

12/14/2007 11:59:44 AM

FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	27-1BR-1	CLINTON	52	52
STA. _____		TO STA. _____		
CONTRACT NO. _____				

SHEET NO. 27
27 SHEETS

Note:
Station 0+00 West to East = Station 395+00 East to West.

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 2

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart Date 6/12/06

SECTION 27-1BR-1 LOCATION NW 14, SEC. 23, TWP. 2N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 014-0077 (P) / 014-0030 (E)
Station 385+83 (E)

BORING NO. 3 Pier 1
Station 384+51
Offset 17.00ft Right
Ground Surface Elev. 448.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	U (ft)	M (%)
0	Surface Water Elev. _____ ft				
0	Stream Bed Elev. _____ ft				
0	Groundwater Elev.: _____ ft				
0	First Encounter _____ ft				
0	Upon Completion _____ ft				
0	After _____ Hrs.				
0	Light Gray Silty Clay LOAM (continued)	0	0.66	31	
6		2			
5		1	0.59	32	
5	NC	1		B20	
444.0					
2					
1	Light Gray Silty CLAY	0	0.33	32	
1	B20	3		S40	
442.0					
2					
4	Dark Gray Silty Clay LOAM	0.88	22		
6	B20				
439.0					
3					
4	Light Gray Silty Clay LOAM	0.97	23		
5	S15				
0					
2		0.36	27		
2	S20				
434.0					
2					
2	Silty Clay LOAM A-6(9)	0.46	30		
3	B20				
0					
0		0.52	32		
0	B20				
429.0					
0	Light Gray Silty Clay LOAM				

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
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 2

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart Date 6/8/06

SECTION 27-1BR-1 LOCATION NW 14, SEC. 23, TWP. 2N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 014-0077 (P) / 014-0030 (E)
Station 385+83 (E)

BORING NO. 4 E. Abut
Station 384+08
Offset 14.00ft Right
Ground Surface Elev. 448.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	U (ft)	M (%)
0	Surface Water Elev. _____ ft				
0	Stream Bed Elev. _____ ft				
0	Groundwater Elev.: _____ ft				
0	First Encounter _____ ft				
0	Upon Completion _____ ft				
0	After _____ Hrs.				
0	Light Brown Silty Clay LOAM (continued)	2	0.59	31	
2		2		B20	
1		0.73	24		
2					
0					
0		0.69	29		
2					
2	B15				
421.5					
2					
2	Light Brown LOAM	0.69	26		
2	B15				
0					
2		0.44	28		
2	B10				
0					
2		0.26	31		
2	B15				
0					
2		0.36	30		
1	B20				
0					
2		0.81	32		
1	B20				
408.6					
0	SILT				

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SOIL BORING LOG Page 2 of 2

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart Date 6/12/06

SECTION 27-1BR-1 LOCATION NW 14, SEC. 23, TWP. 2N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 014-0077 (P) / 014-0030 (E)
Station 385+83 (E)

BORING NO. 3 Pier 1
Station 384+51
Offset 17.00ft Right
Ground Surface Elev. 448.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	U (ft)	M (%)
0	Light Blue and Gray Clay LOAM (continued)	0	0.65	28	
0					
0	Light Gray Gravelly CLAY				
404.0					
2					
3	Light Gray Coarse to Fine SAND				
2	NC				
399.0					
4					
5	Coarse to Medium SAND				
16	NC				
393.0					
17					
17	Dark Gray CLAY				
45					
389.0					
40	Gravelly SAND				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG Page 2 of 2

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart Date 6/8/06

SECTION 27-1BR-1 LOCATION NW 14, SEC. 23, TWP. 2N, RNG. 5W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 014-0077 (P) / 014-0030 (E)
Station 385+83 (E)

BORING NO. 4 E. Abut
Station 384+08
Offset 14.00ft Right
Ground Surface Elev. 448.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	U (ft)	M (%)
0	SILT (continued) A-4(8)	0	0.72	29	
0					
0	Light Gray Silty CLAY (continued)				
386.1					
16					
30	Gray and Blue SHALE				
50	S15				
384.6					
403.6					
0					
0	SAND				
2	NC				
50					
10					
11					
21	NC				
383.6					
12					
12	Light Gray Silty CLAY	1.24	21		
17	S20				
17					
80					

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
FAS RTE 1780 (OLD US 50) OVER SUGAR CREEK
SECTION 27-1BR-1
CLINTON COUNTY
STATION 9+14.50
STRUCTURE NUMBER 014-0077

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