STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

(V)	Illinois Department of Transportation

SOIL BORING LOG

Page <u>1</u> of <u>4</u>

	Division of Highways Geotechnology, Inc				Date	3/26/09
ROUTE	FAP 998	_ DESCRIPTION		Trilevel Interchange	LOGGED BY	DTC
SECTION	82-1	LOCATIO	N <u>East St</u>	Louis, IL, SEC. 7, TWP. 2N, RNG. 9W		
COUNTY	St. Clair DRIL	LING METHOD		HSA, with MR DRILL RIG/ HAMMER EFFICIENCY	CME_75	/ 80%
Station BORING NO. Station Offset	082-0326 NA B-424 13+37.77 5ft LT ace Elev. 419.4	D B E L P O T W H S - (ft) (/6")	U M C O S I S Qu T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs. Not Measured Not Measured	ft E L P O T W H S ft	U M C O S I S Qu T (tsf) (%)
TOPSOIL - 6		418.9	* 12	Soft, brown, SILTY LOAM (continued) Stiff, brown, SILT	398.9 4 5 5	* 23
Brown, SILTY gravel	SAND (FILL), with	416.4 	* 15	Medium stiff, gray, SILTY CLAY	396.4 0 3 -25	* 31
Medium stiff,	brown, SILTY CLAY	2 2 3	* 26:	Medium stiff, gray, SILT	393.9 4 3 3	* 24
Stiff, brown,	SILTY LOAM	411.4 - 3 - 1 -10 1	1.0 29 B		4 3 3	* 28
Stiff, brown,	CLÁY	0 2	1.1 34 B	Medium dense, gray, SANDY LOAM	387.4	
		1 2 -15 3	1.4 36 S		- 6 7 -35 6	* 24
Loose, brown,	, SANDY LOAM SILTY LOAM	6 6 4	*	Medium dense to dense, gray, FINE GRAINED SAND, trace silt	382.4	
		1			8	

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 Fax: 312.373.6806 www.aecom.com

SOIL BORING: B-424 1 OF 4

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

03/31/2011 K:\PRDJECTS\60046609\In_Progress\PLANS\D8TRI-76C51-SN082-0326.dgn 3/22/2011

W	Illinois Department
	of Transportation Division of Highways Geotechnology, Inc

SOIL BORING LOG

Page <u>2</u> of <u>4</u>

	OT ITANSPORT Division of Highways Geotechnology, Inc	ation	,	SUIL DUNING LUG	Date	3/26/0
ROUTE	Geotechnology, Inc	DESCRIPTION		Trilevel Interchange	LOGGED BY	DTC
SECTION	82-1	LOCATION	N Fast S	t. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W	_	
COUNTY		LING METHOD	,	HSA, with MR DRILL RIG/ HAMMER EFFICIENCY	CME_75	/ 80%
	-	D B	UM	T T		U
STRUCT. NO. Station	082-0326 NA	— E L	C O	Surface Water Elev. <u>Unknown</u> ft Stream Bed Elev. <u>Unknown</u> ft	1 ~ 1	C
BORING NO. Station	B-424 13+37.77	T W S	Qu T	Groundwater Elev.: First Encounter Not Measured ft	T W	Qu
Offset	5ft LT		(tsf) (%)	Upon Completion Not Measured ft After Hrs. Not Measured ft	(6) ((6))	(tsf) (
Medium dens	e to dense, gray, SAND, trace silt			Medium dense to dense, gray, FINE GRAINED SAND, trace silt		
continued)	SAND, NOCCOM			(continued)		
					. —	
		8 8			19	
Grain size di	stribution conducted	374.445 8		Grain size distribution conducted	354.4 <u>-65</u> 19	
		_				
		6 7			17 15	
					15 70 12	
		-			_	
		14				
		-				
					\exists	
		26 21			33 27	
		-60 20			-80 24	

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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** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

SOIL BORING: B-424 2 OF 4

BORING LOGS - III STRUCTURE NO. 082-0326

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SHEET NO. S31	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0.,221		82-1-3HB, 82-2N, 82-1-12RS	ST. CLAIR	352	233
S36 SHEETS	F.A.l	J. 9166 / F.A.U. 9180	CONTRACT	NO. 76	C51
	EED, RO	DAD DIST. NO. ILLINOIS FED. AT	D PROJECT		