STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

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Date 8/23/08

ROUTE FAP 600 DESCRIPTION Retaining Wall at 531 Vandalia Avenue LOGGED BY E. Stewart

SECTION 60-(30,31,128)-1 LOCATION SEC. 27, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. N/A
Station N/A

BORING NO. RW 6
Station 181+87
Offset 38.00ft LT
Ground Surface Elev. 550.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry Hole ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Light Brown Silt LOAM	548.5			0.00	17
				0.50	19
Light Gray Silt LOAM				1.00	22
				1.00	25
		-5		1.50	26
				0.30	28
				0.50	29
				0.50	28
				0.00	28
	540.5	-10		0.30	27
END OF HAND AUGER					
Pocket Penetrometer used for Qu		-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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Date 3/30/09

ROUTE FAP 600 DESCRIPTION Retaining Wall at 531 Vandalia Avenue (Sta. 181+90 to 183+26) LOGGED BY SLW / JH

SECTION 60-(30,31,128)-1 LOCATION SEC. 27, TWP. 3N, RNG. 8W, 3 PM

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

STRUCT. NO. N/A
Station N/A

BORING NO. RW F
Station 182+00
Offset 4.00ft LT
Ground Surface Elev. 544.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 530.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt (2"), Concrete (9.5")	543.5				
Brown Silty Clay LOAM			4		
			3	0.33	22
			4	S/20	
		-5	5		
			3	0.69	25
Mottled with Gray			6	S/15	
			4		
Gray			3	0.65	26
			5	B/20	
		-10	3		
			7	2.08	26
			4	S/15	
	533.0				
Brown Silty CLAY			1		
			2	0.49	28
			1	B/20	
		▼ -15	2		
			2	0.65	29
			3	B/20	
			2		
			3	0.33	30
			2	B/20	
Gray		-20	2		
Brown Silty CLAY *(continued)*	523.5		4	1.30	28
			4	B/20	
END OF BORING		-25			
		-30			
		-35			
		-40			

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ROUTE FAP 600 DESCRIPTION Retaining Wall at 531 Vandalia Avenue (Sta. 181+90 to 183+26) LOGGED BY E. Stewart

SECTION 60-(30,31,128)-1 LOCATION SEC. 27, TWP. 3N, RNG. 8W, 3 PM

COUNTY Madison / St. Clair DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO. N/A
Station N/A

BORING NO. RW 7
Station 182+75
Offset 38.00ft LT
Ground Surface Elev. 553.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry Hole ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown Silty Clay LOAM				0.25	19
A-7-6(11)	552.9				
See Classification @ 0 ft				0.50	17
Light Brown Silty CLAY	551.9				
A-6(10)				1.75	22
See Classification @ 1 ft					
Medium Brown Silty CLAY					
A-7-6(17)				0.50	24
See Classification @ 3 ft					
	548.9	-5		1.20	26
Light Brown SILT				0.00	26
A-4(8)				0.10	25
See Classification @ 7 ft				0.00	30
				0.00	27
	543.9	-10		1.70	28
END OF HAND AUGER					
Pocket Penetrometer used for Qu		-15			
		-20			

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)

DESIGNED	KRG
CHECKED	MJK
DRAWN	GSJ
CHECKED	MJK

MID-AMERICA ENGINEERING SERVICES

BORING LOGS

SHEET NO. 10	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11 SHEETS	600	60-(30,31,128)-3	Madison	529	528
	Structure No. 060-W007		CONTRACT NO. 76B85		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		