



SOIL BORING LOG

Date 07/05/11

ROUTE FAP 809 DESCRIPTION Box Culvert - IL 158 over Unnamed Creek LOGGED BY KEG
SECTION 135-N LOCATION IL 158 over Unnamed Creek
COUNTY St. Clair DRILLING METHOD CME 55 w/HSA HAMMER TYPE Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	D	B	U	M	
082-0400 (EX), 082-2045 (PR)	51+22	B-1	50+97.25	49 ft L	486.4 ft	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft		(ft)	(/6")	(tsf)	(%)	
Topsoil, grass										465.9											
FILL: Brown silty clay, trace fine sand, roots, and organics (A-6)						485.4	1		24									WOH			33
FILL: Brown silt, trace fine sand, roots, and organics (A-4)						483.4	2		25									WOH			
SILT: Gray (A-4)						480.9	1		22									WOH	0.3		35
Trace fine sand and organics							2														
SAND: Gray, fine to coarse, trace gravel, interbedded with gray silt (A-3)						458.4	1		30									WOH			20
Auger refusal at 31.0 ft.						455.0		2.0		28											
SILTSTONE: Gray, trace gravel						453.9		0.8													10
Boring terminated at 32.5 ft.																					
CLAYEY SAND: Grayish brown, fine to medium (A-2)						470.4	1		26												
Becomes brown, with gray silt, organic odor							2														

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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082-0400 (EX), 082-2045 (PR)	51+22	B-2	50+86.25	62 ft R	485.9 ft	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft		(ft)	(/6")	(tsf)	(%)	
Topsoil, grass										484.9											
FILL: Grayish brown silt (A-4) and silty clay (A-6), trace sand, crushed rock, and roots						482.9	1	1.0	25												
SILT: Gray and brown, trace fine sand and iron stains (A-4)							2		25												
Becomes gray							1		36												
SILTY CLAY: Gray, trace fine sand (A-6)						477.9	1	0.2	36												
Auger refusal at 19.0 ft.						472.9		0.7	28												
CLAY: Gray and brown, trace sand and gravel (A-7)						470.4	1	0.9	16												
SILTY SHALE: Brown, weathered						467.9	8		18												
SHALE: Gray, weathered						466.7	14		11												
Auger refusal at 19.0 ft.																					
Boring terminated at 19.25 ft.																					

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