ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 609	*	ST. CLAIR	46	34
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. 14
15 SHEETS
76268

* 76-3BR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING B–1

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 103000

ROUTE FAP 609 DESCRIPTION IL 163 over Prairie du Pont Creek near Millstadt LOGGED BY Larry Ford

SECTION 76-3BR LOCATION NE 1/4, SEC. 33, TWP. 1N, RNG. 9W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-0134 (Ex.) / 082-0305 (Prop.)
Station 138+68

BORING NO. #1 North Abutment
Station 139+26.3
Offset 12.50ft Lt
Ground Surface Elev. 519.0 ft

Surface Water Elev. 498.3 ft
Stream Bed Elev. 497.8 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown SILT (Fill)				Broken, Weathered SANDSTONE (continued)		NC	17
	5			498.0			
	3	1.5		Borehole continued with rock coring.			
	6	S10	21				
515.0							
Brown Silt LOAM (Fill)	3			-25			
	3	1.2					
	2	P	19				
	2						
	3	1.7					
	3	P	22				
510.0							
Brown Silty CLAY	3			-30			
	4	3.1					
	4	S15	23				
507.5							
Brown Silt LOAM	2						
	3	0.5					
	4	S15	23				
-15	2			-35			
	4	0.9					
	4	S15	24				
	1						
501.0	2	0.8					
	8	S20	25				
Broken, Weathered SANDSTONE							
-20	503*			-40			

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)

BORING B–1 ROCK CORE

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 2 of 2

Date 103000

ROUTE FAP 609 DESCRIPTION IL 163 over Prairie du Pont Creek near Millstadt LOGGED BY Larry Ford

SECTION 76-3BR LOCATION NE 1/4, SEC. 33, TWP. 1N, RNG. 9W, 3 PM

COUNTY St. Clair CORING METHOD

STRUCT. NO. 082-0134 (Ex.) / 082-0305 (Prop.)
Station 138+68

BORING NO. #1 North Abutment
Station 139+26.3
Offset 12.50ft Lt
Ground Surface Elev. 519.0 ft

CORING BARREL TYPE & SIZE
Core Diameter in
Top of Rock Elev. 501.00 ft
Begin Core Elev. 498.00 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
498.00	1	100	48	0.5	
Gray and Brown SANDSTONE				0.5	
				0.5	
				1	
-85				0.5	
				1	
				0.5	
				0.5	
				0.5	
-30				0.5	
488.00	2	100	40	0.5	
Brown SANDSTONE				0.5	
				0.5	
				0.5	
-35				0.5	
				0.5	
482.00				2	
Gray SHALE				3	
				3	
-40				3	
478.00					
End of Boring and Rock Core					
-45					

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

FAP RTE 609 (IL. 163) PRAIRIE DuPONT CR.
SECTION 76-3BR
ST. CLAIR COUNTY
STA. 138+66.06
S.N. 082-0305

SCALE: VERT.
HORIZ.
DATE: 7/26/04

DRAWN BY: LANDREY
DESIGNED BY: WATKINS
CHECKED BY: SANFORD

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
2500 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62703
PROFESSIONAL DESIGN FIRM NO. 184-000177
PROFESSIONAL ENGINEERING, LAND SURVEYING CORPORATION
(217) 793-8644, (217) 793-8477 (FAX) - e-mail: greene-bradford@worldnet.att.net

COMPUTER FILE NO.
SN0820305_BOR1

PROJECT 02076
4/28/05-MML

FILE NAME = I:\02076\drawings\sn0820-0305\sn0820305_bor1.dgn
PLOT SCALE = 1.0000 '/ IN
PLOT DATE = 6/22/2005
PLOT TIME = 10:35:46 AM
OPERATOR = mlichtel