

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 3

Date 02/29/08

ROUTE FAP Route 10 DESCRIPTION IL Route 267 Bridge Replacement over Taylor Creek

SECTION 410BR-1 LOCATION Rockbridge Township, SEC. 28, TWP. 10N, RNG. 10W

COUNTY Greene DRILLING METHOD CME 550 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T U R E
Existing 031-0018 488.0									
					488.0				
FILL: Brown, high plastic clay, some gravel (A-7) and Crushed Rock	3								
	18	0.4	25						
FILL: Brown, high plastic clay, some sand (A-7)	42	B							
	505.5								
Grades to trace organics	2								
	2	1.4	19						
No recovery	3	B							
	10								
SANDY CLAY: Brown, low plastic, trace gravel (A-6)	12								
	13	0.5	24						
CLAY: Brown, high plastic, some sand, trace gravel (A-7)	9	B							
	495.5								
SANDY CLAY: Brown, low plastic, trace gravel (A-6)	3								
	6	4.0	15						
CLAY: Brown, high plastic, some sand, trace gravel (A-7)	10	B							
	493.0								
SANDY CLAY: Brown, low plastic, trace gravel (A-6)	7								
	9	0.6	23						
Becomes grayish brown	13	B							
	490.5								
Grades to trace sand and gravel	4								
	9	3.1	19						
	13	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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Existing 031-0018									
CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued)					447.5				
					447.5				
SAND: Brown, fine to medium (A-3)									
Mud rotary mixture/water added to augers at 65 feet.									
Driller encountered broken rock at approximately 46 feet.									
Driller encountered broken rock at approximately 52 feet.									
No recovery									
SILT SAND: Brown, fine (A-2)					436.5				
					436.5				
SILT CLAY: Grayish brown, low plastic, trace sand (A-6)									
Grades to trace sand and gravel									

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Existing 031-0018									
SILT CLAY: Grayish brown, low plastic, trace sand (A-6) (continued)					408.0				
					408.0				
Refusal with tri-cone bit on shale at 100.5 feet.									
SAND: Brown, fine to medium (A-3)					421.5				
					421.5				
SILT SAND: Brown, fine (A-2)									
SANDY CLAY: Brown, low plastic, some gravel (A-4)					411.5				
					411.5				

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JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: K-E-G DRAWN: SJS
CHECKED: DCD CHECKED: DCD

SOIL BORINGS (3 OF 3)
ILLINOIS 267 OVER
TAYLOR CREEK
STRUCTURE NO. 031-0043

SHEET 19 OF 19	F.A.P. RTE. 10	SECTION 410BR-1	COUNTY GREENE	TOTAL SHEETS 37	SHEET NO. 31
	STA. 85+20.50		CONTRACT NO. 76B58		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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