ROUTE NO.	SECT.	COUNTY		SHEET NO.	TOTAL SHEETS
F.A.J. 74	(72-7) R-3	PEORIA		614	1360
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

BORTING	RSV ENGINEERING, INC.					SCHA	UMBURG	, ILI	INOIS
PROBLET: Inferstate Boats 74 Improvements - Peeria, Illinois 10x710N: Retaining Worl Ramp 8-5 SN 072-8558 80RING RIG & MEHBOI: 0ME-75 w/hollow Stem Augurs 100mm Root Zone Marerial: Black Silfy 193-87 0.00-0.30 0.00-0.30 0.00 0.30 0.00 0	1								
LOCATION: Retaining Wall Ramp B-5 SM 072-8558 RORING RIG & METHOD: CAME-75 w/Hot low Stein August Single Electric Single Electr									
SOUR INC RIG & METHOD: CME-75 w/Hollow Stem Augers SUMPLE 193.57		d, Illino	18						
100m Root Zone Material: Black Silty 193:47 0.00-0.30 0.30-0.76 330 3-6 13 13 13 14 15 15 15 15 15 15 15		's							
100m Root Zone Material: Black Silty 193:47 0.00-0.30 0.30-0.76 330 3-6 13 13 13 14 15 15 15 15 15 15 15	SOIL DESCRIPTION	FI FV.	DEPTH		REC.			1	WATER
Loose Br Sand A-1-b Loose Br					mm		kPa	7.	_
13 13 13 13 14 15 15 15 15 15 15 15	Loam A-4; Organic matter noted	193.47		0.00-0.30					24
191.89				0.30-0.76	330	3-6			13
191.89 1.07-1.52 356 4-5 2 2 2 2 2 2 2 2 2	LOOSE BI SQIIQ A-1-D		-			5			
Very Stiff to Hard Br Loam A-4 189.61 1.83-2.29 457 12-15 278 15 14 2.59-3.05 457 10-12 460 15 15 3.35-3.81 457 10-12 460 15 15 4.11-4.57 457 8-10 220 15 16 4.88-5.33 457 12-16 728 15 15 5.64-6.10 457 8-8 172 15 15 5.64-6.10 457 8-8 172 15 15 5.64-6.10 457 8-8 172 15 15 5.64-6.10 457 8-8 172 15 15 6.40-6.86 406 17-18 15 7.16-7.62 457 9-12 20 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 28 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326 15 8.69-9.14 457 27-18 326		191.89		1.07-1.52	356	4-5			2
Very Stiff to Hard Br Loam A-4 2.59-3.05 457 10-14 326 15 15 Very Stiff to Hard Br Clay Loam A-4 188.61 4.11-4.57 457 8-10 220 15 16 Stiff Br Clay Loam A-4 187.32 4.88-5.33 457 12-16 728 15 15 Dense to Medium Dense Br Sand A-1-b 185.80 5.64-6.10 457 8-8 172 15 15 Dense Br Sandy Loam A-2-4 184.27 7.32-8.38 457 17-20 20 20 Dense Br Sandy Loam A-4 182.90 7.32-8.38 457 17-20 21 20 Wery Stiff Br Loam A-4 182.90 10.21-10.67 457 10-12 326 15 12 Boring terminated at 10.7m 182.90 10.21-10.67 457 10-12 239 15 13 EEMARKS **Denotes Coliborated Penetroneter Estimate **Ponetroneter Estimate **Denotes Coliborated Penetroneter Estimate **Ponetroneter Estimate **Ponetroneter Estimate **ATEC MATER **ATEC MICROSTIC MATER						10		l	ĺ
189.51 15 15 15 15 15 15 15				1.83-2.29	457	12-15	278	15	14
189.61 189.61 3.35-3.81 457 10-12 460 15 15	Verse Chill Le Heard De Learn A 4					8			
189.61	Very STITT TO Hard Br Loam A-4		-	2.59-3.05	457	10-14	326	15	15
Very Stiff to Hard Br Clay Loam A-4									
Very Stiff to Hard Br Clay Loam A-4		189.61		3.35-3.81	457	10-12	460	15	15
Very Stiff to Hard Br Clay Loam A-4			1			5			
188.08	Warms Cliff to House Dra Olans Large A. A.			4.11-4.57	457	8-10	220	15	16
Stiff Br Clay Loam A-4 187.32 Dense to Medium Dense Br Sand A-1-b Dense Br Sandy Loam A-2-4 Dense Br Sandy Loam A-1-b Dense	Very STITT TO HORD BY CIGY LOOM A-4	1	_ 5						
Stiff Br Clay Loam A-4 Dense to Medium Dense Br Sand A-1-b Dense Br Sandy Loam A-2-4 Dense Br Sandy Loam A-2-4 Very Stiff Br Loam A-4 Very Stiff Br Loam A-4 NATER 7-2m ELEV. 186-40 DURING DRILLING AT COMPLETION A 187-32 Social Science Size mm DATE: Apr 4. 00 MATER mm DATE: Fehi		188.08		4.88-5.33	457	12-16	728	15	15
187.32	Chilf Dr Clay Loan A A								
Dense to Medium Dense Br Sand A-1-b 185.80	STITT OF CITY LOGII A-4	187.32	-	5.64-6.10	457	8-8	172	15	15
Dense to Medium Dense Br Sand A-1-b 185.80									
# Dense Br Sandy Loam A-2-4 Dense Br Sandy Loam A-2-4 Very Stiff Br Loam A-4 Very Stiff Br Loam A-4 184.27	Bonco to Modium Donco Br Sand 4-1-h			6.40-6.86	406	17-18			15
185.80	Detise to medical perise of Solid A-1-0	₹.							
Dense Br Sandy Loam A-2-4 184.27		185.80		7.16-7.62	457	9-12			20
Dense Br Sandy Loam A-2-4 184.27			}			12			
184.27	Dense Br Sandy Loam 4~2~4			7.92-8.38	457	17-20			21
Very Stiff Br Loam A-4	Solice Bi Salidy Eddin N E 1			0.00.0.44	453				
Very Stiff Br Loam A-4		184.27		8.69-9.14	457	27-18			28
Very Stiff Br Loam A-4				0 45 0 04	ar-7		700	45	40
182.90 10.21-10.67 457 10-12 239 15 13	Very Stiff Br Logm A-4		<u> </u>	9.45-9.91	457	12-15	326	15	12
Boring terminated at 10.7m REMARKS ** **Denotes Collibrated Penetrometer Estimate WATER 7.2m ELEV. 186.40 DURING DRILLING \$\subseteq \text{CORE SIZE}\$ mm DATE: Apr 4.00 WATER m ELEV. AT COMPLETION \$\subseteq \text{CASING LENGTH}\$ m DRILLER: Fehi		100.00		10 21-10 67	467		270	15	17
Penetrometer Estimate									
Penetrometer Estimate									
Penetrometer Estimate									
Penetrometer Estimate									
Penetrometer Estimate									
WATER 7.2m ELEV. 186.40 DURING DRILLING ¥CORE SIZE mm DATE: Apr 4.00 WATER m ELEV. AT COMPLETION ▼CASING LENGTH m DRILLER: Fehi	REMARKS								
WATER m ELEV. AT COMPLETION ▼CASING LENGTH m DRILLER: Fehi	WATER 7.2m ELEV. 186.40 DURING DRILLI	NG ¥0	ORE SIZE		mm	DATE:			
WATER Coved in7.3m ELEV. 186.25 AFTER 1/4 HRS. ▼CASING DIAMETER mm INSPECTOR: Shook	WATER m ELEV. AT COMPLETION ▼CASING LENGTH m DRILLER: Fehi								
	WATER Coved in7.3m ELEV. 186.25 AFTER 1/4 HRS. ▼CASING DIAMETER mm INSPECTOR: Shook								

<u>LEGEND</u>

A-1 to A-7 (and subgroups)	Engineering classifications of soil samples in accordance with AASHTO $\it M$ 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.

An approximation of the unconfined compressive strength of the soil sample in kllopascals obtained with the use of a calibrated hand penetrometer device.
50 mm diameter thin-walled tube (Shelby Tube) relatively undisturbed soil sample obtained in accordance with AASHTO T 207 standard specification.
Dry unit weight of soil specimen in kilograms per cubic meter.
Length of sample recovered in millimeters.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II

WALL NO. 9 - RAMP B-5
F.A.I ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STATION 10+697.234 TO 10+800.000 (RAMP B-5)
STRUCTURE NUMBER 072-8558

PARSONS TRA	NSPORTATIO	N GROUP
CHICA	AGO, ILLINOIS	3

CHICAGO, ILLINOIS					
DRAWING NO.	SCALE	DATE	SHEET NO.		
7	N.T.S.	6/25/04	7		