STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

(V)	Illinois Department of Transportation
	Division of Highways

SOIL BORING LOG

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	Division of Highways Geotechnology, Inc	a 11011			•		Date	3/27	7/09
ROUTE	FAP 998	_ DESCRIP	TION			Trilevel Interchange LOGO	GED BY	D	TC
SECTION	82-1		LOCATIO)N _	East St	Louis, IL, SEC. 7, TWP. 2N, RNG. 9W			
COUNTY	St. Clair DRIL	LING METH	DO			HSA, with MR DRILL RIG/ HAMMER EFFICIENCY -	CME 75	/ 8	0%
Station BORING NO. Station Offset	082-0326 NA B-423 16+26.06 23ff RT ace Elev. 419.7	D E P T H (ff)	B L O W S (/6")	U C S Qu (tsf)	M 0 1 S T	Stream Bed Elev. Unknown ft Groundwater Elev.: First Encounter Not Measured ft Unen Completion Not Measured ft	D B L P O T W S (ft) (/6")	U C S Qu (tsf)	M O I S T (%)
	CLAY (FILL), trace	-	5 7	*	32	Loose to medium dense, tan, SANDY LOAM	4 5	*	
			3 2 3	*	22	<u>-</u>	6 6 5	*	
Stiff, gray, Cl	LAY	414.2	3 4 5	*	22	_ _ _	-25 5 - 6 3 3 3	*	
Medium stiff,	brown, SILTY CLAY	411.7	3 4 4	*	26	Soft, gray, SILT	2 2 1	*	
Medium stiff,	tan, SILTY LOAM	409.2	3 3 3	*		Medium dense to dense, gray, FINE GRAINED SAND			
Medium stiff, CLAY	gray brown, SILTY	404.2	4	*	24	- -	9 -35 9		
						——————————————————————————————————————	_		

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
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

AECOM

303 East Wacker Drive, Suite 600 Chicago, Illinois 60601 Ph: 312.938.0300 Fox: 312.373.6806 www.aecom.com

SOIL BORING: B-423

DESIGNED	-PJL	
CHECKED	- DDB	
DRAWN	- BRD	
CHECKED	- DDB	

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Illinois Department of Transportation Division of Highways Geotechnology, Inc

SOIL BORING LOG

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Date <u>3/27/09</u>

ROUTE	FAP 998	DESCRIPTION Trilevel Interchange			LOGGED BY	DTC
SECTION _	82-1	LOCATIO				
COUNTY _	St. Clair DRIL	ING METHOD HSA, with MR DRILL RIG/ HAMMER EFFICIENCY			CME_ 75	/ 80%
STRUCT. NO.	082-0326 NA	D B E L P O	U M C O S I	Surface Water Elev. <u>Unknown</u> ft Stream Bed Elev. <u>Unknown</u> ft	D B L P O	U M C O S I
BORING NO. Station Offset	B-423 16+26.06 23ft RT	- T W S - (ft) (/6")	Qu S T (tsf) (%)	Groundwater Elev.: First Encounter Not Measured ft Upon Completion Not Measured ft	T W S (ft) (/6")	Qu S T (tsf) (%)
	face Elev. 419.7 e to dense, gray, SAND			After Hrs. Not Measured ft Medium dense to dense, gray, FINE GRAINED SAND (continued)		
Grain size di	stribution conducted	14 16 -50 18				
		9 10 -55 11 - - - - 17		Medium dense, gray, GRAVELLY SAND Grain size distribution conducted	44.7 -75 	
		16			_ ₈₀ 13	

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)

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BBS, from 137 (Rev. 8-99)

SOIL BORING: B-423 2 OF 4

BORING LOGS - I STRUCTURE NO. 082-0326

SHEET NO. 529		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		64	82-1-3HB, 82-2N, 82-1-12RS	ST. CLAIR	352	231
536	SHEETS	F.A.l	J. 9166 / F.A.U. 9180	CONTRACT	NO. 76	C51
		FED. RO	DAD DIST, NO. ILLINOIS FED. AI	D PROJECT		