

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department  
of Transportation  
Division of Highways  
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 3/2/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drainage Ditch 2.67 MI E. of IL 115 LOGGED BY LM  
SECTION 116-BR-1 LOCATION SE1/4 of SE 1/4, SEC. 23, TWP. 28N, RNG. 9E  
COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T	Groundwater Elev.: First Encounter Upon Completion After	D E P T H	B L O W S	U C S Qu	M O I S T
027-0045 (Exist.) 141+45					645.78 ft 643.56 ft									
BORING NO. 1 (E. Abut.) Station 142+19 Offset 13.00 ft Rt. Ground Surface Elev. 659.91 ft										645.9 ft				
Augered white shoulder stone, HMA millings, & Black Silty Clay Loam Fill														
Very Stiff Black Silty Clay Loam Fill		3												
		5	3.5	17.9										
		6	P											
		2												
		3	2.5	23.7										
		5	P											
Stiff Gray & Brown Silty Loam/Silty Clay Loam		2												
		2	1.5	20.7										
		3	P											
Loose and Stiff Brown Fine/Medium Sand & Silt interbedded - some Sandy Loam and Silty Clay Loam Layers		1												
		5		18.4										
		2												
		2	2.5	25.3										
		5	P											
Stiff Brownish-Gray Silty Loam & Silty Clay Loam with Silt Layers		2												
		2	2.0	19.9										
		3	P											
Very Stiff Gray Silty Clay Loam Till		2												
		3	3.4	15.0										
		5	B											

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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Page 2 of 2

Date 3/2/09

ROUTE SBI-116 (IL 116) DESCRIPTION IL 116 over Drainage Ditch 2.67 MI E. of IL 115 LOGGED BY LM  
SECTION 116-BR-1 LOCATION SE1/4 of SE 1/4, SEC. 23, TWP. 28N, RNG. 9E  
COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T	Groundwater Elev.: First Encounter Upon Completion After	D E P T H	B L O W S	U C S Qu	M O I S T
027-0045 (Exist.) 141+45					645.78 ft 643.56 ft									
BORING NO. 1 (E. Abut.) Station 142+19 Offset 13.00 ft Rt. Ground Surface Elev. 659.91 ft										645.9 ft				
Soft to Hard Gray Silt with minor Clay (continued)														
		25		28.5										
		2												
		2	2.0	29.5										
		2	P											
		11												
		18	>4.5	16.8										
		23	P											
Hard Gray Silty Clay Loam Till with some Silt & Sand seams (continued)														
		22		8										
		26		9.3										
		26	S	21.4										
End of Boring														
		20												
		32		11.1										
		61	S	11.3										
Hard Gray Silty Clay Loam Till with some Silt & Sand seams														
		15												
		16	7.3	11.0										
		21	S											
		8												
		18	7.8	8.8										
		24	S											
		12												
		21	7.8	10.2										
		23	S											
		10												
		18	7.8	17.7										
		21	S											
		9												
		19	8.7	10.6										
		24	S											

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)

DESIGNED SDH
CHECKED JML
DRAWN JWK/DJM
CHECKED MSW

DATE 08/04/10

SOIL BORING LOGS  
STRUCTURE NO. 027-0100

 2709 McGraw Drive Bloomington, Illinois 61704 309/663-8435, 309/663-1571 fax	SHEET NO. D17	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	18 SHEETS	681	*	FORD/IROQUOIS	146	84	
	CONTRACT NO. 66880						
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

\* 116 BR/[116 BR, (BR-2)BR, I & BR-3]

24-8271