

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING B-2 (Page 1 of 2)

**Illinois Department of Transportation**  
Division of Highways  
District #8, Office

**SOIL BORING LOG** Page 1 of 2  
Date: 2/25/09

ROUTE: FA-796 (IL 115) DESCRIPTION: IL 115 over Drainage Ditch LOGGED BY: L. Myers

SECTION: 106 BR-3 LOCATION: East 1/2, SEC. 17, TWP. 27N, R14G. 9E, 3<sup>rd</sup> PM

COUNTY: Ford DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: CME Automatic

STRUCT. NO.: 027- (Prop.)  
027-0075 (Exist.)  
Station: 1711+37.38

BORING NO.: 2 (N. Abut.)  
Station: 1710+97  
Offset: 14.000 RL  
Ground Surface Elev.: 657.13 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNCONF. COMP. STRENGTH (UCS) (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/ft)	UNCONF. COMP. STRENGTH (UCS) (tsf)	MOISTURE (%)
3				Hard to Very Stiff Brown Silty Clay Loam Till with layers of Brown Silt/Silty Clay (continued)	3			
4	3.2				4	3.2	14.8	
4	S				4	S		
5				Medium Brown Fine Sand & Silt with Free Water	5			
6					6		24.3	
11					11			
8				Dense Brown Fine/Medium Sand with some Fine Sand/Silt layers (Washed sample at 25')	8			
16					16		18.8	
24					24			
9					9			
13					13		19.8	
17					17			
19					19			
25					25		20.9	
34					34			
10				Hard Gray Silty Loam Till with layers of Gray Silt	10			
8					8	4.8	19.1	
10					10	S		
11					11			
8					8	4.8	17.0	
12					12	S		
4				Hard to Very Stiff Brown Silty Clay Loam Till with layers of Brown Silt/Silty Clay	4			
5					5	4.4	20.3	
6					6	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)

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2				Hard Gray Silty Clay Loam Till (continued)	2			
5	4.1				5	4.1	15.8	
6	S				6	S		
7				Hard Brown Silty Loam/ Silty Clay Loam Till, Brittle	7			
15					15	9.4	8.2	
21					21	S		
17					17			
13					13	>11.5	8.2	
43					43	S		
31					31			
38					38	>11.5	7.6	
58					58	S		
5				Medium to Dense Gray Fine to Coarse Gravel, very clean	5			
9					9		13.0	
19					19			
7					7			
10					10		20.5	
22					22			

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BBS, from 137 (Rev. 8-99)

**ZROKA** engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

DESIGNED	LAS
CHECKED	JLA
DRAWN	SAW
CHECKED	LAS

BORING LOGS 2  
STRUCTURE NO. 027-0099

SHEET NO. 21 OF 21 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	796	(106)BR-3	FORD	48	32
SN 027-0099			CONTRACT NO. 66916		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					