



SOIL BORING LOG

Date 04/03/12

ROUTE FAP 312 DESCRIPTION Waterloo Bypass - Shared Use Culvert Boring LOGGED BY SCI (HHF)
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 H	B L O W S W	U C S Qu	M O I S T T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After -- Hrs.	D E P T H H	B L O W S W	U C S Qu	M O I S T T
						(ft)	(/6")	(tsf)	(%)							(ft)	(/6")	(tsf)	(%)
067-2427	2019+30	B-203	2019+33	9 ft RT	625.9					N/A	N/A		604.9 ft	608.9 ft	Not Obs.				
ASPHALT - 12 inches										CLAY: Brown and gray, with iron stains, trace sand [A-7] (continued) Trace sand and gravel									
FILL: Brownish gray, silty clay, with crushed rock, trace sand and cinders [A-6]																			
3										2									
8										4									
10										4									
2										2									
4										4									
-6										-26									
CLAY: Brownish gray, with iron stains [A-7-8]										SILTY CLAY: Gray, trace sand [A-6]									
1										2									
2										3									
3										5									
SILTY CLAY: Brownish gray, with iron stains, trace sand [A-6]										WOH									
1										3									
2										3									
-10										-30									
CLAY: Brown and gray, with iron stains, trace sand [A-7]										CLAY: Gray, trace sand, gravel, and organics [A-7]									
2										1									
3										3									
5										3									
Trace gravel										Trace iron nodules									
2										3									
3										5									
-16										-35									
Trace iron nodules										Trace wood fragments									
3										WOH									
4										WOH									
6										WOH									
-20										-40									

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-203	2019+33	9 ft RT	625.9					N/A	N/A		604.9 ft	608.9 ft	Not Obs.				
SILTY CLAY: Gray, with sand, trace gravel, trace coal [A-6]										SANDSTONE: Brown and tan, fine-grained									
1.4										50/3"									
S/10.2										18									
WOR										WOR									
WOR										WOR									
-45										-50									
Auger refusal at 45.5 ft.										Boring grouted to 45.8 ft.									
SAMPLER REFUSAL AT 45.8 FT.																			
-55										-60									

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