STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

Page 1 of 2

Date 9/16/08

ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2023 (E) Station 106+50

BORING NO. C 1 Station 105+00 Offset 50.00ft RT Ground Surface Elev. 464.7 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 452.7 ft Upon Completion ft After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Brown Silty Clay LOAM
460.7	2			
	1	1.25	25	
	1	P		
				Gray Mottled Silty Clay LOAM
458.2	1			
	1	0.33	32	
	1	B		
				Gray Silty Clay LOAM
	WH			
	WH	0.53	31	
	WH	P		
	WH			
	WH	0.35	32	
453.2	WH	S/15		
				Light Brown Mottled Silty Clay LOAM
	2			
	1	0.25	30	
	1	P		
	WH			
	WH	0.19	31	
448.2	4	S/5		
				Brown Silty Clay LOAM
	2			
	1	0.39	28	
	2	B		
445.7				Gray/Brown Mottled Silty Clay LOAM
	WH			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Gray/Brown Mottled Silty Clay LOAM *(continued)*
445.2	4	0.52	31	
	4	B/15		
				Gray Silty Clay LOAM
	3			
	3	0.81	29	
	3	S/20		
	3			
	3	0.65	26	
	4	S/20		
	3			
	3	1.15	27	
	4	S/20		
	3			
	4	0.98	26	
427.2	4	S/20		
				Brown/Gray Mottled Silty Clay LOAM A-6(9)
	4			
	4	1.37	22	
	6	S/20		
	3			

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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Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 452.7 ft Upon Completion ft After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	6	1.39	23	Brown/Gray Mottled Silty Clay LOAM *(continued)*
423.7	10	S/20		
				END OF BORING

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ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

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COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2023 (E) Station 106+50

BORING NO. C 2 Station 105+75 Offset 0.00ft CL Ground Surface Elev. 466.1 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 (%)	Soil Description
				Asphalt / Concrete
465.6				
		NS		Brown Mottled Silt LOAM A-6(8)
	3			
	5			
	2	0.87	33	
460.6	5	S/15		
				Gray Mottled SILT A-4(9)
	2			
	2	0.91	27	
	3	S/20		
	2			
	2	0.65	28	
454.6	3	S/20		
				Brown SILT A-4(8)
	0			
	1	0.35	30	
	2	S/15		
	WH			
	WH	0.49	29	
447.6	3	S/20		
				Gray Silt LOAM A-4(6)
	2			
	3	0.58	29	
443.1	3	S/20		
	WH			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	2	0.49	30	Gray Silt LOAM A-4(6) *(continued)*
	4	B		
	2			
	3	0.49	28	
	3	S/20		
	3			
	3	0.65	27	
	4	B		
	3			
	4	0.91	25	
	5	S/20		
	0			
	3	0.98	24	
	4	B		
433.1				Brown Mottled Silty Clay TILL A-6(9)
	4			
	7	1.47	17	
429.1	11	S/20		
				Gray Very Weathered SHALE
	24			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2023 (E) Station 106+50

BORING NO. C 2 Station 105+75 Offset 0.00ft CL Ground Surface Elev. 466.1 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 (%)	Soil Description
	15	4.5+	20	Gray Very Weathered SHALE *(continued)*
425.1	20	P		
				END OF BORING

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 9/11/08

ROUTE FAP 600 DESCRIPTION Box Culvert between South Morrison and Cherokee LOGGED BY S. Wiszkon

SECTION 60-(30,31,128)-1 LOCATION SEC. 4, TWP. 2N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-2023 (E) Station 106+50

BORING NO. C 3 Station 106+70 Offset 50.00ft LT Ground Surface Elev. 482.0 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 (%)	Soil Description
				Gray Silty Clay LOAM
	6			
	5	1.52	19	
	4	S/15		
	3			
	1	0.81	27	
	3	S/20		
	3			
	2	1.04	27	
459.0	3	S/20		
				Brown Silty Clay LOAM
	2			
	1	0.35	29	
	1	S/15		
	0			
	2	0.49	28	
448.0	2	B		
				Gray Silty Clay LOAM
	0			
	3	0.19	28	
	3	S/5		
	2			
	3	0.55	28	
	2	S/20		
434	3			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Gray Silty Clay LOAM *(continued)*
	2	0.52	29	
	4	S/15		
	3			
	3	0.96	27	
	4	S/20		
	3			
	4	1.56	26	
	5	S/20		
	3			
	4	0.98	26	
	5	S/20		
	3			
	4	0.77	25	
429.5	5	S/10		
				Gray/Blue/Brown Mottled Silty Clay LOAM A-6(9)
	3			
	5	0.77	19	
426.0	7	S/10		
				END OF BORING

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)

DESIGNED	KRG
CHECKED	MJK
DRAWN	GSJ
CHECKED	MJK

BORING LOGS
STRUCTURE NO: 082-2044

MID-AMERICA ENGINEERING SERVICES

SHEET NO. 15	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15 SHEETS	600	60-(30,31,128)-1	St. Clair	399	256
		STRUCTURE NO: 082-2044		CONTRACT NO. 76830	
		FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT	