BORING NO. PB-202A (1 OF 3)

BORING NO. PB-202A (2 OF 3)

BORING NO. PB-202A (3 OF 3)

Illinois Departmen of Transportation	t			SOIL BORING LOG	Page	_1_ of _3
Division of Highwaya geotechnology				GOIL BOILING LOG	Date	3/28/02
ROUTE FAI 64	DESCRIPTION			Trilevel Interchange LOG	GED BY	KMP
SECTION 81-2, 82R	LOCAT	ION _	East St.	Louis, IL, SEC. 18, TWP. 2N, RNG. 9W		
COUNTY St. Clair DRILLI	NG METHOD		Н	bllow Stem Auger and Mud Rotary HAMMER TYPE	Auton	natic Hammer
STRUCT. NO. 082-0394 Station NA BORING NO. PB-202A	D B E L P O T W	U C S	M O I S	Stream Bed Elev. Unknown ft Groundwater Elev.:	D B E L P O T W	U M C O S I S
Station 16+77	H S	Qu 5") (tsf)	T (%)	First Encounter 375.0 ft Upon Completion After + Hrs. + ft Medium stiff to very soft, gray,	H S (ft) (/6")	Qu T
Soft to stiff, brown, SILTY LOAM	402.03			SILT (continued)	_ 0	
	1 2		26	-	0	0.8 36 S
	4 5		23	_	0	32
Soft, grayish-brown, SILTY CLAY	.s 4 397.53			377.53 Medium stiff, gray, SILTY CLAY	-25 1	
	1 1 2	,	39	_	0 0 2	0.8 47 S
Medium stiff, brown, SILT	395.03			Very soft to stiff, gray, SILT	,	
	3 10 4		26	See Gradation Test Results	0 1	
	1 2		34	_		
	3					
Medium stiff, gray, SILTY CLAY LOAM	389.03 5 4 15 6	0.8 S	36		2 7 -35 8	
Medium stiff to very soft, gray, SILT	387.53			366.03		
See Gradation Test Results	2			Medium dense to dense, gray, FINE GRAINED SAND		
with silty clay seams from 18.5 to 20 feet	2 2 2		34	See Gradation Test Results	- 6 5 - 9	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (8-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)

Divi	linois Departmer f Transportation sion of Highweys eachnology					SOIL BORING LOG			Date		3/28/02
ROUTE	FAI 64	DESCRIPT	ION			Trilevel Interchange	LO	GGED	BY	K	MP
SECTION	81-2, 82R	L	OCATIO	N _E	East St.	Louis, IL, SEC. 18, TWP. 2N, RNG. 9W					
COUNTY	St. Clair DRILL	ING METHO)		Но	illow Stem Auger and Mud Rotary HAMMER TYPE			Auton	natic Har	nmer
STRUCT. NO. Station BORING NO. Station Offset Ground Surface Elev.	082-0394 NA PB-202A 16+77 15.00ft right 403.03	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T	Upon Completion **		D E P T H	B L O W S	U C S Qu (tsf)	M 0 1 S T
Medium dense to dense FINE GRAINED SAND	e, gray,			(4)		Medium dense to dense, gray, FINE GRAINED SAND (continued)				(
		-4	8 16 16					-65	4 10 16		an analysis of the
		-51	7 10 11					-70	13 25 23	ALL VALUE OF THE STREET	
		-6:	9 13 23			Medium dense, gray, MEDIUM GRAINED SAND	331.	-75	12 14 15		
			10								
			10					-80			

The uncommed compressive Strength (UCS) Failure mode is indicated by (B-Bulge, S-Shear, P-Pe
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)

Sitistion NA PB-202A T W Station 16+77 T W Station 15:00t right (ft) (/67) (/68		Illinois Departme of Transportation Median of Highways eclastrology FAI 64		CRIPTI				SOIL BORING I		LOGG	Date SED BY		3/28/ (MP
STRUCT. NO. 082-0394	SECTION	81-2, 82R		LC	CATIO	N _!	East St.	Louis, IL, SEC. 18, TWP. 2N, RNG. 9W	V				_
Station NA PB-202A T W S I Station 16+77 H S Qu T Offiset 15:00t right 403.03 t (ft) (/6°) (tst) (%) Medium dense, gray, MEDIUM GRAINED SAND (continued) E L C O S I Stream Bed Elev. Unknown it E L C C S I T W S Stream Bed Elev. Unknown it E L C C Groundwater Elev. T W S Groundwater Elev. First Encounter 375.0 t V H S Qu Upon Completion 1: t (tt) (/6°) (tst) Medium dense, gray, MEDIUM GRAINED SAND (continued)	COUNTY	St. Clair DRI	LLING ME	ETHOD			H	ollow Stem Auger and Mud Rotary H/	AMMER TYPE		Autor	natic Har	mmei
Medium dense, gray, MEDIUM GRAINED SAND (continued) Medium dense, gray, MEDIUM GRAINED SAND (continued)	Station BORING NO Station Offset	NA PB-202A 16+77 15.00ft right		E P T H	0 W S	C S Qu	O S T	Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion	Unknown ft		L P O T W H S	C S Qu	M (
4	Medium dense, gray,	MEDIUM				(lai)	(74)	Medium dense, gray, MEDIUM	ππ			(45)	
88 8 End of Boring -108					4			Refusal		299.03	50/4"		F
					4 5 6								

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 7206)

*Rimac attempted, not measured due to sample disturbance

*Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Sheet PB-22 of 25

FILE NAME =	USER NAME = bhatta	DESIGNED -	REVISED -				ROR	ING LO	22		F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET S NO.
082-0394_76C47_S22_BDR-03.dgn		DRAWN - MK	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 082-0394					64	82-1-1HBR	ST. CLAIR	93	63	
	PLOT SCALE = Ø:1 ':" / IN.	CHECKED - ATB	REVISED -	DEPARTMENT OF TRANSPORTATION		311	nuciun	1E 14U. U	02-0354				CONTRAC	CT NO.	76C47
	PLOT DATE = 5/1/2009	DATE - 05/01/09	- 05/01/09 REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO. ILLINOIS FED.	AID PROJECT		