

# BORING LOGS

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

**SOIL BORING LOG**

Page 1 of 1  
Date 10/1/09

ROUTE US BR 20 DESCRIPTION P92-1000-09 US BR 20 @ Bismarck Tr. in Rockford, 2 m. E. of Mulford Road LOGGED BY W. Garza

SECTION \_\_\_\_\_ LOCATION Rockford Twp. - 22SW, SEC. 7, TWP. 44N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O S T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O S T	ft
BORING NO. <u>B-1a</u> Station <u>163+40</u> Offset <u>6.00B BAC</u> Ground Surface Elev. <u>100.50</u> ft					Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft						
MEDIUM brown LOAM			0.5	13.0	VERY DENSE tan SANDY LOAM TILL (continued)	79.50	18	33			
VERY STIFF gray SILTY CLAY LOAM	98.50	5			VERY DENSE tan SANDY LOAM TILL		8				
		3	2.5	19.0			22				
	97.00	4	P			77.00	41				
MEDIUM brown SANDY LOAM		4			VERY DENSE tan SANDY LOAM TILL		22				
		5	0.8	14.0			31				
	94.50	7	P		End of Boring	74.50	50				
LOOSE brown dirty SAND		0									
		4	0.4	15.0							
	91.50	4	P								
VERY STIFF tan SANDY LOAM TILL		5									
		9	3.2	10.0			30				
	89.50	12	P								
STIFF tan SANDY LOAM TILL		10									
		14	1.4	8.0							
	87.00	21	S								
Hard Drilling DENSE tan SANDY LOAM TILL		15									
		20	4.5	7.0			35				
	84.50	26	P								
VERY DENSE tan SANDY LOAM TILL		9									
		22		7.0							
	82.00	32									
		15									
	80.00										

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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**SOIL BORING LOG**

Page 1 of 1  
Date 10/6/09

ROUTE US BR 20 DESCRIPTION P92-1000-09 US BR 20 @ Bismarck Tr. in Rockford, 2 m. E. of Mulford Road LOGGED BY W. Garza

SECTION \_\_\_\_\_ LOCATION Rockford Twp. - 22SW, SEC. 7, TWP. 44N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O S T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O S T	ft
BORING NO. <u>B-2a</u> Station <u>165+32</u> Offset <u>0.00R Edge of Shoulder - Rt.</u> Ground Surface Elev. <u>100.00</u> ft					Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft						
MEDIUM dark gray SILTY CLAY LOAM			0.5	18.0	VERY DENSE tan SANDY LOAM TILL with SAND lens with GRAVEL (continued)	79.00	29	29			
HARD tan SANDY LOAM	98.00	2			DENSE tan SANDY LOAM TILL with GRAVEL		20				
		5	4.5	10.0			23				
	96.50	5	P			76.50	21				
MEDIUM light brown SILTY CLAY LOAM		2			DENSE tan SANDY LOAM TILL with GRAVEL		11				
		3	0.6	26.0			14				
	94.00	4	B		End of Boring	74.00	17				
STIFF light brown SANDY LOAM		0									
		2	1.3	11.0							
	91.00	3	B								
STIFF tan SANDY LOAM TILL with SAND lens		3									
		4	1.8	9.0							
	89.00	8	P								
STIFF tan SANDY LOAM TILL with GRAVEL		1									
		4	2.1	9.0							
	86.50	7	P								
DENSE tan SANDY LOAM TILL with GRAVEL		12									
		13		8.0							
	84.00	20									
DENSE tan SANDY LOAM TILL with GRAVEL		7									
		17		9.0							
	81.50	22									
		31									
	79.00										

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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 #FILE#	USER NAME #USER#	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	District 2 Sign Structure Replacement	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISIONS -			*	D-2 DVD SIGN STR REPL 2000-36	**	31	25
		CHECKED -	REVISIONS -			**	Rock Island & Winnebago	**	CONTRACT NO. 4501	
		DATE -	REVISIONS -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	** Varas [ILLINOIS] FED. AID PROJECT