SB-118

SOIL BORING LOG

PAGE 4 of 4
DATE 5/13-14/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE 170/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. 082-0329
Station: --
BORING NO. SB-118
Station: 1680+17
Offset: 38.0' Left
Ground Surface Elev. 417.2

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Recovery=100.0% R.Q.D.=79.9%	RUN 1		
292.5			
-125			
RUN 2 (-124.7' to -129.8') Mississippian System, Valmeyeran Series Limestone. Light gray & fine grained with horizontal bedding. Some chert replacement. Horizontal fractures @ -124.8', -125.4', -125.7', -126.2', -126.5', -126.7', -127.1', -127.6', -128.2', -128.3', -128.6', -129.1', -129.3' & -129.5'. Recovery=100.0% R.Q.D.=63.7% *287.4*	RUN 2		
-130			
End Of Boring @ -129.8' Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10' Of 4"* Casing Used 3"* Casing Used			
-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-118 Run-1

ROCK CORE LOG

PAGE 1 of 2
DATE 5/13-14/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE 170/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. 082-0329
Station: --
BORING NO. SB-118
Station: 1680+17
Offset: 38.0' Left
Ground Surface Elev. 417.2

CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Core Diameter 2.0 in
Top of Rock Elev. 302.7
Begin Core Elev. 302.7

DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
302.7 RUN 1 (-114.5' to -124.7') Mississippian System, Valmeyeran Series Limestone. Light gray & fine grained with horizontal bedding Horizontal fractures @ -114.2', -114.5', -115.3', -115.7', -116.4', -116.7', -116.9', -117.3', -117.8', -118.0' & -118.4'. ½" clay parting @ -118.8'. Horizontal fractures @ -120.7', -121.0', -121.8' & -123.4'. ½" clay parting @ -124.7'. Recovery=100.0% R.Q.D.=79.9%	1	100.0	79.9	n/a	1114@ -114.5
-119.5					
-124.5					

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-118 Run-2

ROCK CORE LOG

PAGE 2 of 2
DATE 5/13-14/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE 170/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. 082-0329
Station: --
BORING NO. SB-118
Station: 1680+17
Offset: 38.0' Left
Ground Surface Elev. 417.2

CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Core Diameter 2.0 in
Top of Rock Elev. 302.7
Begin Core Elev. 302.7

DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
292.5 RUN 2 (-124.7' to -129.8') Mississippian System, Valmeyeran Series Limestone. Light gray & fine grained with horizontal bedding. Some chert replacement. Horizontal fractures @ -124.8', -125.4', -125.7', -126.2', -126.5', -126.7', -127.1', -127.6', -128.2', -128.3', -128.6', -129.1', -129.3' & -129.5'.	2	100.0	63.7	n/a	1138@ -124.9'
-129.7					
-134.7					

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 IL 3 OVER TRRA & ST. CLAIR AVENUE	SOIL BORING LOGS 8 OF 18	F.A.P RTE. 998	SECTION 82-2-1HVB-1	COUNTY ST. CLAIR	TOTAL SHEETS 345 / SHEET NO. 245
		DRAWN - TCG	REVISED -			SN 082-0329		CONTRACT NO. 76D05	
	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -						
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -		SCALE: SHEET NO. SB-53 OF SB-63 STA. 1679+16.65 TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

I:\999999-CONN-99-001-MS.DGN, ..\082031B CONN-99-001-BD.DGN
5/11/2011, 9:58:10 NC.WANMO \\FS-0044\IAM\VAULT_D-TRANS.97\2202\20869-001\STRUCT\CAD\01 DESIGN\0828329\SHEET\0828329 CONN-18-013-SHT-MS.DGN