ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	635	1366
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: RWB4-3
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois — STATION: 10+708
LOCATION: Retaining Wall Ramp B-4 SN 072-8561 — OFFSET: 1.0m Lt
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers — SURF ELEV: 189.39

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/ 150mm	q_u kPa	STRAIN %	WATER CONTENT %
			12.50-12.95	229	12 15-18			9
Dense to Very Dense Gr Sandy Loam A-2-4			13.26-13.72	279	10 16-18			18
	174.76		14.02-14.48	381	16 24-27			16
Dense Gr Sandy Loam A-2-4		15	14.78-15.24	406	33 18-22			13
	173.39		15.54-16.00	457	10 17-18			19

Boring terminated at 16.0m

REMARKS * Water introduced into borehole below 11.0m. — *Denotes Calibrated Penetrometer Estimate

WATER	8.5m	ELEV.	180.85	DURING DRILLING	▽CORE SIZE	mm	DATE: Apr 25, 00
WATER	m	ELEV.		AT COMPLETION	▼CASING LENGTH	m	DRILLER: Fehl
WATER	*m	ELEV.		AFTER HRS.	▽CASING DIAMETER	mm	INSPECTOR: Shook

RSV ENGINEERING, INC. — SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: 98600 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION — BORING NO: RWB4-4
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois — STATION: 10+730
LOCATION: Retaining Wall Ramp B-4 SN 072-8561 — OFFSET: 0m Rt
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers — SURF ELEV: 189.11

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/ 150mm	q_u kPa	STRAIN %	WATER CONTENT %
180mm Bituminous Concrete	188.93		0.00-0.18		Auger			2
			0.30-0.76	305	7 10-14	201	15	16
			1.07-1.52	432	5 7-9	268	15	12
Very Stiff Br Loam A-4			1.83-2.29	457	10 8-13	278	15	13
			2.59-3.05	457	9 9-15	220	15	15
	185.60		3.35-3.81	457	16 18-17			5
Dense to Medium Dense Br Sand A-1-b			4.11-4.57	457	14 13-10			6
		5	4.88-5.33	457	9 13-11			7
	183.32		5.64-6.10	457	5 6-8	345	15	21
Very Stiff to Stiff Br & Gr Clay A-6			6.40-6.86	356	4 6-7	239	15	24
	181.34		7.16-7.62	432	4 5-9	172	15	24
			7.92-8.38	457	8 9-8			17
			8.69-9.14	457	7 11-11			23
Medium Dense Gr Silt A-4 ▽			9.45-9.91	457	7 8-11			17
		10	10.21-10.67	457	8 7-13			18
	178.29		10.97-11.43	381	10 17-23			5
Dense Br Sand A-1-a			11.73-12.19	356	18 21-25			8
	176.76							

REMARKS * Water introduced into borehole below 11.0m. — *Denotes Calibrated Penetrometer Estimate

WATER	9.4m	ELEV.	179.66	DURING DRILLING	▽CORE SIZE	mm	DATE: Apr 25, 00
WATER	m	ELEV.		AT COMPLETION	▼CASING LENGTH	m	DRILLER: Fehl
WATER	*m	ELEV.		AFTER HRS.	▽CASING DIAMETER	mm	INSPECTOR: Shook

RSV ENGINEERING, INC. — SCHAUMBURG, ILLINOIS

BORING LOG

JOB NO: 98600 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION — BORING NO: RWB4-4
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois — STATION: 10+730
LOCATION: Retaining Wall Ramp B-4 SN 072-8561 — OFFSET: 0m Rt
BORING RIG & METHOD: CME-75 w/Hollow Stem Augers — SURF ELEV: 189.11

SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/ 150mm	q_u kPa	STRAIN %	WATER CONTENT %
			12.50-12.95	381	13 25-27			15
Very Dense to Dense Br Sand A-1-b			13.26-13.72	432	13 20-28			13
	174.63		14.02-14.48	457	13 20-26			18

Boring terminated at 14.5m

REMARKS * Water introduced into borehole below 11.0m. — *Denotes Calibrated Penetrometer Estimate

WATER	9.4m	ELEV.	179.66	DURING DRILLING	▽CORE SIZE	mm	DATE: Apr 25, 00
WATER	m	ELEV.		AT COMPLETION	▼CASING LENGTH	m	DRILLER: Fehl
WATER	*m	ELEV.		AFTER HRS.	▽CASING DIAMETER	mm	INSPECTOR: Shook

LEGEND

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II

WALL NO. 12 - RAMP B-4
F.A.I. ROUTE 74 SECTION (72-7) R-3
PEORIA COUNTY
STA. 10+670 TO STA 10+720 (RAMP B-4)
STRUCTURE NUMBER 072-8561

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
5	N.T.S.	6/25/04	5

Date: 11/22/2004 Time: 01:56:52 PM

Filename: P:\643596\structural\072-8561-Wall #12\sheet\Trailings\BL0002-IA072-8561.dgn