

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE FAP 690 (IL 160) DESCRIPTION Bridge Replacement over Branch Lake Creek LOGGED BY KEG
SECTION 481B LOCATION Approx. 2.2 miles S of Trenton
COUNTY Clinton DRILLING METHOD CME 550 w/HSA HAMMER TYPE Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	- ft	E	L	C	O
	P	O	S	I	Stream Bed Elev.	P	O	S	I
	T	W	S		- ft	T	W	S	
BORING NO.	H	S	Qu	T	Groundwater Elev.:	H	S	Qu	T
Station					First Encounter				
Offset					Upon Completion				
Ground Surface Elev.	(ft)	(ft)	(tsf)	(%)	After - Hrs.	(ft)	(ft)	(tsf)	(%)
ASPHALT - 4 inches	465.0								
CRUSHED ROCK - 8 inches	464.2								
FILL: Brown, low plastic silty clay, trace sand (A-6)	2	0.5	25			4	4.3	16	
Becomes dark gray to brown						12	B		
	442.3								
CLAY: Grayish brown and olive gray, high plastic, trace sand and fine gravel (A-7)	1	1.2	20			5	2.2	10	
						7	S/10		
	439.8								
CLAYEY SHALE: Dark gray (continued)						17			
						46	2.3	16	
						60/3"	S/10		
Becomes gray						15			
	457.3					43	1.8	16	
						3	B		
FILL: Gray, brown, and dark brown, low plastic sandy clay, trace fine gravel (A-5)	1	0.3	16			23	0.5	16	
						2	S/10		
	454.8								
SANDY CLAY: Brown, low plastic (A-3)	1	0.1	22			100/6"	0.4	13	
						1	S/10		
Becomes grayish brown, trace to some fine gravel									
Shelby tube pushed from 15 to 17 feet - Recovery 90 percent (22x4 inches).						5.7	11		
Unconfined compression test performed with strength result shown in the UCS column. Dry density - 131.0 pounds per cubic foot.						6	3.3	14	
						10	B		
	452.3					37			
						10/4"		13	
						11	B		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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	T	W	S		- ft	T	W	S	
BORING NO.	H	S	Qu	T	Groundwater Elev.:	H	S	Qu	T
Station					First Encounter				
Offset					Upon Completion				
Ground Surface Elev.	(ft)	(ft)	(tsf)	(%)	After - Hrs.	(ft)	(ft)	(tsf)	(%)
CLAYEY SHALE: Dark gray (continued)									
Becomes less clayey									
	420.3					100/6"		6	
Boring terminated at 45.0 ft.									

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	P	O	S	I	Stream Bed Elev.	P	O	S	I
	T	W	S		- ft	T	W	S	
BORING NO.	H	S	Qu	T	Groundwater Elev.:	H	S	Qu	T
Station					First Encounter				
Offset					Upon Completion				
Ground Surface Elev.	(ft)	(ft)	(tsf)	(%)	After - Hrs.	(ft)	(ft)	(tsf)	(%)
ASPHALT - 4 inches	464.2								
CRUSHED ROCK - 8 inches	462.2								
FILL: Brown and grayish brown, low plastic silty clay, trace sand (A-6)	3	0.8	21			4	0.8	21	
						6	S/15		
Becomes dark gray						2			
						3	0.9	23	
	456.5					4	S/10		
FILL: Dark gray, low plastic silty clay, trace to some sand (A-7)	2	0.8	25			2	0.8	25	
						3	B		
Becomes grayish brown						1	0.8	22	
						2	B		
	454.5					3			
CLAY: Brown, high plastic, some sand, trace fine gravel (A-7) POSSIBLE FILL	1	0.4	20			39	0.6	15	
						2	S/15		
	448.0					100/5"	0.6	16	
						7	S/15		
						8	B		
SANDY CLAY: Grayish brown, low plastic, trace fine gravel (A-6)	4					3	3.3	13	
						8	B		
	445.5					3	1.6	13	
						6	B		

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Offset					Upon Completion				
Ground Surface Elev.	(ft)	(ft)	(tsf)	(%)	After - Hrs.	(ft)	(ft)	(tsf)	(%)
CLAYEY SHALE: Gray (continued)									
Becomes less clayey									
	420.0					50/5"		6	
Boring terminated at 45.0 ft.									

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DESIGNED	KAK
CHECKED	EML
DRAWN	KAK
CHECKED	EML



SHEET NO. 25 25 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	690	481B	CLINTON	46	42
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76C21					

BORING LOGS
STRUCTURE NO. 014-0079