

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-16-1, 42-1	MADISON	481	184
STA. TO STA.				
EXISTING CONDITIONS:				

Sheet No. 8
of 8 Sheets

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

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Date 12/1/01

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. WALL
Station
BORING NO. LP-W5
Station 231+00
Offset 60.00ft Left
Ground Surface Elev. 494.7 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter No. Encountered ft
Upon Completion Cored ft
After 24 Hrs. Plugged ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	SPT (N)
0	Brown Broken Weathered LIMESTONE w/Reddish Brown Clayey Residuum		
10			
17			
47			
487.2	Auger Refusal at 7.5' - Start Rock Core		
	Borehole continued with rock coring.		
-10			
-16			
-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 T208)
BBS, Form 137 (Rev. 8-99)

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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. WALL
Station
BORING NO. LP-W7
Station 232+50
Offset 65.00ft Left
Ground Surface Elev. 498.9 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter No. Encountered ft
Upon Completion Cored ft
After 24 Hrs. Plugged ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	SPT (N)
0	Reddish Brown Moist SILTY CLAY		
495.4	Auger Refusal at 3.5' - Start Rock Core		
	Borehole continued with rock coring.		
-5			
-10			
-16			
-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 T208)
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COUNTY Madison DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. WALL
Station
BORING NO. LP-W9
Station 233+90
Offset 55.00ft Left
Ground Surface Elev. 504.4 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter No. Encountered ft
Upon Completion Dry ft
After 24 Hrs. Dry ft

DEPTH (ft)	SOIL DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	SPT (N)
0	Reddish Brown Moist SILTY CLAY		
503.4	Auger Refusal at 1.0' - Start Rock Core		
	Borehole continued with rock coring.		
-5			
-10			
-16			
-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 T208)
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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. WALL
Station
BORING NO. LP-W5
Station 231+00
Offset 60.00ft Left
Ground Surface Elev. 494.7 ft

CORING BARREL TYPE & SIZE NXB
Core Diameter 1.88 in
Top of Rock Elev. 487.20 ft
Begin Core Elev. 487.20 ft

DEPTH (ft)	ROCK DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	SPT (N)
487.20	Light Grey V. Broken Well Indurated Crystalline LIMESTONE		
485.20	Light Grey Well Indurated Crystalline LIMESTONE		
482.40	Boring Completed		
-10			
-16			
-20			
-26			

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)

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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. WALL
Station
BORING NO. LP-W7
Station 232+50
Offset 65.00ft Left
Ground Surface Elev. 498.9 ft

CORING BARREL TYPE & SIZE NXB
Core Diameter 1.88 in
Top of Rock Elev. 495.40 ft
Begin Core Elev. 495.40 ft

DEPTH (ft)	ROCK DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	SPT (N)
495.40	Light Grey Crystalline LIMESTONE w/Thinly Bedded Calcareous SHALE Seams		
494.60	Brown Poorly Indurated Argillaceous LIMESTONE		
491.70	Brownish Grey Moderately Indurated Crystalline LIMESTONE		
490.60	Boring Completed		
-10			
-16			
-20			

Color pictures of the cores Y
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COUNTY Madison CORING METHOD Christensen NXB Wireline w/Water

STRUCT. NO. WALL
Station
BORING NO. LP-W9
Station 233+90
Offset 55.00ft Left
Ground Surface Elev. 504.4 ft

CORING BARREL TYPE & SIZE NXB
Core Diameter 1.88 in
Top of Rock Elev. 503.40 ft
Begin Core Elev. 503.40 ft

DEPTH (ft)	ROCK DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE	SPT (N)
503.40	Light Grey V. Broken Well Indurated Crystalline LIMESTONE		
502.00	Light Grey Well Indurated Crystalline LIMESTONE		
498.60	Boring Completed		
-10			
-16			
-20			

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)
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*INDICATES ELEVATION CHANGE BY HLC TO MATCH EXISTING CONTOURS. ORIGINAL BORING LOCATIONS WERE CHANGED IN THE FIELD AND ELEVATIONS APPEARED INCORRECT.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS
FAP ROUTE 310
SECTION 60-16-1, 42-1
MADISON COUNTY

DATE TIME
CON-SPEC
REF

PLOT DATE: DATE-TIME