FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-16-1-1B	MADISON	481	175
STA.		TO STA.		
EXISTING CONDITIONS:				

Sheet No. 11 of 12 Sheets

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 7/21/03

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-B4
Station 230+60
Offset 28.00ft Right
Ground Surface Elev. 522.8 ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY (Fill)			
	2		
	3 3	1.4 S/20	18
-5	2		
	3 4	1.3 S/20	21
	0		
	2 4	1.6 S/20	18
-10	2		
	4 4	1.7 S/15	21
511.3			
Brown and Gray Silty CLAY			
	4		
	5 6	1.7 S/15	21
-15	2		
(With some Organics)	4 6	1.5 S/15	23
506.3			
Brown Silty CLAY			
	3		
	5 8	1.9 S/15	19
-20	2		
Brown Silty CLAY (continued)			
	6 5	2.8 S/10	22
	4		
	5 7	2.3 S/20	20
-25	3		
	6 8	1.9 S/15	21
	4		
	8 7	2.4 S/15	21
-30	3		
	5 8	2.2 S/15	21
486.3			
Gray LIMESTONE (Drilled)			
485.3			
Borehole continued with rock coring.			
-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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 7/17/03

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-B5
Station 232+50
Offset 27.50ft Right
Ground Surface Elev. 523.2 ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAVEL			
	3		
	4 4	NC	3
519.7			
Brown Silty CLAY			
-5	2		
	4 4	2.9 S/20	20
	3		
	3 4	2.4 S/20	24
-10	3		
	4 5	1.8 S/20	21
	4		
	5 6	2.4 S/20	25
508.7			
-15	2		
Gray Silt LOAM	4 7	1.5 S/15	25
	4		
	5 6	1.1 S/10	22
503.7			
Brown Silty CLAY -20	3		
Brown Silty CLAY (continued)			
	4 8	2.4 S/20	19
	3		
	7 50/2"	1.4 S/5	31
499.7			
Borehole continued with rock coring.			
-25			
-30			
-35			
-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)

Illinois Department of Transportation — SOIL BORING LOG

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Illinois Department of Transportation

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Date 7/16/03

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-B6
Station 233+25
Offset 26.50ft Right
Ground Surface Elev. 524.0 ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY			
	3		
	4 4	NR	
-5	3		
	4 7	1.5 S/20	18
	3		
	7 12	3.3 S/20	18
-10	7		
	11 15	2.9 S/20	16
	7		
	11 14	4.6 S/5	13
509.5			
-15	4		
Brown Clay LOAM	7 8	3.3 S/20	15
507.0			
LIMESTONE Drilled	50/2"		21
505.5			
Borehole continued with rock coring.			
-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)

Illinois Department of Transportation — ROCK BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 7/21/03

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) CORING BARREL TYPE & SIZE NXB
Station
BORING NO. LP-B4
Station 230+60
Offset 28.00ft Right
Ground Surface Elev. 522.8 ft

Core Diameter 2 in
Top of Rock Elev. 485.30 ft
Begin Core Elev. 484.80 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
485.30					
Gray Limestone	1	100	73	6	
-40	1	100	73	5	
	1	100	73	3.5	
	1	100	73	5	
	1	100	73	8.5	
	1	100	73	9.5	
-45	1	100	73	6	
476.80	1	100	73	4.5	
End of Boring and Rock Core					
-50					
-55					

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)

Illinois Department of Transportation — ROCK BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 7/17/03

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) CORING BARREL TYPE & SIZE NXB
Station
BORING NO. LP-B5
Station 232+50
Offset 27.50ft Right
Ground Surface Elev. 523.2 ft

Core Diameter 2 in
Top of Rock Elev. 499.70 ft
Begin Core Elev. 499.20 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
499.70					
Gray LIMESTONE	1	95	80	2	
-25	1	95	80	2.5	
	1	95	80	2.5	
	1	95	80	5.5	
	1	95	80	8	
	1	95	80	3	
-30	1	95	80	3.5	
	1	95	80	2.5	
	1	95	80	3.5	
490.20					
End of Boring and Rock Core					
-35					
-40					

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)

Illinois Department of Transportation — ROCK BORING LOG

Division of Highways
Illinois Department of Transportation

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Date 7/16/03

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) CORING BARREL TYPE & SIZE NXB
Station
BORING NO. LP-B6
Station 233+25
Offset 26.50ft Right
Ground Surface Elev. 524.0 ft

Core Diameter 2 in
Top of Rock Elev. 505.50 ft
Begin Core Elev. 505.00 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
505.50					
LIMESTONE	1	70	48	3.5	
-20	1	70	48	3.5	
	1	70	48	3	
	1	70	48	2	
	1	70	48	4.5	
	1	70	48	3	
-25	1	70	48	3.5	
	1	70	48	2	
	1	70	48	1.5	
496.00					
End of Boring and Rock Core					
-30					
-35					

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)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAP ROUTE 310
SECTION 60-16-1-1B
MADISON COUNTY

PLOT DATE: *DATE-TIME*

$$DATE$$
DATE-TIME
DGN-SPEC
WORK
REF