

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-16-1, 42-1	MADISON	481	183
STA.		TO STA.		
EXISTING CONDITIONS:				

Sheet No. 7
of 8 Sheets

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 1 Date 12/19/01

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-W1 Station 228+20 Offset 75.00ft Left Ground Surface Elev. 525.8 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS FAILURE MODE	SPT (N)
0	Surface Water Elev. N/A ft		
0	Stream Bed Elev. N/A ft		
0	Groundwater Elev.: First Encounter No. Encountered ft		
0	Upon Completion Dry ft		
0	After 0 Hrs. Plugged ft		
1	Reddish Brown Moist SILTY CLAY		100
1			22
1.0			
3			
520.8	Reddish Brown Moist CLAY LOAM		25
5			
8			
9			
515.8	Grey and Brown Moist V. Weathered CLAY LOAM (TIII)		30
4			
8			
9			
510.8	Grey and Brown Dry Weathered SANDY CLAY LOAM (TIII)		35
4			
7			
7			
505.8			40
2			
3			
5			

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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SOIL BORING LOG Page 1 of 1 Date 12/19/01

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-W2A Station 229+30 Offset 60.00ft Left Ground Surface Elev. 490.0 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS FAILURE MODE	SPT (N)
0	Surface Water Elev. N/A ft		
0	Stream Bed Elev. N/A ft		
0	Groundwater Elev.: First Encounter No. Encountered ft		
0	Upon Completion Dry ft		
0	After 24 Hrs. Plugged ft		
10	Grey Broken Crystalline LIMESTONE and Brown CLAY Residuum		
21			
11			
485.5	Auger Refusal in Grey Moderately to Well Indurated Crystalline LIMESTONE		100
48			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG Page 1 of 1 Date 12/19/01

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-W3 Station 229+75 Offset 55.00ft Left Ground Surface Elev. 487.0 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS FAILURE MODE	SPT (N)
0	Surface Water Elev. N/A ft		
0	Stream Bed Elev. N/A ft		
0	Groundwater Elev.: First Encounter No. Encountered ft		
0	Upon Completion Dry ft		
0	After 24 Hrs. Plugged ft		
1	Grey and Brown V. Moist SAND LOAM to Medium Grained SAND		
3			
3			
482.0	Brown and Grey Broken Weathered Crystalline LIMESTONE Free Water		12
20			
49			
479.0	Auger Refusal in Grey Moderately Indurated Crystalline LIMESTONE		60
100			
4			
10			
15			
20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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-W5 Station 231+75 Offset 60.00ft Left Ground Surface Elev. 493.8 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS FAILURE MODE	SPT (N)
0	Surface Water Elev. N/A ft		
0	Stream Bed Elev. N/A ft		
0	Groundwater Elev.: First Encounter No. Encountered ft		
0	Upon Completion Dry ft		
0	After 24 Hrs. Plugged ft		
2	Brown Moist SILTY CLAY		25
6			
6			
489.3	Light Grey Well Indurated Crystalline LIMESTONE		17
17			
489.3	Auger Refusal - Boring Completed		100
1			
10			
15			
20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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-W8 Station 233+25 Offset 60.00ft Left Ground Surface Elev. 504.9 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS FAILURE MODE	SPT (N)
0	Surface Water Elev. N/A ft		
0	Stream Bed Elev. N/A ft		
0	Groundwater Elev.: First Encounter No. Encountered ft		
0	Upon Completion Dry ft		
0	After 24 Hrs. Plugged ft		
3	Brown Dry SILTY CLAY		16
5			
7			
499.4	Reddish Brown Moist CLAY Residuum w/Broken LIMESTONE Pieces		13
10			
14			
17			
497.4	Tannish Brown Weathered Crystalline LIMESTONE		5
100			
5			
10			
55			
100	Light Grey Poorly to Moderately Indurated Crystalline LIMESTONE		2
2			
490.9	Auger Refusal - Boring Completed		15
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)

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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-W10 Station 235+00 Offset 60.00ft Left Ground Surface Elev. 521.7 ft (ft) (6") (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS FAILURE MODE	SPT (N)
0	Surface Water Elev. N/A ft		
0	Stream Bed Elev. N/A ft		
0	Groundwater Elev.: First Encounter No. Encountered ft		
0	Upon Completion Dry ft		
0	After 24 Hrs. Plugged ft		
3	Grey and Reddish Brown Dry SILTY CLAY Residuum		13
7			
9			
516.2	Reddish Brown Moist CLAY LOAM Residuum		13
5			
8			
10			
513.7	Grey and Brown Moist CLAY LOAM (TIII)		15
8			
8			
511.7	Boring Completed		15
15			
20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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: *
DRAWN: *
CHECKED: *
REF: *
REV: *

PLOT DATE: *DATE-TIME*