

SB-127

SB-127 Run-1

SB-127 Run-2

SOIL BORING LOG											
PAGE 4 of 4					DATE 4/23-19/2009						
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. 082-0328						
STATION: --					BORING NO. SB-127						
STATION: 1683+45					STATION: 1683+45						
OFFSET: 0.5' Left					OFFSET: 0.5' Left						
GROUND SURFACE ELEV. 416.5					GROUND SURFACE ELEV. 416.5						
DEPTH	BLOW	UCS	MOIST	DEPTH	BLOW	UCS	MOIST	DEPTH	BLOW	UCS	MOIST
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Surface Water Elev. n/a				Stream Bed Elev. n/a				Groundwater Elevation:			
First Encounter n/a				Upon Completion n/a				After 24 Hrs. 397.6			
Recovery=100.0% R.Q.D.=98.0%											
RUN 1											
291.5-125											
RUN 2 (-125.0' to -129.5') Mississippi System, Valmeyeran Series Limestone Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Highly weathered from 125.6' to 127.0'. Horizontal fractures @ -128.1', -128.6', -128.7', -128.9' & -129.1'. Recovery=100.0% R.Q.D.=46.7%											
287.0											
End Of Boring @ -129.5' Hollow Stem Augers To -12.0' Rotary Drilling To Completion CME Automatic Hammer 12' Of 4" Casing Used 115' Of 3" Casing Used											
-130											
-135											
-140											
-145											
-150											
-155											
-160											

ROCK CORE LOG											
PAGE 1 of 2					DATE 4/23-19/2009						
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. 082-0328						
STATION: --					BORING NO. SB-127						
STATION: 1683+45					STATION: 1683+45						
OFFSET: 0.5' Left					OFFSET: 0.5' Left						
GROUND SURFACE ELEV. 416.5					GROUND SURFACE ELEV. 416.5						
DEPTH	CORRE	RECO	R.Q.	COR	STRE	DEPTH	CORRE	RECO	R.Q.	COR	STRE
(ft)	(#)	(%)	(%)	(min)	(ft)	(ft)	(#)	(%)	(%)	(min)	(ft)
CORING BARREL TYPE & SIZE NX Double Swivel-10 ft											
CORE DIAMETER 2.0 in											
TOP OF ROCK ELEV. 302.0											
BEGIN CORE ELEV. 301.5											
RUN 1 (-115.0' to -125.0') Mississippi System, Valmeyeran Series Limestone Light gray to gray & fine grained with horizontal bedding. Horizontal fractures @ -115.7', -116.2', -116.4', -116.8', -117.2', -118.1', -118.8', -119.5', -120.0', -120.3', -120.9', -121.9', -122.6', -123.0', -123.6' & -124.2'.											
301.5											
-115.0											
-120											
-125											

ROCK CORE LOG											
PAGE 2 of 2					DATE 4/23-19/2009						
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. 082-0328						
STATION: --					BORING NO. SB-127						
STATION: 1683+45					STATION: 1683+45						
OFFSET: 0.5' Left					OFFSET: 0.5' Left						
GROUND SURFACE ELEV. 416.5					GROUND SURFACE ELEV. 416.5						
DEPTH	CORRE	RECO	R.Q.	COR	STRE	DEPTH	CORRE	RECO	R.Q.	COR	STRE
(ft)	(#)	(%)	(%)	(min)	(ft)	(ft)	(#)	(%)	(%)	(min)	(ft)
CORING BARREL TYPE & SIZE NX Double Swivel-10 ft											
CORE DIAMETER 2.0 in											
TOP OF ROCK ELEV. 302.0											
BEGIN CORE ELEV. 301.5											
RUN 2 (-125.0' to -129.5') Mississippi System, Valmeyeran Series Limestone Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Highly weathered from -125.6' to -127.0'. Horizontal fractures @ -128.1', -128.6', -128.7', -128.9' & -129.1'.											
291.5											
-125.0											
-130											
-135											

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)

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)

5-11-2011 9:55:06 \\S:\08201\CONTRACT\DESIGN\0820328\0820328-CONV-10-021-SHT-MS-DDN
 0820328-CONV-10-021-SHT-MS-DDN
 5-11-2011 9:55:06 \\S:\08201\CONTRACT\DESIGN\0820328\0820328-CONV-10-021-SHT-MS-DDN