

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY BEC  
 SECTION 82-1 LOCATION East St. Louis, IL, SEC. 12, TWP. 2N, RNG. 10W  
 COUNTY St. Clair DRILLING METHOD HSA and Mud Rotary DRILL RIG/  
 HAMMER EFFICIENCY Automatic Hammer

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STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BL (ft)	UCS (tsf)	MOS (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After Hrs.	DEPTH (ft)	BL (ft)	UCS (tsf)	MOS (%)	
082-0312	NA	B-1	192+68.01	1ft Right	419.6					Unknown	Unknown	Unknown	**	**	**					
Black, CLAY with brick/concrete fragments (FILL)																				
Loose to medium dense, brown, MEDIUM GRAINED SAND with rounded quartz @ 21'-22.5'																				
FINE GRAINED SAND with gravel/crushed limestone (FILL)																				
Soft, gray, SILTY CLAY to SANDY LOAM with layers and seams of silt																				
Medium dense, brown, FINE GRAINED SAND with laminations of black organic material @ 33'-35'																				
Very loose, green, FINE GRAINED SAND with laminations of brown, fine sand																				
Loose, brown, FINE GRAINED SAND Start mud rotary drilling @ 15'																				
Stiff, gray, SILTY LOAM																				
Medium dense, brown, FINE GRAINED SAND																				
Medium dense to dense, brown, MEDIUM GRAINED SAND with rounded quartz																				

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082-0312	NA	B-1	192+68.01	1ft Right	419.6					Unknown	Unknown	Unknown	**	**	**					
Medium dense to dense, brown, MEDIUM GRAINED SAND with rounded quartz (continued)																				
Medium dense to very dense, brown, FINE GRAINED SAND with rare rounded quartz @ 53'-60' and laminations of black organic material @ 58'-60' (continued)																				
Medium dense to very dense, brown, FINE GRAINED SAND with rare rounded quartz @ 53'-60' and laminations of black organic material @ 58'-60'																				
Loose to medium dense, brown, MEDIUM GRAINED SAND with rounded quartz @ 73.5'-75' and coarse sand @ 83.5'-85' (continued)																				

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BL (ft)	UCS (tsf)	MOS (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After Hrs.	DEPTH (ft)	BL (ft)	UCS (tsf)	MOS (%)	
082-0312	NA	B-1	192+68.01	1ft Right	419.6					Unknown	Unknown	Unknown	**	**	**					
Loose to medium dense, brown, MEDIUM GRAINED SAND with rounded quartz @ 73.5'-75' and coarse sand @ 83.5'-85' (continued)																				
Dense, brown, COARSE GRAINED SAND with trace gravel																				
Loose to medium dense, brown, MEDIUM GRAINED SAND																				
GRAVEL BOULDERS (GLACIAL OUTWASH)																				
CRYSTALLINE LIMESTONE - See Rock Core Log																				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 \* Rimac attempted, not measured due to sample disturbance  
 \*\* Not measured due to drilling methods used  
 BBS, from 137 (Rev. 8-99)

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 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 \* Rimac attempted, not measured due to sample disturbance  
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 BBS, from 137 (Rev. 8-99)

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 BBS, from 137 (Rev. 8-99)



BORING LOGS 1  
 INTERSTATE 70 OVER 1ST STREET  
 FAI-70  
 SECTION 82-1-2HB  
 ST. CLAIR COUNTY  
 STA. 192+97.45  
 STRUCTURE NO. 082-0312 (EB)  
 STRUCTURE NO. 082-0313 (WB)