## BORING NO. RW-77 (1 OF 3)

Illinois Depo of Transporto	irtment	C	OIL BORING LOG	Page	<u>1</u> of <u>3</u>
OT IT CITS DOFT CO	ITTON	3	UIL DUNING LUG	Date	10/18/02
ROUTE FAI 64 DES	SCRIPTION		Trilevel Interchange	LOGGED BY	VZ
SECTION 81-2, 82R	LOCATIO	N East S	t. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W		
COUNTY St. Clair DRILLING	METHOD Holic	w Stem Aug	ger and Mud Rotary HAMMER TYPE	Automatic	Hammer
STRUCT, NO. RW-W228 Station NA	D B E L P O	U M C O S 1	Surface Water Elev. <u>Unknown</u> ft Stream Bed Elev. <u>Unknown</u> ft		U M C O S I
BORING NO. RW-77 Station 11+15 Offset 11.00ft left	T W	Qu T	Groundwater Elev.: First Encounter •• ft Upon Completion •• ft	T W	Qu T
Ground Surface Elev. 416.10 ft Brown, SILT, with cinder sand	(f+) (/6") (	tsf) (%)	After Hrs. •• ft		(†sf) (%)
seams (FILL)	4		Stiff to medium stiff, brown, SILTY	4	
	4 4	2.0 26 P	See Gradation Test Results	7	
	2			3	
	-5 5	1.5 22 P		-25 6	
Very stiff, brown and gray, CLAY, with FeO stains				2	
	3 5	2,2 40 S		6	
Very stiff, brown and gray, SILTY CLAY LOAM				2	
405.50	-10 6	2.8 35 S	See Gradation Test Results	-30 4	
Soft to stiff, grayish-brown, SILT					
	1 2	0.8 34 P	384.1 Medium dense, gray, FINE GRAINED SAND, some coarse	0	
			sand and gravel	6	
	3 -15 7	1.0 34 P		-35 8	
Medium dense, brown, SANDY LOAM	3				
	7 7		Medium dense, gray, FINE GRAINED SAND	0	
			OTHER SAIN	8	
	-20 6			11 -40 14	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASH10 1206)

Rimac attempted, not measured due to sample disturbance
BBS, from 137 (Rev. 8-99)

Not measured due to drilling methods used

## BORING NO. RW-77 (2 OF 3)

(P)	Illinois Dep of Transport	artment ation	SOIL BORING LOG	Pag	je <u>2</u>	of <u>3</u>
	Division of Highways geotechnology			Dat	e <u>10/1</u>	8/02
ROUTE	FAI 64 D	ESCRIPTION	Trilevel Interchange	LOGGED BY		٧Z
SECTION	81-2, 82R	LOCATION Eos	t St. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W			
COUNTY	St. Clair DRILLIN	G METHOD Hollow Stem	Auger and Mud Rotary HAMMER TYPE	Automat	ic Hamm	ier
Station BORING NO. Station Offset	RW-W228 NA RW-77 11+15 11.00ff left face Elev. 416.10 f	E L C C P O S I	Groundwater Elev.: First Encounter Upon Completion After Hrs. •• ft	D E E L P C T W H S (ff+) (/6"	C S I Qu	M 0 1 S T
Medium dens GRAINED SAND	e, gray, FINE (continued)	- 8 - 12 - 45 14	Medium dense, gray, FINE GRAINED SAND (continued)		3	
See Gradati	on Test Results	- 8 - II	Dense, gray, MEDIUM GRAINED SAND			
300 0 000110		-50 16 -50 16	Dense, gray, FINE GRAINED SAND	<u>-70</u> 2:	3	
		-55 8	Dense to very dense, gray, MEDIUM GRAINED SAND, with clay seams	-75 19 -		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASH10 T206)
Rimac attempted, not measured due to sample disturbance
BBS, from 137 (Rev. 8-99)
Not measured due to drilling methods used

## BORING NO. RW-77 (3 OF 3)

ROUTE	geotechnology FAI 64	DES	TRIPT	TON			Trilevel Interchange			10/18/0
									200025 81	
							it. Louis, IL, SEC. 18, T			
COUNTY	St. Clair	DRILLING	METHO	D Hol	low Ste		ger and Mud Rotary	_ HAMMER TYPE	Automatic	Hammer
STRUCT. NO. Station	RW-W228 NA		D E P	B L O	C	M 0 I	Surface Water Elev. Stream Bed Elev.			
	RW-77 11+15 11.00ft left face Elev. 416.10	) ft	T H (f+) (	₩ S /6″)	Qu	S T (%)	Groundwater Elev.: First Encounter Upon Completion AfterHrs.	** ft ** ft		
	ry dense, gray, ED SAND, with continued)									
			-85							
				19 33		<u> </u>				
End of Borin	ng	326.10	-90							
			-95							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

Rimac attempted, not measured due to sample disturbance
BBS, from 137 (Rev. 8-99)

Not measured due to drilling methods used

						Shee	et No. WA-10 of 12
FILE NAME =	USER NAME = bhatta	DESIGNED -	REVISED -		SOIL BORING LOGS	F.A. SECTION	COUNTY TOTAL SHEET SHEETS NO.
Ø82-W228_76C47_S1Ø_B0R-Ø1.dgn		DRAWN - MK	REVISED -	STATE OF ILLINOIS	(1 OF 3)	64 82-1-1HBR	ST. CLAIR 93 76
	PLOT SCALE = 0:1 ':' / 1N.	CHECKED - ATB	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 082-W228		CONTRACT NO. 76C47
	PLOT DATE = 5/1/2009	DATE - 05/01/09	REVISED ~		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.   ILLINOIS FED. A	AID PROJECT