

SB-110

SOIL BORING LOG										PAGE 4 of 4	
DATE 5/1-4/2009										LOGGED BY DR	
GSI JOB No. 08201											
ROUTE 70/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08											
SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3											
COUNTY St. Clair DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic											
STRUCT. NO. 082-W309											
Station: --											
BORING NO. SB-110											
Station: 50+82											
Offset: 56.5' Right											
Ground Surface Elev. 417.4											
DEPT H BLOW S UCS Qu MOIST										DEPT H BLOW S UCS Qu MOIST	
(ft) (/6") (tsf) (%)										(ft) (/6") (tsf) (%)	
-120.4', -120.5', -122.1', -122.5', -123.4', -123.7' & -124.9'											
Recovery=100.0% R.Q.D.=87.8%											
RUN 1											
291.9											
RUN 1 (-125.5' to -126.7') Recovery=100.0% R.Q.D.=0.0%											
290.9											
End Of Boring @ -126.5' Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10' Of 4" Casing Used 115' Of 3" Casing Used											
-130											
-135											
-140											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulge, (S)-Shear, (P)-Penetrometer, (ST)-Shear Tube Sample, (VS)-Vane Shear Test. The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D-1586). The Unit Dry Weight (pcf) is noted in italics above moist (%). NR-No Recovery.

SB-110 Run-1

ROCK CORE LOG										PAGE 1 of 2	
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SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3											
COUNTY St. Clair CORING METHOD Rotary Wash											
STRUCT. NO. 082-W309											
Station: --											
BORING NO. SB-110											
Station: 50+82											
Offset: 56.5' Right											
Ground Surface Elev. 417.4											
DEPT H CORING RUN RECOVERY R.Q.D. CORE D. STRENGTH										DEPT H CORING RUN RECOVERY R.Q.D. CORE D. STRENGTH	
(ft) (#) (%) (%) (min) (ft) (tsf)										(ft) (#) (%) (%) (min) (ft) (tsf)	
RUN 1 (-115.5' to -125.5') Mississippi System, Valmeyeran Series Limestone											
Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Tight vertical fracture from -115.5' to -118.0'. Horizontal fractures @ -116.2', -116.4', -117.2', -118.0', -118.1', -119.0', -119.3', -119.5', -120.4', -120.5', -122.1', -122.5', -123.4', -123.7' & -124.9'.											
301.9											
-120.5											
-125.5											

Color pictures of the cores Yes Cores will be stored for examination for XX The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

SB-110 Run-2

ROCK CORE LOG										PAGE 2 of 2	
DATE 5/1-4/2009										LOGGED BY DR	
GSI JOB No. 08201											
ROUTE 70/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08											
SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3											
COUNTY St. Clair CORING METHOD Rotary Wash											
STRUCT. NO. 082-W309											
Station: --											
BORING NO. SB-110											
Station: 50+82											
Offset: 56.5' Right											
Ground Surface Elev. 417.4											
DEPT H CORING RUN RECOVERY R.Q.D. CORE D. STRENGTH										DEPT H CORING RUN RECOVERY R.Q.D. CORE D. STRENGTH	
(ft) (#) (%) (%) (min) (ft) (tsf)										(ft) (#) (%) (%) (min) (ft) (tsf)	
RUN 2 (-125.5' to -126.7') Mississippi System, Valmeyeran Series Limestone											
Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Numerous horizontal fractures throughout.											
291.9											
-130.5											
-135.5											

Color pictures of the cores Yes Cores will be stored for examination for XX The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

\\FS-0044\HW\VAL-TD-TRANS\07\2202\20868-001\STRUCT\CAD\01 DESIGN\082W308 SHEET\082W308 CONN-10-010-SHT-MELDGN 5-11-2011 9:55:52 \\FS-0044\HW\VAL-TD-TRANS\07\2202\20868-001\STRUCT\CAD\01 DESIGN\082W308 SHEET\082W308 CONN-10-010-SHT-MELDGN 5-11-2011 9:55:52

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION RETAINING WALL	SOIL BORING LOGS 10 OF 20			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - TCG	REVISED -		SCALE:	SHEET NO. RA-15 OF RA-25	STA. 170+00.00 TO STA. 176+50.00	998	82-2-1HVB-1	ST. CLAIR	345	270
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS					PLOT SCALE = #SCALE#				SN 082-W308 CONTRACT NO. 76D05			
PLOT DATE = #DATE#					DATE - 05/13/11				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			