BORING LOG: B-11 (4 of 4)

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Page 4 of 4

Date 11/28/00

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 HAMMER TYPE Automatic Hammer

STRUCT. NO. 082-0322
Station NA

BORING NO. B- 11
Station 75+50.48
Offset 24.03ft Left
Ground Surface Elev. 416.90 ft

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

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CRYSTALLINE LIMESTONE – See Rock Core Log (continued)				
292.40				
End of Boring	-125			
	-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 not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

ROCK CORE LOG: B-11 CORE (1 of 1)

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

ROCK CORE LOG

Page 1 of 1

Date 11/28/00

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. 082-0322
Station NA

CORING BARREL TYPE & SIZE NX (2.985 in.)
Core Diameter 2 in
Top of Rock Elev. 302.40 ft
Begin Core Elev. 302.40 ft

BORING NO. B- 11 Core
Station 75+50.48
Offset 24.03ft Left
Ground Surface Elev. 416.90 ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Core Loss	-115	1	60	42	3.2	
300.40						
Glacial outwash with granite, obsidian, rounded quartz and quartzite						
299.40						
LIMESTONE, gray, fine to medium crystalline, moderately hard, fresh/slightly weathered, moderately weathered along clay partings from 119.5' to 120'						
297.40						
LIMESTONE, gray, fine to medium crystalline, moderately hard, fresh/slightly weathered, with horizontal fractures at 123.5' and 124.5', slightly weathered along fractures	-120	2	100	100	3.6	478.0
292.40						
End of Boring	-125					
	-130					

Color pictures of the cores Yes
Cores will be stored for examination until September 1, 2002
The "Strength" column represents the unicxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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AECOM	USER NAME =	DESIGNED - PJL	REVISED -
		DRAWN - BRD	REVISED -
	PLOT SCALE = 0:2 ':' / IN.	CHECKED - DDB	REVISED -
	PLOT DATE = 6/27/2011	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET S-197 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	324
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		