

**BORING LOG: B-16 (Page 4 of 4)**

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Date 2/20/01

**Illinois Department of Transportation**  
Division of Highways  
Geotechnology, Inc.

### SOIL BORING LOG

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC  
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W  
COUNTY St. Clair DRILLING METHOD HSA with MR DRILL RIG/  
HAMMER EFFICIENCY Automatic Hammer

STRUCT. NO. <u>082-0322</u>	D	B	U	M	Surface Water Elev. <u>Unknown</u> ft	
Station <u>NA</u>	E	L	C	S	Stream Bed Elev. <u>Unknown</u> ft	
BORING NO. <u>B-16</u>	T	O	Q	O	Groundwater Elev.:	
Station <u>64+49.44</u>	H	W	S	I	First Encounter <u>∞</u> ft	
Offset <u>24ft Left</u>	S	S	Qu	S	Upon Completion <u>**</u> ft	
Ground Surface Elev. <u>416.1</u> ft	(ft)	(#6")	(tsf)	(%)	After <u>**</u> Hrs. <u>**</u> ft	

CRYSTALLINE LIMESTONE -  
See Rock Core Log (continues)

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, form 137 (Rev. 8-95)

**ROCK CORE LOG: B-16 CORE (Page 1 of 1)**

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Date 2/20/01

**Illinois Department of Transportation**  
Division of Highways  
Geotechnology, Inc.

### ROCK CORE LOG

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC  
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W  
COUNTY St. Clair CORING METHOD Wireline

STRUCT. NO. <u>082-0322</u>	CORING BARREL TYPE & SIZE <u>NX (2.985 in.)</u>	D	C	R	R	C	C	S
Station <u>NA</u>	Core Diameter <u>2</u> in	E	O	E	Q	O	O	T
BORING NO. <u>B-16 Core</u>	Top of Rock Elev. <u>299.6</u> ft	P	R	C	D	E	E	R
Station <u>64+49.44</u>	Begin Core Elev. <u>299.6</u> ft	T	E	R	E	E	E	E
Offset <u>24ft Left</u>		H	R	E	E	E	E	E
Ground Surface Elev. <u>416.1</u> ft		(ft)	(#)	(%)	(%)	(min/ft)	(tsf)	

LIMESTONE, hard, gray, micritic, massive, with chert inclusions and occasional stylolites, fresh to slightly weathered with some discoloration along stylolites, broken from 116.5' - 117' with deposits of white clay along breaks

End of Boring

Color pictures of the cores Yes  
Cores will be stored for examination until September 1, 2002  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)  
BBS, form 138 (Rev. 8-95)

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USER NAME =	DESIGNED - P.J.L.	REVISED -
PLOT SCALE = 0.2" = 1' / IN.	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2011	CHECKED - DDB	REVISED -
	DATE - 07-01-11	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS XIV  
I-70E OVER I-55, CSX & KCS RAILROADS**

SCALE: SHEET 5-203 OF 5-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	330
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		