BORING NO. RW-80 (1 OF 3)

BORING NO. RW-80 (2 OF 3)

BORING NO. RW-80 (3 OF 3)

Allinois Dan	artment		Page 1 of 3
of Transporta	ation	SOIL BORING LOG	Date <u>10/21/02</u>
· · · · · · · · · · · · · · · · · · ·	SCRIPTION	Trilevel Interchange LOG	GGED BY VZ
SECTION 81-2, 82R	LOCATION EC	gst St. Louis, ∐., SEC. 18. T₩P. 2N. RNG. S	3W
		Stem Auger and Mud Rotary HAMMER TYPE	
STRUCT. NO. RW-W229 Station NA BORING NO. RW-80 Station 22+10 Offset 32-00ff right	D B U E L C P O S T W H S Qu	linen Completion ** ft	D B U M E L C O P O S 1 T W S H S QU T
Ground Surface Elev. 414.98 ft Topscil - 6 inches 414.4 Brown. SILTY CLAY. with some fine to coarse sand, crushed limestone gravel, and brick fragments (FILL)	4	(%) After Hrs. ** ft (Very soft, gray, SILT (continue)(1,48) Medium stiff to stiff, gray, SILTY LOAM See Gradation Test Results	(%) (%) (%) (%) (%) (%) (%) (%) (%) (%)
403, 4	4 4 -5 5	389.48	5 6 14 -25 4
Soft to medium stiff, brown and gray, SlLT	1 2 2 2	Medium stiff to stiff, gray, SILT See Gradation Test Results	2 2 26 5
Medium stiff to soft, brown, SILTY	10	27	2 2 29 -30 5 29
L DAW	1 3 5	19 382.98 Medium dense, gray, FINE GRAINED SAND	
	3 4 -15 4	24	5 6 -35, 7
See Gradation Test Results	2 1 2	- 30	
Very soft, gray, SILT	0 - 0 - 0 - 20 2	- 38	8 -40 8

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPI (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	epartmen tation	†	SI	OIL BORING LOG		Page	2 (of <u>3</u>
	Division of Highways geotechnology						Date	10/3	21/02
ROUTE	FAI 64	DESCRIPTION			Trilevel Interchange	LOGGE	D BY	V	7
SECTION	81-2, 82R	LOCATI	ON <u>E</u> c	st S	t. Louis, IL, SEC. 18, TWP. 2N	RNG. 9W			
COUNTY	St. Clair DRIL	LING METHOD I	lo <u>llow</u> S	tem	Auger and Mud Rotary HAMMER TY	PE	utomati	ic Ham	mer
STRUCT. NO. Station BORING NO. Station Offset Ground Sur- Medium dense	RW-W229 NA RW-B0 22+10 32.00ft right face Elev. 414.98 e. gray. FINE 0 (continued)	D B E L P O T W H S	U C S	M O I S T	Surface Water Elev. Unknown Stream Bed Elev. Unknown Groundwater Elev.: First Encounter 397.0 Upon Completion ** After Hrs. ** Medium Grane, gray, FINE GRAINED SAND (continued) Dense, gray, FINE GRAINED SAND Medium dense to dense, gray, MEDIUM GRAINED SAND		B L O W	U C S	M 0 1 S T
		18					7 8		
		-60 7	1		l .	_0	0 7	. [

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

(V)	Illinois (of Transpo Division of Highways geofectnology	Departmer ortation	1†	SOIL	BORING	S LOG		3 of
ROUTE	FAI 64	DESCRIPTION	٧	Trile	vel Interchang	e	LOGGED BY	VZ
SECTION	81-2, 82R	LOCA	TION <u>Eas</u>	st St. Loui	s. IL. SEC. 18	. TWP. 2N. R	NG. 9W	
COUNTY	St. Clair DF	RILLING METHOD	Ho <u>llow_S</u> †	tem Auger o	and Mud Rotary	HAMMER TYPE	Automat	ic Hammer
STRUCT, NO. Station	RW-W229 NA	D B E L P O	C (e Water Elev. m Bed Elev.			
Station	RW-80 22+10 32.00ft right face Elev. 414.98	T W H S	Qu 1	First	water Elev.: Encounter Completion Hrs.	** f1	t .	
	e to dense, gray,	-65 -65 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7						
End of Borin	ng	324.98 -90 20						

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

Sheet EA-15 of 15

FILE NAME =	USER NAME = bhatta	DESIGNED		REVISED -			SOIL BORING LOGS		F.A. RTF.	SECTION	COUNTY TOTAL SHEET NO.
Ø82-W229_76C47_S15_B0R-Ø3.dgn		DRAWN	- MK	REVISED -	STATE OF ILLINOIS		(3 OF 3)		64	82-1-1HBR	ST. CLAIR 93 93
	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 FE). AID PROJECT