STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B-21 (Page 3 of 4)

Illinois Department of Transportation — Division of Highways — geotechnology

SOIL BORING LOG

Page 3 of 4

Date 2/21/01

ROUTE FAI-999 DESCRIPTION Trilevel Interchange LOGGED BY JLG

SECTION 81-2, 82R LOCATION , SEC. 18, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. 082-0377
Station NA

BORING NO. B-21
Station 9+41
Offset 58.00ft Left
Ground Surface Elev. 415.10 ft

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

Groundwater Elev.:
First Encounter ** ft
Upon Completion ** ft
After ** Hrs. ** ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense to dense, gray, FINE GRAINED SAND *(continued)*			
	12		
	10		
-85	11		
325.10 -90 Dense to medium dense, gray MEDIUM GRAINED SAND			
See Attached Gradation Test Results	12		
	16		
-95	13		
-100			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense to medium dense, gray MEDIUM GRAINED SAND *(continued)*			
	8		
	10		
-105	16		
-110			
See Attached Gradation Test Results	8		
	22		
-115	26		
297.10 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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Upon Completion ** ft
After ** Hrs. ** ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRYSTALLINE LIMESTONE - See Rock Core Log *(continued)*			
-125			
286.60 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)

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

DESIGNED	LAS
CHECKED	JLA
DRAWN	SAW
CHECKED	LAS

3-31-2010

BORING LOGS 3
STRUCTURE NO. 082-0377

SHEET NO. 44	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
44 SHEETS	64	82-1-2HB	ST. CLAIR	345	251
			CONTRACT NO. 76C49		
		ILLINOIS	FED. AID PROJECT		

Revised 4/15/2010