

# SB-125

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SOIL BORING LOG										PAGE 1 of 4	
ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08										DATE 5/5/2009	
SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3										LOGGED BY DR	
COUNTY St. Clair DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic										GSI JOB No. 08201	
STRUCT. NO. 082-0329										Surface Water Elev. <i>n/a</i>	
Station: --										Stream Bed Elev. <i>n/a</i>	
BORING NO. SB-125										Groundwater Elevation:	
Station: 1680+85										First Encounter <i>n/a</i>	
Offset: 46.5' Right										Upon Completion <i>n/a</i> ▽	
Ground Surface Elev. 417.2										After 24 Hrs. 395.2 ▽	
DEPTH	BLOW	UCS	MOIST	Surface Water Elev.		DEPTH	BLOW	UCS	MOIST	Stream Bed Elev.	
(ft)	(/6")	(tsf)	(%)	<i>n/a</i>		(ft)	(/6")	(tsf)	(%)	<i>n/a</i>	
CONCRETE 416.2											
CINDERS-block-loose (Fill)											
SAND-brown-medium dense to dense (A-3) 411.7											
SANDY LOAM-brown-loose to medium dense (A-2) 406.7											
SAND-brown-medium dense (A-3) 404.2											
SANDY LOAM-brown-loose (A-2) 401.7											
SAND-brown-medium dense to dense (A-3) 379.2											
SANDY LOAM-brown-medium dense (A-2)											

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Station: --										Stream Bed Elev. <i>n/a</i>	
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DEPTH	BLOW	UCS	MOIST	Surface Water Elev.		DEPTH	BLOW	UCS	MOIST	Stream Bed Elev.	
(ft)	(/6")	(tsf)	(%)	<i>n/a</i>		(ft)	(/6")	(tsf)	(%)	<i>n/a</i>	
SANDY LOAM-brown-medium dense (A-2)											
SAND-gray-medium dense (A-3)											
SAND with Gravel-brown & gray-medium dense (A-1-b) 349.2											
SAND with Gravel-gray-medium dense (A-1-b) 346.7											
SAND-gray-dense (A-3) 361.7											
SAND-gray-medium dense (A-3) 341.7											
SAND with Gravel-brown & gray-medium dense (A-1-b)											

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Station: --										Stream Bed Elev. <i>n/a</i>	
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(ft)	(/6")	(tsf)	(%)	<i>n/a</i>		(ft)	(/6")	(tsf)	(%)	<i>n/a</i>	
SAND with Gravel (A-1-b) 336.7											
SAND-brown & gray-medium dense (A-3)											
SAND-brown & gray-medium dense to very dense (A-3) 331.7											
SAND with Gravel-brown & gray-medium dense (A-1-b) 329.2											
SAND-brown & gray-medium dense to very dense (A-3)											
SAND-brown & gray-medium dense to very dense (A-3) 302.2-115											
Drillers Observation: Apparent Bedrock. 301.7											
RUN 1 (-115.5' to -120.5') Cobbles from -115.5' to -115.8', Mississippian System, Valmeyeran Series Limestone											
Light gray to gray & fine grained with horizontal bedding. Horizontal fractures @ -116.4', -116.7', -117.2', -117.7', -118.1', -119.6' & -119.7'. 1/2" clay parting @ -120.5'.											

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

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

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

11-2211, 9-2450  
 FILE NAME =  
 USER NAME = #USER#  
 DESIGNED -  
 DRAWN - TCG  
 CHECKED - JLR  
 DATE - 05/13/11  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 IL 3 OVER I-70  
 SOIL BORING LOGS  
 12 OF 21  
 SCALE:  
 SHEET NO. SA-48 OF SA-57  
 STA. 1683+43.17 TO STA.  
 F.A.P. RTE. 998  
 SECTION 82-2-1HVB-1  
 COUNTY ST. CLAIR  
 TOTAL SHEETS 345  
 SHEET NO. 183  
 SN 082-0328  
 CONTRACT NO. 76D05  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

<b>TENG</b> TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - DRAWN - TCG CHECKED - JLR DATE - 05/13/11	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL 3 OVER I-70	SOIL BORING LOGS 12 OF 21	SCALE: SHEET NO. SA-48 OF SA-57 STA. 1683+43.17 TO STA.	F.A.P. RTE. 998 SECTION 82-2-1HVB-1 COUNTY ST. CLAIR TOTAL SHEETS 345 SHEET NO. 183
	PLOT SCALE = #SCALE# PLOT DATE = #DATE#	CHECKED - JLR DATE - 05/13/11	REVISED - REVISED -	CONTRACT NO. 76D05 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				