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FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1780	27-1BR-1	CLINTON	51	51
STA.		TO STA.		
CONTRACT NO.				

SHEET NO. 26
27 SHEETS

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

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
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Date 6/14/06

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart
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 (P1) / 014-0030 (E)
Station 385+83 (E)
BORING NO. 1 W. Abut
Station 387+86
Offset 15.00ft Right
Ground Surface Elev. 448.4 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	O (%)	S (%)	I (%)	T (%)
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	Ground Surface Elev. _____ ft						
0	Mottled Brown and Gray Clay LOAM (continued)	4	0.88	19			
0		5	B20				
0	426.4						
0		7					
0	Light Gray and Brown Sandy CLAY	8	0.33	18			
0		9	B10				
0		7					
0		4	1.71	17			
0		4	B20				
0	421.4						
0		4					
0	Silty Clay LOAM	4	0.95	23			
0	A-4(8)	5	B20				
0	See Classification @ 30 ft						
0		3					
0		5	1.87	20			
0		8	B20				
0	435.9						
0	Light Gray Clay LOAM	2	0.49	20			
0		2	B20				
0	433.9						
0	Light Gray Silty Clay LOAM	2	0.26	23			
0		2	B20				
0	431.4						
0	Mottled Brown and Gray Clay LOAM	4	2.44	22			
0		5	B20				
0		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)

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Division of Highways
SOIL BORING LOG
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Date 6/6/06

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart
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 (P1) / 014-0030 (E)
Station 385+83 (E)
BORING NO. 2 Pier 4
Station 387+19
Offset 13.00ft Left
Ground Surface Elev. 448.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	O (%)	S (%)	I (%)	T (%)
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	Ground Surface Elev. _____ ft						
0	Light Brown Silty Clay LOAM	2	0.33	28			
0	(continued)	4	S20				
0	426.5						
0		3					
0	Dark Gray Clay LOAM	4	1.03	25			
0		5	B20				
0	424.0						
0		3					
0	Light Gray Silty CLAY	3	1.53	26			
0		6	B20				
0		3					
0		5	1.98	26			
0		6	B20				
0	439.0						
0	Light Gray Silty CLAY	2	0.52	24			
0		4	B15				
0	436.5						
0	Dark Gray Silty CLAY	3	0.22	24			
0		5	S16				
0		2					
0		4	0.35	25			
0		5	S16				
0	414.0						
0		0					
0	Light Gray Silty Clay LOAM	0	0.91	34			
0	A-4(8)	3	B20				
0	See Classification @ 40 ft						
0	431.5						
0	Light Gray Silty Clay LOAM	2	1.14	26			
0		4	B20				
0		3					

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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Division of Highways
ROCK BORING LOG
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ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart
SECTION 27-1BR-1 LOCATION NW 14, SEC. 23, TWP. 2N, RNG. 5W, 3 PM
COUNTY Clinton CORING METHOD _____

STRUCT. NO. 014-0077 (P1) / 014-0030 (E)
Station 385+83 (E)
CORING BARREL TYPE & SIZE NX
BORING NO. 2 Pier 4
Station 387+19
Offset 13.00ft Left
Ground Surface Elev. 448.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	O (%)	S (%)	I (%)	T (%)
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	Ground Surface Elev. _____ ft						
0	Gray Micaceous SHALE with some Layering	400.50					
0		38	28	6			
0		50					
0		38	28	12			
0		38	28	12			
0		38	28	13			
0		38	28	13			
0		38	28	11			
0		38	28	19			
0		38	28	22			
0		38	28	15			
0		38	28	17			
0	390.50						
0	End of Boring and Rock Core						
0		60					

Color pictures of the cores _____ Upon Request
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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Division of Highways
SOIL BORING LOG
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Date 6/14/06

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart
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 (P1) / 014-0030 (E)
Station 385+83 (E)
BORING NO. 1 W. Abut
Station 387+86
Offset 15.00ft Right
Ground Surface Elev. 448.4 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	O (%)	S (%)	I (%)	T (%)
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	Ground Surface Elev. _____ ft						
0	Dark Gray Mottled CLAY (continued)	11	2.44	21			
0		19	B20				
0	403.9						
0	Light Blue SHALE	50		18			
0		154	NC				
0	400.4						
0		50	NC	17			
0	End of Boring						
0		50					
0		55					

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BBS, from 137 (Rev. 8-99)

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SOIL BORING LOG
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Date 6/6/06

ROUTE FAS 1780 DESCRIPTION Old US 50 over Sugar Creek LOGGED BY Earline Stewart
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 (P1) / 014-0030 (E)
Station 385+83 (E)
BORING NO. 2 Pier 4
Station 387+19
Offset 13.00ft Left
Ground Surface Elev. 448.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (ft)	M (%)	O (%)	S (%)	I (%)	T (%)
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	Ground Surface Elev. _____ ft						
0	Light Gray Silty Clay LOAM (continued)	3	0.85	22			
0	A-4(8)	4	B20				
0	See Classification @ 40 ft						
0	403.5						
0	Weathered SHALE			23			
0		50					
0	401.5						
0	Light Blue CLAY	50		22			
0		50	NC	26			
0		50		19			
0	Borehole continued with rock coring						
0		50					
0		55					

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

PLOT DATE: *DATE-TIME* Klingner & Assoc., P.C.

DATE-TIME
DATE-TIME
DATE-TIME
DATE-TIME