

BORING LOG: B-7 (2 of 3)



Illinois Department of Transportation
Division of Highways
Geotechnology, Inc.

SOIL BORING LOG

Page 2 of 3
Date 6/11/01

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 Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After ** Hrs.	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Description
082-0370 NA	B-7 79+35 9.00ft Right 384.00					Unknown Unknown Unknown ** ** **					Medium dense, gray, FINE GRAINED SAND (continued)
											Medium dense, gray, FINE GRAINED SAND (continued)
											Loose, gray, FINE GRAINED SAND
											Medium dense, brown, MEDIUM GRAINED SAND, with fine gravel
											GRAVEL, BOULDERS (GLACIAL OUTWASH)

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)

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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 Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After ** Hrs.	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Description
082-0370 NA	B-7 79+35 9.00ft Right 384.00					Unknown Unknown Unknown ** ** **					GRAVEL, BOULDERS (GLACIAL OUTWASH) (continued)
											CRYSTALLINE LIMESTONE - See Rock Core Log
											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
** Not measured due to drilling methods used
BBS, from 137 (Rev. 8-99)

ROCK CORE LOG: B-7 CORE (1 of 1)



Illinois Department of Transportation
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ROCK CORE LOG

Page 1 of 1
Date 6/11/01

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. Station	BORING NO. Station Offset Ground Surface Elev.	CORING BARREL TYPE & SIZE	D E P T H (ft)	C O R E (#)	R E C O V E R Y (%)	R Q D (%)	C O R E T I M E (min/ft)	S T R E N G T H (tsf)	Description
082-0370 NA	B-7 Core 79+35 9.00ft Right 384.00	NX (2.985 in.) 2 in 301.25 300.25							LIMESTONE, light gray to gray, moderately hard to hard, finely crystalline becoming very fine crystalline with depth, oolitic in places, thick bedded with oolitic partings in places, fresh to slightly weathered, occasional stylolites with weathering along fracture. (continued)
									LIMESTONE, gray, moderately hard, very finely crystalline to micritic, thick bedded, fresh to slightly weathered, horizontal fractures with weathering along fractures, trace pockets of green shaley clay
									LIMESTONE, gray, becoming dark gray at 88.75', moderately hard to hard, micritic, sandy, thick bedded to massive, fresh to slightly weathered
									Becoming shaley with thin beds of green to gray shale and clay 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. 8-99)

I:\projects\60046609\082-0322 & 0324\Drawings\76c76-master\consolidated\structural\082-0322\sheet\082-0322-0324-76C76-5.M06.BoringLog-06.dgn



USER NAME =	DESIGNED - PJL	REVISED -
PLOT SCALE = 0.2" = 1' / IN.	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2001	CHECKED - DDB	REVISED -
	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS VI
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	322
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: SHEET S-195 OF S-234 SHEETS STA. TO STA.