

SB-119

SB-119 Run-1

SOIL BORING LOG				PAGE 4 of 4			
ROUTE <u>I70/I13</u>				DESCRIPTION <u>I-70/Relocated IL 3 Interchange</u> IDOT Job No. <u>D-98-059-08</u>			
SECTION <u>82-2-1HVB-1</u>				LOCATION <u>I-70 & Illinois Route 3</u>			
COUNTY <u>St. Clair</u>				DRILLING METHOD <u>3.25" Hollow Stem Auger</u> HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>082-0328</u>				DATE <u>5/8-12/2009</u>			
Station: <u>--</u>				LOGGED BY <u>DR</u>			
BORING NO. <u>SB-119</u>				GSI JOB No. <u>08201</u>			
Station: <u>1682+57</u>				Surface Water Elev. <u>n/a</u>			
Offset: <u>46.0' Left</u>				Stream Bed Elev. <u>n/a</u>			
Ground Surface Elev. <u>416.0</u>				Groundwater Elevation:			
				First Encounter <u>n/a</u>			
				Upon Completion <u>n/a</u>			
				After 24 Hrs. <u>n/a</u>			
				RECOVERY (%)			
				R.Q.D. (%)			
				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			

ROCK CORE LOG				PAGE 1 of 1			
ROUTE <u>I70/I13</u>				DESCRIPTION <u>I-70/Relocated IL 3 Interchange</u> IDOT Job No. <u>D-98-059-08</u>			
SECTION <u>82-2-1HVB-1</u>				LOCATION <u>I-70 & Illinois Route 3</u>			
COUNTY <u>St. Clair</u>				CORING METHOD <u>Rotary Wash</u>			
STRUCT. NO. <u>082-0328</u>				CORING BARREL TYPE & SIZE <u>NX Double Swivel-10 ft</u>			
Station: <u>--</u>				Core Diameter <u>2.0 in</u>			
BORING NO. <u>SB-119</u>				Top of Rock Elev. <u>303.0</u>			
Station: <u>1682+57</u>				Begin Core Elev. <u>302.0</u>			
Offset: <u>46.0' Left</u>				Ground Surface Elev. <u>416.0</u>			
				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'.			

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

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)

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 5-11-2011, 10:02:19
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