

BORING LOG: B-17 (4 of 4)

ROCK CORE LOG: B-17 CORE (1 of 1)

BORING LOG: RW-69 (1 of 1)



Illinois Department of Transportation
Division of Highways
Geotechnical, Inc.

SOIL BORING LOG

Page 4 of 4

Date 12/4/00

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC/JCB
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. 082-0324 SURFACE WATER ELEV. Unknown ft
Station NA Stream Bed Elev. Unknown ft
BORING NO. B-17 GROUNDWATER ELEV.:
Station 63+72.12 First Encounter ** ft
Offset 75.18ft Right Upon Completion ** ft
Ground Surface Elev. 415.60 ft After ** Hrs. ** ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
0				CRYSTALLINE LIMESTONE - See Rock Core Log (continued)
292.60				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 T208)
* Rimac not measured due to sample disturbance BBS, from 137 (Rev. 8-99)
** Not measured due to drilling methods used



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ROCK CORE LOG

Page 1 of 1

Date 12/4/00

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

STRUCT. NO. 082-0324 CORING BARREL TYPE & SIZE NX (2.985 in.)
Station NA
BORING NO. B-17 Core Core Diameter 2 in
Station 63+72.12 Top of Rock Elev. 302.10 ft
Offset 75.18ft Right Begin Core Elev. 302.10 ft
Ground Surface Elev. 415.60 ft

DEPTH (ft)	RECOVERY (%)	QUANTITY (%)	CORE DIAMETER (in)	STRENGTH (tsf)	DESCRIPTION
0	99	99	2.8		LIMESTONE, light gray to gray, finely to medium crystalline, fresh to slightly weathered, occasional horizontal fractures, with weathering along fractures, moderately hard, fossiliferous from 114' - 116'
118					Clay parting at 118'
297.10	96	96	2.8		LIMESTONE, light gray to gray, finely to medium crystalline, fresh to slightly weathered, occasional horizontal fractures, with weathering along fractures, moderately hard, becoming greenish-gray and shaly at 122.75'
120					Clay parting at 122'
292.60					End of Boring
-125					
-130					
-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)



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SOIL BORING LOG

Page 1 of 1

Date 4/3/02

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY KMP
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. 082-0324 SURFACE WATER ELEV. Unknown ft
Station NA Stream Bed Elev. Unknown ft
BORING NO. RW-69 GROUNDWATER ELEV.:
Station 63+69.1 First Encounter 403.9 ft
Offset 5ft Left Upon Completion ** ft
Ground Surface Elev. 414.9 ft After ** Hrs. ** ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	SPT (blows)	DESCRIPTION
0					Topsoil - 12 inches
413.9					Medium stiff, gray, SILTY CLAY (continued)
2				0	
3				20	Medium stiff, brown, SILTY LOAM
392.9				8	Medium dense, brown, SANDY LOAM
4				4	
7				7	
10				10	
118					Clay parting at 118'
297.10					LIMESTONE, light gray to gray, finely to medium crystalline, fresh to slightly weathered, occasional horizontal fractures, with weathering along fractures, moderately hard, becoming greenish-gray and shaly at 122.75'
120					Clay parting at 122'
292.60					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 T208)
* Rimac attempted, not measured due to sample disturbance BBS, from 137 (Rev. 8-99)
** Not measured due to drilling methods used

I:\projects\082-0322 & 0324\fig\082-0322\sheet\082-0322-0324-76C76-5J17-Boring-log-17.dgn



USER NAME =	DESIGNED - PJL	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 XVII
I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-206 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	333
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		