

BORING LOG: B-416 (4 of 4)

ROCK CORE LOG: B-416 CORE (1 of 1)



Illinois Department of Transportation
Division of Highways
Geotechnology, Inc.

SOIL BORING LOG

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Date 4/7/09

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY LAH
SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W
COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 75 / 80%

STRUCT. NO. 082-W310 DEPTH NA SURFACE WATER ELEV. Unknown ft
STATION NA STREAM BED ELEV. Unknown ft

BORING NO. B-416 GROUNDWATER ELEV.:
STATION 64+85.22 First Encounter ** ft
OFFSET 4.54ft Left Upon Completion ** ft
GROUND SURFACE ELEV. 413.00 ft (ft) (/6") (tsf) (%) After ** Hrs. ** ft

CRYSTALLINE LIMESTONE -
See attached rock core log (continued) 292.00
End of Boring

292.00				
-125				
-130				
-135				
-140				



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

STRUCT. NO. 082-W310 CORING BARREL TYPE & SIZE NX
STATION NA Core Diameter 2 in
BORING NO. B-416 Core Top of Rock Elev. 302.00 ft
STATION 64+85.22 Begin Core Elev. 302.00 ft
OFFSET 4.54ft Left
GROUND SURFACE ELEV. 413.00 ft

DEPTH (ft)	CORRECTION (%)	RECOVERY (%)	ROQ (%)	CORE TIME (min/ft)	STRENGTH (tsf)
1	100	100	5		
2	96	96	3	763.0	
292.00					
-115					
-120					
-125					
-130					

Hard, buff white, finely crystalline, massive, fresh, excellent quality, LIMESTONE

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 not measured due to sample disturbance BBS, form 137 (Rev. 8-99)
** Not measured due to drilling methods used

Color pictures of the cores Yes
Cores will be stored for examination until 9-30-09
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

K:\projects\080460\080460.dwg 082-0322 & 0324 f:\jerry\9001\end\301\drawings\766\080460-master-consolidated\structural\082-0322\sheet\082-0324-76C76-SJ36-Borring-log-36.dgn



USER NAME =	DESIGNED - PjL	REVISED -
PLOT SCALE = 1/8" = 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 XXXVI
I-70E OVER I-55, CSX & KCS RAILROADS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	352
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: SHEET S-225 OF S-234 SHEETS STA. TO STA.