

SB-10 Run-1

PAGE 1 of 2

Geo SPITCAS Inc.
Geotechnical, Environmental & Civil Engineering
 805 West 1st Street, Suite 204
 Naperville, Illinois 60563
 (630) 335-8888

ROCK CORE LOG

DATE 3/18-20/2009
 LOGGED BY DR
 GSI JOB No. 08201

ROUTE I-70 DESCRIPTION I-70 Tri-Level Connection IDOT Job No. D-98-059-08

SECTION 82-2-1HVB LOCATION I-70 Curved Approach Structures

COUNTY St. Clair CORING METHOD Rotary Wash

STRUCT. NO. S.N. 082-0318 CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
 Station: 127+00 to 140+74 Core Diameter 2.0 in
 Top of Rock Elev. 298.7
 BORING NO. SB-10 Begin Core Elev. 298.7
 Station: 140+74
 Offset: 43.0' Right
 Ground Surface Elev. 406.7

DEPTH (ft)	DIAMETER (#)	UNIT WEIGHT (%)	WATER CONTENT (%)	MOISTURE RATIO (%)	UNIAxIAL COMPRESSIVE STRENGTH (tsf)
298.7	1	100.0	33.5	n/a	1161@ -110.4
-113.0					
-118.0					

RUN 1 (-108.0' to -118.0')
 Mississippian System, Valmeyeran Series Limestone
 Light gray & fine grained with horizontal bedding, & some chert replacement. Numerous horizontal fractures throughout.

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

SB-10 Run-2

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ROUTE I-70 DESCRIPTION I-70 Tri-Level Connection IDOT Job No. D-98-059-08

SECTION 82-2-1HVB LOCATION I-70 Curved Approach Structures

COUNTY St. Clair CORING METHOD Rotary Wash

STRUCT. NO. S.N. 082-0318 CORING BARREL TYPE & SIZE NX Double Swivel-5 ft
 Station: 127+00 to 140+74 Core Diameter 2.0 in
 Top of Rock Elev. 298.7
 BORING NO. SB-10 Begin Core Elev. 298.7
 Station: 140+74
 Offset: 43.0' Right
 Ground Surface Elev. 406.7

DEPTH (ft)	DIAMETER (#)	UNIT WEIGHT (%)	WATER CONTENT (%)	MOISTURE RATIO (%)	UNIAxIAL COMPRESSIVE STRENGTH (tsf)
288.7	2	100.0	52.0	n/a	1079@ -125.7
-123.0					
-128.0					

RUN 2 (-118.0' to -123.0')
 Mississippian System, Valmeyeran Series Limestone
 Light gray & fine grained with horizontal bedding, & some chert replacement. Numerous horizontal fractures throughout, with some thin clay partings.

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

..0820318-CONN-05-010-MS.DGN, ..0820318-CONN-05-010-MS.DGN, ..0820318-CONN-95-001-BOLDEN
 6-02-2010, 15:10:39 BONDHULLD \\FS-0844\AK\VAULT\DRAWINGS\DESIGN\0820318\ASHEET\0820318-CONN-05-020-SHT-MS.DGN

