

SB-06 Run-2

PAGE 2 of 2

DATE 41-22009

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-IHVB 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

BORING NO. SB-06 Top of Rock Elev. 299.7

Station: 135+64 Begin Core Elev. 298.6

Offset: 43.0' Right

Ground Surface Elev. 411.1

D	C	R	R	C	S
E	O	E	O	E	T
P	R	C	Q	R	R
T	E	O	.	E	E
H	R	V	D	I	N
U	R	E	.	M	G
N	Y	.	(min)	E	T
			(ft)	H	S
(ft)	(#)	(%)	(%)	(ft)	(tsf)

RUN 2 (-122.5' to -127.5') 288.6

Mississippi System, Valmeyeran Series Limestone

Light gray with horizontal bedding. Fine grained with numerous horizontal fractures throughout & some thin clay partings becoming darker gray & weathered with some chert replacement. Numerous horizontal fractures throughout.

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-07

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DATE 324-252009

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

SECTION 82-2-IHVB LOCATION I-70 Curved Approach Structures

COUNTY St. Clair DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. S.N. 082-0318

Station: 127+00 to 140+74

BORING NO. SB-07

Station: 138+44

Offset: 43.0' Left

Ground Surface Elev. 412.0

D	B	U	M	D	B	U	M
E	L	C	O	E	L	C	O
P	O	S	I	P	O	S	I
T	W	S	S	T	W	S	S
H	S	Qu	T	H	S	Qu	T

Surface Water Elev. n/a

Stream Bed Elev. n/a

Groundwater Elevation: n/a

First Encounter n/a

Upon Completion n/a

After 24 Hrs. n/a

SANDY LOAM-gray-very loose (A-2) 391.5

Miscellaneous Sand, Cinders & Brick-very loose to medium dense (Fill) 389.0

Clay seams from -6.0' to -7.5'. 404.0

SILTY CLAY-very loose (A-4) 381.5

SAND-gray-medium dense (A-3) 379.0

SANDY LOAM-gray-very loose (A-2) 376.5

SAND-brown-medium dense (A-3) 395.0

SANDY LOAM-gray-very loose (A-2)

SAND & GRAVEL-brown & gray-medium dense to dense (A-1) 336.5

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-07

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STRUCT. NO. S.N. 082-0318

Station: 127+00 to 140+74

BORING NO. SB-07

Station: 138+44

Offset: 43.0' Left

Ground Surface Elev. 412.0

D	B	U	M	D	B	U	M
E	L	C	O	E	L	C	O
P	O	S	I	P	O	S	I
T	W	S	S	T	W	S	S
H	S	Qu	T	H	S	Qu	T

Surface Water Elev. n/a

Stream Bed Elev. n/a

Groundwater Elevation: n/a

First Encounter n/a

Upon Completion n/a

After 24 Hrs. n/a

SAND-gray-medium dense to dense (A-3) 412.0

SAND-gray-medium dense to dense (A-3) 336.5

SAND & GRAVEL-brown & gray-medium dense to dense (A-1)

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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