BORING LOG B-402 (Page 3 of 4)

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Page 3 of 4

Date 2/13/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW

SECTION 82-1 LOCATION East St. Louis, IL SEC. 12 TWP. 2N RNG. 10W

COUNTY St. Clair DRILLING METHOD HSA with MR DRILL RIG/ HAMMER EFFICIENCY CME 75 / 80%

STRUCT. NO. 082-0312
Station NA

BORING NO. B-402
Station 193+67.91
Offset 48ft Left
Ground Surface Elev. 419.6 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter Not Measured ft
Upon Completion Not Measured ft
After ___ Hrs. Not Measured ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense to very dense, gray brown, FINE GRAINED SAND, trace silt *(continued)*				
	335.6			
Dense, gray, COARSE GRAINED SAND	-85			
		11		
		14		
	-90	17		
	-95			
	322.6			
Very dense, gray, MEDIUM GRAINED SAND, with boulders				
		30		
		35		
	-100	37		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very dense, gray, MEDIUM GRAINED SAND, with boulders *(continued)*				
	315.6			
Medium dense, gray, COARSE GRAINED SAND, trace to some gravel	-105			
		10		
		13		
	-110	15		
	307.6			
GRAVEL, COBBLES, BOULDERS				
	-115			
	304.1			
Highly weathered LIMESTONE				
	302.6			
CRYSTALLINE LIMESTONE - See rock core log				
	-120			

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)

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Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRYSTALLINE LIMESTONE - See rock core log *(continued)*				
	-125			
	292.6			
End of Boring				
	-130			
	-135			
	-140			

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)

BORING LOGS 6
INTERSTATE 70 OVER 1ST STREET
FAI-70
SECTION 82-1-2HB
ST. CLAIR COUNTY
STA. 192+97.45
STRUCTURE NO. 082-0312 (EB)
STRUCTURE NO. 082-0313 (WB)

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

FILE NAME = ...\08TR1-082\0312-082\0313-76C50-030-BoringLogs6.dgn	USER NAME = SAW	DESIGNED - LAS	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	DRAWN - SAW	REVISED -
	PLOT DATE = 2/25/2011	CHECKED - LAS	REVISED -
		DATE - 3-18-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 6

SCALE: NONE | SHEET NO. 30 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-1-2HB	ST. CLAIR	72	60
SN 082-0312 & 082-0313		CONTRACT NO. 76C50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		