Illinois Department of Transportation Division of Highways Geotechnology, Inc

SOIL BORING LOG

Page <u>1</u> of <u>1</u>

Date <u>3/16/10</u>

ROUTE	FAP 998	DESCRIP	TION	Westerna de constante	Trilevel Interchange			LO	LOGGED BY		BJS	
SECTION _	82-1	.	_OCATIO	N _	East St	ast St. Louis, IL, SEC. 18, TWP. 2N, Ri		9W				
COUNTY _	St. Clair DR	St. Clair DRILLING METHOD			Но	llow Stem Auger	_ HAMMER TY	PE _	CN	IE 55 TRI	K	
STRUCT. NO. Station	BAUGH AVE 14+03.	D E P T	B L O W	U C S	M 0 1 S	Surface Water Elev. Stream Bed Elev.	Unknown Unknown		D E L P C T V	. C S	M 0 1 S	
Offset	84+47.00 72.20ft RT	— Н	S	Qu	Т	Groundwater Elev.: First Encounter Upon Completion	**	_ ft _ ft	H	Qu	T	
Ground Sur Asphalt — 12	face Elev. <u>419.11</u> 2 inches	ft (ft)	(/6")	(tsf)	(%)	After Hrs. Stiff, brown, CLAY	**	_ ft	(ft) (/6	6") (tsf)	(%)	
	CLAY (FILL), trace nestone fragments	418.11	2 2		23						29	
			5			Medium Stiff, brown, S	SILTY LOAM	396.11	2	. S		
			2	3.1	30	Grain Size Distribution			1		24	
			5	В		End of Boring		394.11	-25 4	A STATE OF THE STA		
			2 3	2.9	18							
			5	S				-				
			2 4		19			-				
Very stiff, br	own, CLAY	409.11 -10	9						-30			
			2	2.9	30			-				
		406.11	5	S								
Soft, brown,	CLAY LOAM		1	0.2	35			-	_			
		-15 403.61	2	B	33			-	-35			
Very stiff, br	rown, CLAY	-	1	2 2	77			-				
		401.11	1 2	2.2 S	33			•				
	brown, LOAM istribution Conducted	401.11	1									
		399.11 -20	1 2	0.5 B	29				<u>-</u> -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 (AASHTO T206)

DESIGNED

DRAWN

CHECKED

AECOM

PMK

MPW

1-20-12

REVISED

REVISED

REVISED

REVISED

* Rimac not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

FILE NAME =

STATE OF ILLINOIS

SOIL BORING

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Page <u>1</u> of <u>1</u>

Date <u>3/17/10</u>

ROUTE	FAP 998	FAP 998 DESCRIPTION		Trilevel Interchange	LOGGED	LOGGED BY		EED			
SECTION	82-1	LOCATION	East St	. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W							
COUNTY	St. Clair DRILLING METHOD		HSA w	HSA with MR below 13 ft HAMMER TYP			E <u>CME 750X / 73%</u>				
STRUCT. NO Station	0. <u>8S082I064L003.0</u> 64W STA 110+12.00	D B E L P O	U M C O S I	Surface Water Elev. <u>Unknown</u> Stream Bed Elev. <u>Unknown</u>	ft E	B L O	U C S	M O I			
Station Offset	. <u>ST- 9</u> 110+10		Qu T	Groundwater Elev.: First Encounter 389.6 Upon Completion **	ft	W S	Qu	S T			
Ground S Asphalt -		ft (ft) (/6") ((tsf) (%)	After Hrs**	ff (^{††}) 382.13	(/6")	(tsf)	(%)			
Medium de FINE GRAIN	nse to loose, brown,	1.71 5		Medium dense, gray, FINE GRAINED SAND		1 5	0.3	23			
		8				7	В				
		2				10					
		4 _5 5		·		9 12	0.4 S				
		1		Grain Size Distribution Conducted		3					
		3 4	0.5 27 S	loose		4 5		26			
Grain Size	Distribution Conducted	2 4 2	0.5 24 B		-30	6 9 12					
		-1	0.5 30	·	-						
		4	S			-					
		3 4 -15 5			367.63 -35	5 7 12					
Very loose gray, SAND	to medium dense, Y LOAM	1	0.5 31 B	End of Boring							
Grain Size	Distribution Conducted	1	0.4 39 B								

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 not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

COUNTY TOTAL SHEET NO.
ST. CLAIR 629 438 SECTION 82-1-R(A), 82-1-R(B) **DEPARTMENT OF TRANSPORTATION** •64/998/70 CONTRACT NO. 76C52 SHEET NO. 6 OF 6 SHEETS STA. NA TO STA. NA