



SOIL BORING LOG

Date 04/09/12

ROUTE FAP 312 DESCRIPTION Waterloo Bypass - Shared Use Culvert Boring LOGGED BY SCI (TT)
SECTION 68-WRS-1 LOCATION NW 1/4 of the NE 1/4, SEC. 36, TWP. 2S, RNG. 10W
COUNTY Monroe DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After -- Hrs.	D E P T H	B L O W S	U C S Qu	M O I S T
						(ft)	(/6")	(tsf)	(%)							(ft)	(/6")	(tsf)	(%)
067-2427	2019+30	B-205	2018+93	48 ft LT	619.4 ft					N/A ft	N/A ft		601.9 ft	594.9 ft	Not Obs. ft				
CLAY: Brown and gray [A-7]																			
						2		1.7 B	27	CLAY: Gray, with fine to medium sand and fine sand layers [A-7]						4	4.3 B	18	
SILTY CLAY: Gray and brown, with iron stains, trace sand [A-6]																			
						1		0.5 B	29	SANDY SILT: Gray, with fine sand layers [A-4]						7	1.5 S/20	17	
CLAY: Gray, with iron stains, trace sand [A-7]																			
						1		1.6 B	22	CLAY: Gray, with sand [A-7]						4	2.5 S/20	19	
Trace gravel																			
								1.0 S/20	21	Boring terminated at 30.0 ft.						2	1.9 B	19	
SANDY CLAY: Gray, with iron stains, trace gravel [A-6]																			
						2		1.2 B	18	Boring grouted to 30.0 ft.									
CLAY: Gray, with iron stains, trace sand [A-7]																			
						1		0.8 S/20	20										
SILTY CLAY: Gray, with iron stains and sand, trace organics [A-6]																			
						1		2.3 B	23										
SILT: Brown [A-4]																			
						5		1.1 S/20	24										
With sand and gravel																			

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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						(ft)	(/6")	(tsf)	(%)							(ft)	(/6")	(tsf)	(%)
067-2427	2019+30	B-206	2019+20	56 ft LT	619.2 ft					N/A ft	N/A ft		Not Obs. ft	Not Obs. ft	Not Obs. ft				
SILTY CLAY: Brownish gray, with iron stains, trace sand, organics and iron nodules [A-6]																			
						1		0.8 B	23	CLAY: Gray and brown, trace sand and iron nodules [A-7] (continued)						5	1.7 B	18	
Becomes gray, trace gravel																			
						2		1.0 B	26	Becomes gray, trace gravel						6	1.9 B	18	
CLAY: Gray and brown, trace sand and iron nodules [A-7]																			
						1		2.2 S/20	21	Becomes gray, trace gravel						2	1.3 B	18	
Becomes gray, with iron stains																			
						2		3.1 B	20	Becomes gray, with iron stains						3	1.6 B	20	
Boring terminated at 30.0 ft.																			
						2		2.9 B	19	Boring grouted to 30.0 ft.									
CLAY: Gray and brown, trace sand and iron nodules [A-7]																			
						3		3.2 B	20	CLAY: Gray and brown, trace sand and iron nodules [A-7]									
Becomes brown and gray, with sand																			
						7		5.7 B	16	CLAY: Gray and brown, trace sand and iron nodules [A-7]									
Becomes brown and gray, with sand																			
						4		5.1 S/20	21	CLAY: Gray and brown, trace sand and iron nodules [A-7]									

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