STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG B-20 (Page 4 of 4)

Illinois Department of Transportation
Division of Highways/geotechnology

SOIL BORING LOG

Page 4 of 4
Date 11/22/00

ROUTE FAI-999 DESCRIPTION Trilevel Interchange LOGGED BY BEC
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-20
Station 6+11
Offset 47.00ft Right
Ground Surface Elev. 415.80 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 (%)
CRYSTALLINE LIMESTONE- See Rock Core Log *(continued)*			
286.30 End of Boring			

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 LOG B-21 (Page 1 of 4)

Illinois Department of Transportation
Division of Highways/geotechnology

SOIL BORING LOG

Page 1 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 (%)
Brown, SILTY CLAY (FILL)	3		
	2 3	1.3 P	
412.10 Medium stiff, brown and gray, CLAY	2		
-5	3 4	1.7 S	36
	3		
	3 3	2.0 S	39
407.10 Soft to medium stiff, brown and gray, mottled, SILTY CLAY	2		
-10	2 3	1.0 B	38
	2		
	2 2	0.3 B	34
	1		
-15	2 2	1.3 S	34
	2		
	3 3	1.3 B	33
397.10 Medium dense, brown, FINE GRAINED SAND	4		
-20	6 5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense, brown, FINE GRAINED SAND *(continued)* 394.10 Stiff to soft, gray, SILTY CLAY LOAM	4		
	3 3	0.3 B	35
	1		
-25	2 2	0.3 B	35
	6		
	5 3	*	20
	6		
-30	6 8	*	24
	0		
-35	1 1	0.5 P	39
376.10 Soft, gray, SANDY LOAM	0		
-40	1 1	*	37

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SOIL BORING LOG

Page 2 of 4
Date 2/21/01

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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 (%)
Soft, gray, SANDY LOAM *(continued)* 373.10 Medium dense to dense, gray, FINE GRAINED SAND			
	8		
-45	12 14		
See Attached Gradation Test Results	8		
-50	10 9		
	15		
-55	15 25		
	15		
-60	17 10		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium dense to dense, gray, FINE GRAINED SAND *(continued)*			
	4		
-65	3 5		
becomes loose with trace COARSE GRAINED SAND	7		
-70	8 10		
	17		
-75	11 8		
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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* 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 2
STRUCTURE NO. 082-0377

SHEET NO. 43	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
44 SHEETS	64	82-1-2HB	ST. CLAIR	345	250
			CONTRACT NO. 76C49		
		ILLINOIS	FED. AID PROJECT		

Revised 4/15/2010