+) c-f Gravel	166.40		1.07-1.52	305	2 4-6			14
Very Stiff to Hard Br to Gr Silty CLAY, little c-f Sand			1.83-2.29	432	6 9-10	460	15	14
			2.59-3.05	457	4 7-10	440	15	12
Medium Dense Br SAND	163.89 163.69		3.35-3.81	457	9 12-14	297	15	12
Very Stiff to Hard Gr Silty CLAY, little c-f Sand, trace m-f Gravel			4.11-4.57	457	3 8-12	373	15	13
	162.16		4.88-5.33	457	5 9-12	412	15	14
Very Stiff Gr Silty CLAY, little c-f Sand, trace c-f Gravel			5.64-6.10	406	3 6-11	249	15	15
Medium Dense to Dense Gr SAND, trace Clay	160.55 160.35		6.40-6.86	457	8 9-14	259	15	14
	159.42		7.16-7.62	330	10 14-17			9
Hard Gr Silty CLAY, little c-f Sand			7.92-8.38	457	6 9-15	431*		15
	157.41		8.69-9.14	457	15 10-12	440	15	13
	156.22		9.45-9.91	457	9 14-17	431*		14
Dense Br SAND			10.21-10.67	457	19 18-16			7
			10.97-11.43	381	15 19-25			12
Boring terminated at 11.4m								
REMARKS: * Denotes Calibrated Penetrometer Estimate								
WATER	2.7 m ELEV. 164.90 DURING DRILLING	CORE SIZE	mm	DATE: May 23, 00				
WATER	m ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Stafford				
WATER	0.9 m ELEV. 166.73 AFTER 48 HRS	CASING DIAMETER	mm	INSPECTOR: Reed				

RSV ENGINEERING, INC.		SCHAUMBURG, ILLINOIS						
BORING LOG								
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: C-8						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+475						
LOCATION: Culvert at Ramp C-3 Over Dry Run Creek SN 072-2005		OFFSET: 28m Lt						
BORING RIG & METHOD: CME-450 (ATV) w/ Hollow Stem Augers		SURF ELEV: 167.90						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
50mm Root Zone Material, Dark Br Organic Silty CLAY	167.59		0.00-0.30		Auger			33
FILL: Br Silty CLAY	166.98		0.30-0.76	457	5 5-5	153*		24
Very Stiff Gr Silty CLAY, little c-f Sand			1.07-1.52	457	5 5	287	15	12
	165.25		1.83-2.29	356	4 6-7	297	15	12
Medium Dense Br to Gr Silty SAND	164.70		2.59-3.05	356	7 12-11			16
			3.35-3.81	381	5 7-11	239	15	12
Very Stiff to Stiff Gr Silty CLAY, little c-f Sand, trace c-f Gravel, random Silt and Sand seams noted			4.11-4.57	457	5 9-9	182	15	13
	160.13		4.88-5.33	457	8 12-17	373	15	12
			5.64-6.10	457	7 9-9	134	15	13
			6.40-6.86	457	6 12-12	153	15	12
			7.16-7.62	457	7 5-7	144	15	11
Medium Stiff to Stiff Gr Silty CLAY, little c-f Sand, trace m-f Gravel			7.92-8.38	457	3 3-7	77	15	15
	158.30		8.69-9.14	432	2 3-7	163	15	14
			9.45-9.91	457	8 17-30			4
Dense Gr SAND, little (+) m-f Gravel			10.21-10.67	356	7 10-21			4
			10.97-11.43	457	18 19-26			3
	155.71		11.73-12.19	406	12 18-23			4
Boring terminated at 12.2								
REMARKS: * Denotes Calibrated Penetrometer Estimate								
WATER	Dry m ELEV. DURING DRILLING	CORE SIZE	mm	DATE: May 23, 00				
WATER	m ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Stafford				
WATER	Dry m ELEV. 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: C-8A						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+503						
LOCATION: Culvert at Ramp C-3 Over Dry Run Creek SN 072-2005		OFFSET: 19.8m Lt						
BORING RIG & METHOD: CME-450(ATV) w/Hollow Stem Augers		SURF ELEV: 163.36						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
100mm Root Zone Material, FILL: Dark Br Organic Silty CLAY	168.14		0.00-0.30		Auger			13
FILL: Dark Gr to Br Silty SAND, little (+) c-f Gravel			0.30-0.76	203	3 6-5			12
Hard Br to Gr Silty CLAY, little c-f Sand, trace m-f Gravel	166.99		1.07-1.52	356	6 9-9	680	15	8
	165.92		1.83-2.29	406	8 9-10	469	15	9
Medium Dense Br and Gr Silty SAND, little c-f Gravel	165.16		2.59-3.05	457	8 10-10			13
Very Stiff to Stiff Gr Silty CLAY, little c-f Sand, trace c-f Gravel, random Sand seams noted			3.35-3.81	457	6 11-14	239	15	10
	163.27		4.11-4.57	356	4 4-5	153	15	13
Medium Stiff to Stiff Gr Silty CLAY, little c-f Sand, trace c-f Gravel	162.41		4.88-5.33	457	3 7-5	207	15	15
Soft Gr Silty CLAY, trace c-f Sand	162.11		5.64-6.10	406	4 6-6	287	15	14
			6.40-6.86	457	5 4-9	134	15	16
Stiff Gr Silty CLAY, little c-f Sand			7.16-7.62	457	6 9-10	153	15	12
	159.06 158.82		7.92-8.38	457	7 9-10	172	15	14
Very Dense Gr SILT, trace Clay			8.69-9.14	457	6 7-9	163	15	13
Very Dense Gr m-f SAND	158.30		9.45-9.91	406	17 25-43			4
Medium Dense to Dense Gr SAND, trace (+) to little (-) m-f Gravel			10.21-10.67	356	13 15-12			3
	156.93		10.97-11.43	381	10 16-19			4
Boring terminated at 11.4m								
REMARKS: * Denotes Calibrated Penetrometer Estimate								
WATER	Dry m ELEV. DURING DRILLING	CORE SIZE	mm	DATE: May 25, 00				
WATER	m ELEV. AT COMPLETION	CASING LENGTH	m	DRILLER: Olson				
WATER	Dry m ELEV. AFTER 1/4 HRS	CASING DIAMETER	mm	INSPECTOR: Reed				

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.	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.	Yd	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.		

DESIGNED	GEK
CHECKED	
DRAWN	GEK
CHECKED	

BORING LOGS
RAMP C-3 OVER DRY RUN CREEK
F.A.I. RTE 74(I-74) SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+442.15 TO STA. 10+575 (RAMP C-3)
STRUCTURE NUMBER 072-8618 - WALL 18B



111 NE Jefferson Ave.
Peoria, Illinois 61602
Ph(309)676-8464
FAX(309)676-5445