BORING NO. RW-79 (1 OF 3)

BORING NO. RW-79 (2 OF 3)

BORING NO. RW-79 (3 OF 3)

Illinois Department of Transportation							SOIL BORING	LOG		Page Date	1 of3	
ROUTE	·						Trilevel Interchange	Lo	LOGGED BY		VZ	
SECTION	81-2, 82R			OCATIO	N.	Foot St 1	Louis, IL, SEC. 18, TWP. 2N, RNG					
_												
COUNTY	St. Clair DR	LLING ME	THOE			Hollow S	tem Auger and Mud Rotary	HAMMER TYPE		Automat	ic Hamm	er
STRUCT. NO. Station	RW-W229 NA		D E P	B L O	U C S	M 0 1	Surface Water Elev. Stream Bed Elev.	Unknown ft Unknown ft	D E P	B L O	U C S	M O I
BORING NO. Station Offset	RW-79 21+26 25.00ft right		T H	W S	Qu	S T	Groundwater Elev.: First Encounter Upon Completion	396.6 ft ¥	T H	W S (/6")	Qu (tsf)	S T
Ground Surface Topsoil - 6 inches		ft	(ft)	(/6")	(tsf)	(%)	After Hrs. Very soft, brown, SILTY LOAM		(ft)	(10)	(isi)	(%)
Medium stiff, brow LOAM		414.62		2	2.0	28	(continued) Medium dense to loose, gray, SANDY LOAM	394.60		4		
		412.12		2	Р	ļ. —				4	-	-
Soft, brown, SILT		412.12	_	2		36				3		
		409.62	-5	1	1.8 P	36	See Gradation Test Results		-25	. 9		
Soft, brownish-gr texture with slicke	ay, CLAY, blocky ensides		-	1	1.5	42				4		
Soft, brownish-gr	WAY CILTY CLAY	407.12		2	Р		And the same of th		_	7		-
LOAM	ay, or 11 or 11			1 2 2	1.5 P	32	with silty clay seams			2 1 4		
Stiff, grayish-brow	wn, SILTY LOAM	404.62	-10	-			with only way scalls		-30	-		
				2 4 6		25			_			
Medium dense to grayish-brown, F		402.12		3					_	3		
SAND, with silt so	eams		-15	8 9					-35	6		
				2								
				4 5			Medium dense to dense, gray, FINE GRAINED SAND	378.12	2 -			
Very soft, brown,	SILTY LOAM	397.12	y	1			THE SIGNIED ONLD		_	11		
			-20	1		33	See Gradation Test Results		-40	11 9		

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

* Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

(42)	Illinois Departme	nt				COIL PODING	100	Page	<u>2</u> of	f _3
(A)	Illinois Departme of Transportation					SOIL BORING	Date	10/22	2/02	
ROUTE	gestechnology FAI 64	DESCRIPTION				Triloval Internhenge	OGGED BY	VZ		
-										
SECTION 81-2, 82R LOCATION				١.	East St.	Louis, IL, SEC. 18, TWP. 2N, RNG	. 9W			
COUNTY	St. Clair DRILLING METHOD				Hollow S	Stem Auger and Mud Rotary	Automa	tic Hammer		
STRUCT. NO. Station BORING NO. Station Offset Ground Surface Medium dense to		D E P T H (ff)	B L O W S	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs. Medium dense to dense, gray, FINE GRAINED SAND (continue)	Unknown ft Unknown ft 396.6 ft ft ft ft ft ft ft ft ft ft	D B E L P O T W H S (ft) (/6")	U C S Qu (tsf)	M O I S T (%)
FINE GRAINED	SANU (consinues)	45	8 9 12			See Gradation Test Results	50)	10 12 65 14		
			6 11 25					7 11 -70 13		
		-55	23 23 13					8 10 -75 13		
		-60	19 17 12					8 10 80 11		

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
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

(B)	Illinois Departme of Transportation Disease of Highways guetochnology	ent 1				SOIL BOI	RIN	G LOG		Page	<u>3</u> of
	Division of Highways geotechnology							Date	10/22/0		
ROUTE	FAI 64	DESCRIP	TION			Trilevel Inter	rchange		LOG	GED BY	VZ
SECTION	81-2, 82R		LOCATIO	N _	East St.	Louis, IL, SEC. 18, TW	P. 2N, I	RNG. 9W			
COUNTY St. Clair DRILLING ME		LLING METHO	METHOD		Hollow 8	tem Auger and Mud Re	HAMMER TYPE		Automat	itic Hammer	
STRUCT. NO. Station BORING NO.	RW-W229 NA RW-79	D E P T	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.:		Unknown Unknown	ft		
Station Offset	21+26 25.00ft right	_ H	8	Qu	'	First Encounter Upon Completion		396.6	ft.▼ ft		
Ground Surface Ele		ft (ft)	(/6")	(tsf)	(%)	After	Hrs.	**	ft		
Medium dense to dei	nes, gray, (D (continued)	325.12 4	11 16 0 20								
		4	100								

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
 Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Sheet PB-25 of 25

FILE NAME =	USER NAME = bhatta	DESIGNED -	REVISED -			BORING LOGS	F.A. RTE.	SECT10N	COUNTY	TOTAL SHEET!	SHEET S NO.
Ø82-Ø394_76C47_S25_BOR-Ø6.dgn		DRAWN - MK	REVISED -	STATE OF ILLINOIS		STRUCTURE NO. 082-0394	64	82-1-1HBR	ST. CLAIR	93	66
	PLOT SCALE = Ø:1 ':" / IN.	CHECKED - ATB	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRAC	T NO.	76C47
	PLOT DATE = 5/1/2009 DATE - 05/01/09 REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD D	DIST, NO. ILLINOIS FED.	AID PROJECT				