## BORING LOG: B-422 (4 of 4)

## ROCK CORE LOG: B-422 CORE (1 of 1)

Illinois Department of Transportation  Oldloo of Highways  Oldloo of Highways  Oldloo of Highways				SOIL BORIN	Page <u>4</u> of _			
OT TRANSPORTA  Division of Highways Georbechnology, Inc.	non			JOIL DOMIN	G LUG	Date	2/26/09	
ROUTE FAP 998	DESCRIPTION	N		Trilevel Interchang	e	LOGGED BY	DTC	
SECTION 82-1	LOC	CATION	East S	t. Louis, IL, SEC. 7, TW	P. 2N, RNG. 9W			
COUNTY St. Clair DRILL	NG METHOD			HSA, with MR	HAMMER TYPE	CME_75	/ 80%	
STRUCT. NO. 082-0325 Station NA		B U L C	M 0	Surface Wafer Elev. Stream Bed Elev.	Unknown ft Unknown ft			
BORING NO.   B-422		W S Qu /6") (tsf)	S T (%)	Groundwater Elev.; First Encounter Upon Completion After Hrs.	** ff  ** ff	: .		
Crystalline LIMESTONE - See rock core log (continued) 2 End of Boring	92.00							
	=							
	-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

Date   2/2   Date   2/2	P	Illinois Depa of Transpor	rtment	ROCK	CORE L	റദ			Po	ige <u>1</u>	
SECTION   82-1   LOCATION   East St. Louis, IL, SEC, 7, TWP, 2N, RNG, 9W		Division of Highways	idiloli	I COOK	OOKL				Do	nte <u>2</u>	2/:
COUNTY   SI. Clair   CORING METHOD   Wireline   STRUCT. NO.   082-0325   CORING BARREL TYPE & SIZE   NIX   D   C   C   T   C   C   T   C   C   C   T   C   C	ROUTE	FAP 998	DESCRIPTION	Trileve	I Interchange			LOG	GED B	·	
STRUCT. NO.   082-0325   CORING BARREL TYPE & SIZE   NX   D   C   Q   T	SECTION .	82-1	LOCATION	East St. Louis, IL,	SEC. 7, TWP. 2N	, RNG.	9W				
STRUCT. NO. 082-0325 CORING BARREL TYPE & SIZE NX D C C C T T Station NA Core Diameter 2 in P R E D C C C C T T CORING BORNEN NO. B-422 Core Top of Rock Elev. 302.00 ft P R E D E E R R C C C C C C C C C C C C C C C C	COUNTY	St. Clair CO	RING METHOD Wir	eline					0	CORE	Ī
Moderately hard, white, very finely crystalline, thick bedded, fresh, excellent quality,    Application	Station _ BORING NO. Station _ Offset _ Ground Su	NA  B-422 Core 65+21.58 6.88ft Left rface Elev. 413.00	Core Diameter Top of Rock El Begin Core Ele	ev. 302.00 v. 302.00	_ in _ ft	E P T H	0 R E (#)	C V E R Y (%)	D (%)	I M E (min/ft)	))
Moderately hard, gray, very finely crystalline, medium bedded, slightly weathered, excellent quality, crgitiaceous LIMESTONE  296.25  soft, gray, highly weathered, shale layer, 4 inches 295.75  soft, gray, highly weathered, shale seam, 1 inch 295.00  Moderately hard, white and olive, finely crystalline, massive bedded, slightly weathered, excellent quality, LIMESTONE  End of Boring  End of Boring  -128  -128  -128  -128						<u>5</u>				_	
Moderately hard, gray, very finely crystalline, medium bedded, slightly weathered, excellent quality, crgitiaceous LIMESTONE  296.25  soft, gray, highly weathered, shale layer, 4 inches 295.75  soft, gray, highly weathered, shale seam, 1 inch 295.00  Moderately hard, white and olive, finely crystalline, massive bedded, slightly weathered, excellent quality, LIMESTONE  End of Boring  End of Boring  -128  -128  -128  -128											
soft, gray, highly weathered, shale layer, 4 inches  soft, gray, highly weathered, shale seam, 1 inch  Moderately hard, white and olive, finely crystalline, massive bedded, slightly weathered, excellent quality, LIMESTONE				ed, slightly weatheres							
weathered, excellent quality, LIMESTONE	soft, gray,	highly weathered, shale :	seam, 1 inch	hedded, slightly	295.7	5					
End of Boring	weathered,	excellent quality, LIMESTO	NE	boddod, ongimy							
End of Boring					202.0						
	End of Bori	ng			292.0						t
									1		
						-125					-
						-					
								1			1

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)

**AECOM** 

USER NAME =	DESIGNED	~	PJL	REVISED	-	
	DRAWN	-	BRD	REVISED	-	ĺ
PLOT SCALE = 0:2 ':" / IN.	CHECKED	-	DDB	REVISED		ı
PLOT DATE = 6/27/2011	DATE	-	07-01-11	REVISED	-	l
						_

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

**BORING LOGS XXXIX** I-70E OVER I-55, CSX & KCS RAILROADS SHEET S-228 OF S-234 SHEETS STA.

COUNTY TOTAL SHEETS NO.
ST. CLAIR 399 355 SECTION 82-1-B-2 S.N. 082-0322 & S.N. 082-0324 | CONTRACT NO. 76C76 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT