FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-16-1, 42-1	MADISON	481	174
STA.	TO STA.			
EXISTING CONDITIONS:				

Sheet No. 10 of 12 Sheets

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 1
Date 12/10/01

ROUTE FAP 310 DESCRIPTION US 67 at Little Piasa Creek LOGGED BY M. Tappan
SECTION 60-16-1-1HB LOCATION NW 14, SEC. 4, TWP. 6 N, RNG. 10 W, 3 PM
COUNTY Madison DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 060-0064
Station 230+00 +/-
BORING NO. LP-B1
Station 229+57
Offset 35.00ft Left
Ground Surface Elev. 487.5* ft

Surface Water Elev. 477.4* ft
Stream Bed Elev. No Data ft
Groundwater Elev.:
First Encounter No Encounter ft
Upon Completion Cored ft
After 24 Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey and Brown V. Moist LOAM				
		1		
		2	0.5	19
	-5	2	B	
Auger Refusal at 5.5' - Start Rock Core 482.0*				
Borehole continued with rock coring.				
	-10			
	-15			
	-20			

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)

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 1
Date 12/10/01

ROUTE FAP 310 DESCRIPTION US 67 at Little Piasa Creek LOGGED BY M. Tappan
SECTION 60-16-1-1HB LOCATION NW 14, SEC. 4, TWP. 6 N, RNG. 10 W, 3 PM
COUNTY Madison DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 060-0064
Station 230+00 +/-
BORING NO. LP-B2
Station 230+59
Offset 55.00ft Left
Ground Surface Elev. 497.6 ft

Surface Water Elev. 480.5 ft
Stream Bed Elev. No Data ft
Groundwater Elev.:
First Encounter No Encounter ft
Upon Completion Cored ft
After 24 Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Reddish Brown Moist SILTY CLAY 486.6				
Auger Refusal at 1.0' - Start Rock Core				
Borehole continued with rock coring.				
	-5			
	-10			
	-15			
	-20			

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)

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 3
Date 7/22/03

ROUTE FAP 310 DESCRIPTION US 67 over Little Piasa Creek LOGGED BY Mark Schreader
SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0061 (E) 060-0334 (P)
Station
BORING NO. LP-B3
Station 228+40
Offset 28.00ft Right
Ground Surface Elev. 523.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter Dry Hole ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY				
		1		
		2	1.3	22
		3	S/20	
	-5	1		
		2	0.9	20
		4	S/20	
		3		
		6	2.2	19
		5	S/20	
	-10	1		
		3	1.9	24
		5	S/20	
		3		
		5	1.8	23
		8	S/20	
	-15	2		
		5	2.0	23
		6	S/20	
		2		
		5	2.0	19
		6	S/20	
	-20	3		
Brown Silty CLAY (continued)				
		5	1.8	20
		6	S/20	
		4		
		6	2.2	22
		8	S/20	
	-25	3		
		4	2.3	24
		6	S/20	
		3		
		4	2.6	22
		7	S/20	
	-30	3		
		5	2.3	25
		7	S/20	
	-35	4		
		8	2.6	23
		10	S/20	
483.9 Gray Loamy SAND with Gravel	-40	4		

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)

ROCK BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 3 of 3
Date 7/22/03

ROUTE FAP 310 DESCRIPTION US 67 over Little Piasa Creek LOGGED BY Mark Schreader
SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM
COUNTY Madison CORING METHOD Wireline w/Water
STRUCT. NO. 060-0061 (E) 060-0334 (P)
Station
CORING BARREL TYPE & SIZE NXB
Core Diameter 2 in
Top of Rock Elev. 481.40 ft
Begin Core Elev. 481.40 ft
BORING NO. LP-B3
Station 229+40
Offset 28.00ft Right
Ground Surface Elev. 523.4 ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
481.40						
LIMESTONE		1	87	76	2.5	
		1	87	76	8	
		1	87	76	7	
	-45	1	87	76	5.5	
		1	87	76	4.5	
		1	87	76	5	
		1	87	76	9.5	
		1	87	76	5	
	-50	1	87	76	3	
472.40						
End of Boring and Rock Core						
	-55					
	-60					

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)

ROCK BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 1
Date 12/10/01

ROUTE FAP 310 DESCRIPTION US 67 at Little Piasa Creek LOGGED BY M. Tappan
SECTION 60-16-1-1HB LOCATION NW 14, SEC. 4, TWP. 6 N, RNG. 10 W, 3 PM
COUNTY Madison CORING METHOD Christensen NXB Wireline w/Water
STRUCT. NO. 060-0064
Station 230+00 +/-
CORING BARREL TYPE & SIZE NXB
Core Diameter 1.88 in
Top of Rock Elev. 482.00* ft
Begin Core Elev. 482.00* ft
BORING NO. LP-B1
Station 229+57
Offset 35.00ft Left
Ground Surface Elev. 487.5* ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Light Grey Very Broken Well Indurated Crystalline LIMESTONE 482.00*		1	73	38		
479.2*						
Light Grey Well Indurated Crystalline LIMESTONE	-10					
476.9*		2	100	79		
Grey and Olive Green Moderately Well Indurated Argilliceous LIMESTONE w/Seams of QUARTZ Secondary Mineralization						
474.5*						
Dark Tannish Grey Moderately Indurated Argilliceous LIMESTONE	-15					
		3	100	100		
467.6*	-20					
Boring Completed						
	-25					

Color pictures of the cores Y
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)

ROCK BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 1
Date 12/10/01

ROUTE FAP 310 DESCRIPTION US 67 at Little Piasa Creek LOGGED BY M. Tappan
SECTION 60-16-1-1HB LOCATION NW 14, SEC. 4, TWP. 6 N, RNG. 10 W, 3 PM
COUNTY Madison CORING METHOD Christensen NXB Wireline w/Water
STRUCT. NO. 060-0064
Station 230+00 +/-
CORING BARREL TYPE & SIZE NXB
Core Diameter 1.88 in
Top of Rock Elev. 484.00 ft
Begin Core Elev. 486.60 ft
BORING NO. LP-B2
Station 230+59
Offset 55.00ft Left
Ground Surface Elev. 487.6 ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
* - Light Grey V. Well Indurated Crystalline LIMESTONE - Unknown Placement 486.60		1	96	56		
Broken Seam 2.4' - 3.6' w/14" Olive Green Shaley CLAY Seam						
484.00						
Light Grey V. Well Indurated Crystalline LIMESTONE	-5					
		2	100	76		
w/Dark Grey 1/2" - 2" Diameter CHERT Nodules 7.4' - 9.0'						
	-10					
		3	96	96		
474.00						
Dark Tannish Grey Well Indurated Argilliceous LIMESTONE	-15					
		4	100	100		
468.60						
Boring Completed	-20					

* - Use Top of Bedrock Elevation 484.0' - Uppermost limestone seam may not be in place due to presence of broken limestone and weathering products beneath the seam.

Color pictures of the cores Y
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)

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 2 of 3
Date 7/22/03

ROUTE FAP 310 DESCRIPTION US 67 over Little Piasa Creek LOGGED BY Mark Schreader
SECTION 60-16-1-1B LOCATION NW 14, SEC. 4, TWP. 6N, RNG. 10W, 3 PM
COUNTY Madisort DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic
STRUCT. NO. 060-0061 (E) 060-0334 (P)
Station
BORING NO. LP-B3
Station 229+40
Offset 28.00ft Right
Ground Surface Elev. 523.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter Dry Hole ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Loamy SAND with Gravel (continued)		6		18
		40	NC	
481.4				
Borehole continued with rock coring.				
	-45			
	-50			
	-55			
	-60			

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)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAP ROUTE 310
SECTION 60-16-1, 42-1
MADISON COUNTY

PLOT DATE: *DATE-TIME*

$$DATE$$
DATE-TIME
DGN-SPEC
MODEL
REF