BORING LOG: B-3 (Page 4 of 4)

Illinois Department of Transportation
Division of Highways Geotechnology, Inc

SOIL BORING LOG

Page 4 of 4

Date 10/17/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC

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

COUNTY St. Clair DRILLING METHOD HSA and Mud Rotary DRILL RIG/ HAMMER EFFICIENCY Automatic Hammer

STRUCT. NO. 082-0322 / 082-0324
Station NA

BORING NO. B- 3
Station 52+98.8
Offset 17ft Left
Ground Surface Elev. 417.6 ft

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

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRYSTALLINE LIMESTONE - See Rock Core Log		-125			
	287.6	-130			
End of Boring		-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)

ROCK CORE LOG: B-3 CORE (Page 1 of 1)

Illinois Department of Transportation
Division of Highways Geotechnology, Inc

ROCK CORE LOG

Page 1 of 1

Date 10/17/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC

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

COUNTY St. Clair CORING METHOD Wireline

STRUCT. NO. 082-0322 / 082-0324
Station NA

BORING NO. B- 3 Core
Station 52+98.8
Offset 17ft Left
Ground Surface Elev. 417.6 ft

CORING BARREL TYPE & SIZE NX (2.985 in.)
Core Diameter 2 in
Top of Rock Elev. 297.6 ft
Begin Core Elev. 297.6 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
LIMESTONE, moderately hard to hard, gray, fine to medium crystalline, fresh to slightly weathered, thickly bedded to massive with occasional dark gray chert nodules mechanical breaks at 121.5', 122', 124'		-125	1	95	79	3.6	751.0
	288.6						
Core loss	288.1						
	287.6	-130					
End of Boring		-135					
		-140					

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. 8-99)

AECOM	USER NAME =	DESIGNED - PJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS II I-70E OVER I-55, CSX & KCS RAILROADS	F.A.I. RTE. 70	SECTION 82-1-B-2	COUNTY ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 318
		DRAWN - BRD	REVISED -			S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
	PLOT SCALE = 0:2 ' / IN.	CHECKED - DDB	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
	PLOT DATE = 6/27/2011	DATE - 07-01-11	REVISED -		SCALE: SHEET S-191 OF S-234 SHEETS STA. TO STA.					

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