SB-119

SOIL BORING LOG

PAGE 4 of 4
DATE 5/8-12/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE I70/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. 082-0328
Station: --
BORING NO. SB-119
Station: 1682+57
Offset: 46.0' Left
Ground Surface Elev. 416.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After 24 Hrs. n/a

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Recovery=100.0% R.Q.D.=70.2%		RUN 1		
292.0				
End Of Boring @ -124.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10' Of 4"* Casing Used 3"* Casing Used	-125			
	-130			
	-135			
	-140			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-145			
-150			
-155			
-160			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SB-119 Run-1

ROCK CORE LOG

PAGE 1 of 1
DATE 5/8-12/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE I70/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. 082-0328
Station: --
BORING NO. SB-119
Station: 1682+57
Offset: 46.0' Left
Ground Surface Elev. 416.0

CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Core Diameter 2.0 in
Top of Rock Elev. 303.0
Begin Core Elev. 302.0

Description	DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
302.0		1	100.0	70.2	n/a	1004@ -114.0
RUN 1 (-114.0' to -124.0') Mississippian System,Valmeyeran Series Limestone Light gray & fine grained with horizontal bedding. Highly fractured to -115.8'. Horizontal fractures @ -116.2', -116.6', -117.1', -117.6', -118.2', -118.6' & -118.8'. Vertical fracture from -119.2' to -120.0'. Horizontal fractures @ -120.1', -121.5', -122.1', -122.3', -123.2' & -123.4'.	-119					
	-124					

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)

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION RETAINING WALL	SOIL BORING LOGS 18 OF 20	F.A.P RTE. 998	SECTION 82-2-1HVB-1	COUNTY ST. CLAIR	TOTAL SHEETS 345 / SHEET NO. 278
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - TCG	REVISED -			SN 082-W308		CONTRACT NO. 76D05	
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -		SCALE: SHEET NO. RA-23 OF RA-25 STA. 170+00.00 TO STA. 176+50.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -						

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5-11-2011, 10:00:21 NEWMANMD \\FS-0044\AM\VAULT,D-TRANS.07\2202\20868-001\STRUCT\CAD\01 DESIGN\082W308\SHEET\082W308-CONN-10-018-SHT-MS.DGN