SB-120A Run-5&6

ROCK CORE LOG

PAGE 3 of 4
DATE 9/24/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE I70/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. --
Station: --
CORING BARREL TYPE & SIZE NX Double Swivel-5 ft
Core Diameter 2.0 in
BORING NO. SB-120A
Station: 1683+52
Top of Rock Elev. 301.6
Offset: 46.6' Left
Begin Core Elev. 301.6
Ground Surface Elev. 416.1

	DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
RUN 5 (-134.5' to -139.5') Mississippian System, Valmeyeran Series Limestone Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Slightly porous & fossiliferous. Horizontal fractures @ -135.4', -136.1', -136.6', -137.6', -138.2', -138.9' & -139.2'.	281.6 -139.5	5	100.0	55.0	n/a	1120@ -134.5'
RUN 6 (-139.5' to -144.5') Mississippian System, Valmeyeran Series Limestone Light gray to gray with horizontal bedding. Fine grained with some chert replacement. Slightly porous & fossiliferous with some weathering. Horizontal fractures @ -141.0' & -141.3'. Highly fractured from-141.6' to -142.7'. Horizontal fractures @ -143.5' & -144.2'.	276.6 -144.5	6	100.0	74.0	n/a	890@ -139.5'

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-120A Run-7

ROCK CORE LOG

PAGE 4 of 4
DATE 9/24/2009
LOGGED BY DR
GSI JOB No. 08201

ROUTE I70/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. --
Station: --
CORING BARREL TYPE & SIZE NX Double Swivel-5 ft
Core Diameter 2.0 in
BORING NO. SB-120A
Station: 1683+52
Top of Rock Elev. 301.6
Offset: 46.6' Left
Begin Core Elev. 301.6
Ground Surface Elev. 416.1

	DEPTH (ft)	CORE RUN (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
RUN 7 (-144.5' to -149.5') Mississippian System, Valmeyeran Series Limestone Weathered & gray with horizontal bedding. Slightly porous & fossiliferous with some chert replacement. Fine grained with some chert replacement. Horizontal fractures @ -145.0', -145.1', -145.7', -146.4', -147.2', -148.0' & -148.3'. Large chert nodule from -148.3' to -148.7'.	271.6 -149.5	7	89.5	77.0	n/a	562@ -144.6'

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)