## BORING NO. PB-205 (1 OF 3)

## BORING NO. PB-205 (2 OF 3)

## BORING NO. PB-205 (3 OF 3)

Illinois De	partment SOIL RODING LO	Page <u>1</u> of <u>3</u>
OT ITANSPOR	tation SOIL BORING LO	Date <u>12/13/0</u> 2
ROUTE FAI 64	DESCRIPTION Trilevel Interchange - East St. Louis Mit	igation LOGGED BYAJJ
SECTION 81-2, 82R	LOCATION East St. Louis, IL, SEC. 18, TWP. 2N	, RNG. 9W
COUNTY St. Clair DRIL	LING METHOD H <u>ollow Stem Auger and Mud Rotary</u> HAMMER T	/PE <u>Automatic Hammer</u>
STRUCT. NO. 082-0394 Station NA	D B U M Surface Water Elev. ***  E L C O Stream Bed Elev. ***  P O S I	E ft   E   L   C   U
BORING No.         PB-205           Station         22+24           Offset         33.00ft left           Ground Surface Elev.         415.58	T W S Groundwater Elev.: H S Qu T First Encounter Upon Completion 988  ft (ft) (/6") (tsf) (%) After ** Hrs. ***	k ft (ft)(/6")(tsf)(%)
Dark gray and black, SILTY CLAY, with cinder sand and crushed limestone gravel (FILL)	Soft to very soft, groy. SILT (continued)  O Very soft to medium stiff, da gray. SILTY LOAM	
	9 B	1
Stiff, gray to brown and gray mottled, CLAY	411.58 1	2 1 -25 2
	2 1.2 43 2 B	0 1 4
	Loose, dark gray, FINE GRAINE SAND  1 2 1.9 49 -10 3 S See Gradation Test Results	387.58 D 1 3 3 -30 4
·		383.58
Brown, SANDY LOAM Soft to very soft, gray, SILT	5 B Medium dense, gray, FINE  402.58 GRAINED SAND	, manufacture (
	1 0.4 32 -1 1 B	7 11 -35 14
	0 * 18	
	- 1	
	3 0.3 35	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 (AASHIO 7206)

\* Rimac attempted, not mansured due to sample disturbance

BBS, from 137 (Rev. 8-99)

Rimac attempted, not measured due to sample disturbance
 Not measured due to drilling methods used

(KAP)	Ilinois De	partn	nen t		COIL	BORING	1.00	Page	2	of <u>3</u>
	of Transpor Ivision of Highways satechnology	TUTIO	)[ ]		JUIL	DUNTING	LUU .	Date	1;	2/13/0
ROUTE	FA] 64	DESCRIP	TION Tri	level	nterchange	- East St. Lou	is Mitigation	LOGGED	BYA	IJ
SECTION	81-2, 82R	L	DCATION	East :	St. Louis,	IL, SEC. 18, TV	VP. 2N. RNG. 9	Vi		
COUNTY	St. Clair DRIL	LING METH	IOD Ho	llow St	em Auger an	nd Mud Rotary H	AMMER TYPE	Autor	natic H	lammer
Station	PB-205 22+24 33.00f1 left be Elev. 415.58 gray, FINE	- D E P T H - H (ft	L O W S	U M C D S 1 S Qu T	Stream  Groundw First   Upon C After_  Very dei GRAINED	Water Elev.  Bed Elev.  deer Elev.: Encounter ompletion *** Hrs.  ase, brownish-g SAND (continue	** ft  ** ft  ** ft  ** ft  ray, FINE  d)  353.	D B E L P O T W H S (ft)(/6	U C S Qu ")(†sf	M 0 1 S T
Gee Gradation	Test Results	-45	14 12 12		gray, F	INE GRAINED SAN	D	13 18 -6\$ 29	-	
		-50	10 12 14					12 16 -70 12		
'ery dense∙ br RAINED SAND	ownish-gray, FINE	363.58	29							
			17							
			47					-28		

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

(P)	Illinois De of Transpor	epartment rtation	SO	IL BOF	RING I	_OG	Page <u>3</u>	_ of .
	Division of Highways geotechnology						Date	12/13
ROUTE	FA1 64	DESCRIPTION Trile	evel Inter	change - East	t St. Louis	Mitigation LO	GGED BY	AJJ
SECTION _	81-2, 82R	LOCATION	Eost St.	Louis, IL. S	SEC. 18, TWF	. 2N. RNG. 9	ii	
COUNTY _	St. Clair DRI	LLING METHOD HOLLO	w Stem Aug	ger and Mud R	Rotary HAMM	ER TYPE	Automatic	э Натте
STRUCT. NO. Station	- 082-0394 NA	D B U C P O S	M Su O S	ırface Water Stream Bed El	Elevev.	** f† ** f†		
Station Offset	PB-205 22+24 33.00ft left rface Elev. 415.58		T F	oundwater El irst Encount Ipon Completi After ** H	on	<u>**</u> f†		
	se to very dense. GRAINED SAND )							
Dense, gray GRAINED SAM	y, FINE to MEDIUM	331.58						
		-						
		14						
End of Bori	ing	325.58 -90 18						
		-95 						
		-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 1206)

\* Rimac attempted, not measured due to sample disturbance

\*\* Not measured due to drilling methods used

Sheet EA-13 of 15

FILE NAME =	USER NAME = bhatta	DESIGNED -	REVISED -		SOIL BORING LOGS	F.A. SECTION COUNTY TOTAL SHEET NO.
Ø82-W229_76C47_S13_BOR-Ø1.dgn		DRAWN - MK	REVISED -	STATE OF ILLINOIS	(1 OF 3)	64 82-1-1HBR ST. CLAIR 93 91
	PLOT SCALE = Ø:1 ':" / IN,	CHECKED - ATB	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 082–W229	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. AID PROJECT