



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 12/20/11

ROUTE FAP 303 DESCRIPTION D92-007-93 Culvert on Mitchell Road, just north of IL 173 LOGGED BY By. Wetzell

SECTION 129R LOCATION Harlem Twp. - 22NW, SEC. , TWP. 45N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOW	UCS	MOIST
		(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. <u>B-1c</u>	Station <u>232+22</u>					Groundwater Elev.: First Encounter <u>803.0</u> ft	Upon Completion <u>799.5</u> ft				
	Offset <u>9.00ft Rt CL</u>					After <u> </u> Hrs.					
	Ground Surface Elev. <u>815.50</u> ft										
MEDIUM brown SANDY LOAM				0.8	11.0	MEDIUM brown dirty SAND & GRAVEL		6			
				P				8			
								5			
	813.00		3				793.50				
MEDIUM brown SANDY LOAM			4	0.6	11.0	VERY DENSE white weathered LIMESTONE	792.50	100/1"			
			5	P		Auger Refusal @ 23'					
	811.50					End of Boring					
STIFF black SILTY LOAM			2								
			3	1.2	20.0						
	809.00		5	P							
STIFF black SANDY LOAM			1								
			5	1.0	14.0						
	806.00		3	P							
LOOSE tan dirty fine SAND with GRAVEL			4								
			3								
	804.00		3								
LOOSE tan dirty fine SAND & GRAVEL			0								
			2								
	801.50		2								
LOOSE brown dirty SAND & GRAVEL			2								
			1								
	799.00		3								
MEDIUM brown dirty SAND & GRAVEL			4								
			8								
	796.50		9								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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)



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Date 12/20/11

ROUTE FAP 303 DESCRIPTION D92-007-93 Culvert on Mitchell Road, .05 m. N. of IL 173 LOGGED BY By. Wetzell

SECTION 129R LOCATION Harlem Twp. - 22NW, SEC. , TWP. 45N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOW	UCS	MOIST
		(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. <u>B-2c</u>	Station <u>231+88</u>					Groundwater Elev.: First Encounter <u> </u> ft	Upon Completion <u> </u> ft				
	Offset <u>10.00ft Lt CL</u>					After <u> </u> Hrs.					
	Ground Surface Elev. <u>815.00</u> ft										
MEDIUM brown SANDY LOAM				0.8	11.0	VERY DENSE white weathered LIMESTONE	794.00	100/1"			
				P		Auger Refusal @ 21'					
						End of Boring					
Aggregate			7								
	812.50		8								
	811.00		6								
SOFT black SILTY LOAM			3								
			1	0.3	23.0						
	808.50		2	P							
MEDIUM black SANDY LOAM			2								
			3	0.9	13.0						
	806.00		4	P							
MEDIUM tan SANDY LOAM			3								
			3	0.7	12.0						
	803.50		5	B							
STIFF tan SANDY LOAM			4								
			7	1.4	10.0						
	800.50		8	B							
MEDIUM tan dirty SAND & GRAVEL			7								
			8								
	798.50		13								
MEDIUM tan clean medium SAND & GRAVEL			6								
			13								
	795.50		15								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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)

FILE NAME = 1010000-66N13-003-Bor-rng.dgn
MODEL = Default
PLOT DRIVER = V8...IDOT...PDF...1x17...e1e1e1g



USER NAME =	DESIGNED - RJP	REVISED
	CHECKED - DRB	REVISED
PLOT SCALE =	DRAWN - JTF	REVISED
PLOT DATE =	CHECKED - DRB	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
MITCHELL ROAD OVER UNNAMED TRIBUTARY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	687
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET NO. 3 OF 3 SHEETS