



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/10/11

ROUTE FAP 327 DESCRIPTION US 50 over Unnamed Stream LOGGED BY JAS (TSI)

SECTION 20BR LOCATION SEC. 18, TWP. 2N, RNG. 1W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic SPT

STRUCT. NO. 014-0410 (E) / 014-2024 (P) Station 833+85	D E P T H	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter 444.6 ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H	B L O W S	U C S Qu	M O I S T (%)
-----------------------------------------------------------	-----------------------	-----------------------	-------------------	------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------	-----------------------	-------------------	------------------------------

Asphalt Concrete (9"), Portland Cement Concrete (4"), & Crushed Limestone Base (2") 460.8					Gray (Hard, Moist) Silty LOAM (Till) (continued)				
Dark Gray (Soft, Moist) Silty Clay LOAM (Fill) A-6(18) See Classification @ 1.5 ft 458.6	1	0.36	28		Trace Gravel	10		5.60	11
Dark Gray (Medium Stiff, Moist) Silty CLAY (Possible Fill) 456.6	2	1.56	27		Gray, Shale Pieces	50/5"		5.24	11
Dark Gray (Medium Stiff, Moist) Silty CLAY (Loess) 454.1	3	1.54	22		Dark Gray (Hard, Moist) Silty CLAY Trace Gravel Trace Limestone Pieces	25		6.20	11
Gray / Gray to Brown (Medium Stiff, Moist) Silty CLAY (Alluvial) 451.6	2	1.27	23		Dark Gray (Hard, Moist) Silty LOAM Trace Gravel	19		9.77	10
Gray/Brown (Medium Stiff, Moist) CLAY (Alluvial) A-7-6(22) See Classification @ 11.5 ft 446.6	3	1.54	23		Dark Gray (Hard, Moist) Silty CLAY Limestone, Shale Pieces Sample Too Small Too Test	50/5"		--	19
Brown (Medium Stiff) Clay LOAM (Alluvial) A-6(9) See Classification @ 16.5 ft 444.6	2	0.50	18		Dark Gray (Hard, Moist) Silty LOAM	17		3.69	12
Gray (Hard, Moist) Silty LOAM (Till) 444.6	27				Gravel	50/5"		3.69	12
	31	2.32	11						
	50/4"								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/10/11

ROUTE FAP 327 DESCRIPTION US 50 over Unnamed Stream LOGGED BY JAS (TSI)

SECTION 20BR LOCATION SEC. 18, TWP. 2N, RNG. 1W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic SPT

STRUCT. NO. 014-0410 (E) / 014-2024 (P) Station 833+85	D E P T H	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter 444.6 ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H	B L O W S	U C S Qu	M O I S T (%)
-----------------------------------------------------------	-----------------------	-----------------------	-------------------	------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------	-----------------------	-------------------	------------------------------

Dark Gray (Hard, Moist) Silty LOAM (continued) 419.1					Brown Weathered SANDSTONE (continued) 401.6	50/1"		NC	17
Brown (Hard, Moist) Sandy Clay LOAM 416.1	19				Auger Refusal - END OF BORING				
Dark Gray (Hard, Moist) Silty LOAM with Gravel 413.1	45	NC	21						
Dark Gray (Hard, Moist) Sandy CLAY with Gravel Hard Drilling 410.1	50/4"								
Gray and Brown (Hard) Silty CLAY with Gravel 404.6	5								
	6	3.76	24						
	10	B							
Hard Drilling 404.6									
Brown Weathered SANDSTONE (Hard, Moist) 404.6	50/3"								
		NC	19						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)