BORING NO. RW-78 (1 OF 3)

Illinois Depart	men	†	C	OIL BODING LOC	Ро	ge	_1 0	of <u>3</u>
O† ITANSPORTATI Division of Highways gastechnology	on		3	OIL BORING LOG	Da	te.	10/16	/02
ROUTE FAI 64 DESCRIP	TION			Trilevel Interchange LOGO	ED BY		R	RLH
SECTION 81-2, 82R	LOCATIO	ON _	East S	t. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W				
COUNTY St. Clair DRILLING METH	IOD Hol	low Ste	em Aug	er and Mud Rotary HAMMER TYPE A	utoma	tic	Hamme	r
STRUCT. NO. RW-W228 D E	L 0 ₩ S	U C S Qu (†sf)	M 0 I S T	Stream Bed Elev. Unknown ft Groundwater Elev.: First Encounter	E I	0 ₩ 5	U C S Qu tsf)	M 0 1 S T
Brown and black, SILTY LOAM, with silty clay seams, trace gravel, cinder sand, and brick fragments (FILL)	2 3	1.0	23	Medium stiff, groy, SILTY LOAM 395.27 (continued) Medium dense, brown, tink GRAINED SAND	-	- 1		
-	3	P		392.77 Soft, gray, SILT				
	1 2 5 3	1.5 P	29			1 2	•	33
Stiff, brown and gray, SILTY CLAY LOAM	2 2 3	1.4 S	28	Medium dense, gray, FINE CRAINED SAND		4 7 8		
	0		74	Stiff, gray, SILTY LOAM		3		
-10 405.27 Very soft to soft, brown to gray,	0 2	1.3 B	34	See Gradation Test Results	30			
SILT	1 0 1	•	33	383.77 Medium dense to very dense, groy, FINE GRAINED SAND				
	1 1 3	•	36	_ 	1 1- 35 1	4		
Soft, gray, SILTY CLAY LOAM	1 1 3	•	47	- -				
Medium stiff, gray, SILTY LOAM	2		29	. -	i	7		
-20	⊣ .			_	40			

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)

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

BORING NO. RW-78 (2 OF 3)

Illinois De of Transpor	epartment tation	SC	DIL BORING LOG		Page Date	2	of _:
ROUTE FAI 64	DESCRIPTION	Tı	rilevel Interchange	LOGGED	BY		RLH
SECTION 81-2, 82R	LOCATION	East St	. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W				
COUNTY St. Clair DRILL	LING METHOD Hollow St	em Auge	r and Mud Rotary HAMMER TYPE	Auto	omatic	Hamm	er
STRUCT, NO. RW-W228	D B U E L C P O S T W S Qu	0 1 S T	Surface Water Elev. Unknown 1 Stream Bed Elev. Unknown 1 Groundwater Elev.: First Encounter First Encounter • • • • • • • • • • • • • • • • • • •	P T	B L O W S	U C S Qu (†sf)	M 0 I S T
Wedlum dense to very dense, gray, Filke GRAINED SAND (continued)	12		Medium dense to very dense, gray, FINE GRAINED SAND (continued) See Gradation Test Results		18		
	-45 11 			-65	13		
	13 -50 17			-70	23 28		
	16 55 16			-75	11		
	25 -60 20			-80	11 16		

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 1206)

• Rimac attempted, not measured 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

BORING NO. RW-78 (3 OF 3)

TILITION S Department of Transport action of T	Illinois	Departm	nen:	†	c	OTI DODIN		Page	<u>3</u> of <u>3</u>
SECTION	Division of Highways geotechnology	OFTUTE	ווע		3	OIL DONIN	IU LUU	Date	10/16/02
STRUCT. NO. RW-W228 Station NA	ROUTE FAI 64	DESCRIPT	ION			Trilevel Interchange		LOGGED BY	RLH
STRUCT. NO. RN-W228	SECTION 81-2, 82R	L(DCATIO	ON _I	East S	it. Louis, IL, SEC. 18, T	TWP. 2N, RNG. 9W		
Station NAA	COUNTY St. Clair D	RILLING METHO	D Holl	low Ste	em Aug	ger and Mud Rotary	HAMMER TYPE	Automatic	Hammer
BORING NO. RW-78		E	L	C	0				
Medium dense to very dense, gray, FINE GRAINED SAND (continued) Bense, gray, MEDIUM GRAINED SAND, some coarse sond and gravel 20 15 325.77 -90 20 End of Boring	Station 12+01 Offset 20 00ft left	Н Н	W S	Qu	S T	First Encounter Upon Completion		†	
Dense, gray, MEDIUM GRAINED SAND, some coarse sand and gravel	Medium dense to very dense, gray, FINE GRAINED SAND	The state of the s							
20	SAND, some coarse sand and								
	gravel								
End of Boring		325 77 =90	15						
-95 	ind of Boring								
		-95 		AAAAAAA CAAAAAA AAAAAAAAAAAAAAAAAAAAAA					

The Unconfined Compressive Strength (LUCS) 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

Sheet No. WA-11 of 12

F	TI F NAME :	USER NAME = bbatta	DESIGNED -	REVISED -				SOIL	BORING	LOGS		F.A.	SECTION	COUNTY	TOTAL SH	EET
0	82-W228_76C47_S11_B0R-02.dgn	Solit Will Solid S	DRAWN - MK	REVISED -	STATE OF ILLINOIS				2 OF 3)			64	82-1-1HBR	ST. CLAIR	93 ·	77
		PLOT SCALE = Ø:1 ':" / IN.	CHECKED - ATB	REVISED -	DEPARTMENT OF TRANSPORTATION		STI	RUCTU		82-W228				CONTRAC	T NO. 76C	:47
- 1		PLOT DATE = 5/1/2009	DATE - 05/01/09	REVISED -		SCALE:	SHEET NO.	0F	SHEETS	STA.	TO STA.	FED. ROAD DIST.	NO. ILLINOIS FED.	AID PROJECT		