STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 304	5BR-2	CALHOUN	68	51
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 27
28 SHEETS

Contract #76948

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3

Date 11/8/08

ROUTE FAP 304 DESCRIPTION IL 100 over Crawford Creek LOGGED BY S. Wiszkon

SECTION 5BR-2 LOCATION SW 1/4, SEC. 11, TWP. 8S, RNG. 2W, 4 PM

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

STRUCT. NO. 007-0004 (E) / 007-0027 (P)
Station 467+55

BORING NO. SB 1 S. Abut
Station 466+68
Offset 12.00ft Right
Ground Surface Elev. 436.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 412.5 ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Gray SILT		7		
		6	1.36	21
		5	S/20	
	-5	4		
		4	1.25	23
		5	P	
		5		
		5	1.37	22
		6	P	
	-10	5		
		6	1.13	22
		7	P	
	424.5			
Dark Gray Silt LOAM		2		
		3	0.81	25
		4	S/20	
	422.0			
Dark Gray SILT	-15	3		
		5	0.65	25
		6	S/20	
		4		
		3	2.25	24
	417.5	3	P	
Dark Gray / Brown Silty Clay LOAM	-20	WH		
Dark Gray / Brown Silty Clay LOAM (continued)		2	0.39	25
		2	S/20	
		WH		
		4	0.52	37
Cobble	412.5	5	S/20	
Black Clay TILL	-25	3		
		2	3.83	20
		3	P	
	409.5			
Gray Silty Clay LOAM		4		
		4	0.98	20
	407.5	10		
Well Graded Brown SAND See Gradation @ 30 ft & 35 ft	-30	1		
		1		15
		5	NC	
	-35	7		
		15		13
		24	NC	
End of Drilling - 11/8	400.0			
Brown Fine to Medium SAND See Gradation @ 40 ft. Resume Drilling - 11/9 Begin Tri-Cone & Rotary Mud	-40	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, Form 137 (Rev. 8-98)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 3

Date 11/8/08

ROUTE FAP 304 DESCRIPTION IL 100 over Crawford Creek LOGGED BY S. Wiszkon

SECTION 5BR-2 LOCATION SW 1/4, SEC. 11, TWP. 8S, RNG. 2W, 4 PM

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

STRUCT. NO. 007-0004 (E) / 007-0027 (P)
Station 467+55

BORING NO. SB 1 S. Abut
Station 466+68
Offset 12.00ft Right
Ground Surface Elev. 436.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 412.5 ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Fine to Medium SAND (continued)	385.5	4		16
		3	NC	25
Gray Silty CLAY			1.373 B/20	
	-5	8		
Sand Lens		8	1.55	28
		6	B/20	
End Tri-Cone & Rotary Mud				
	388.5			
Gray Silty Clay LOAM				
	-30	3		
		5	0.78	30
		5	B/20	
	383.5			
Gray Silty CLAY				
	-40	4		
		5	0.61	32
		7	B/20	
	379.0			
Gray SHALE	378.0	50/NP	NS	--
Borehole continued with rock coring.	-50			

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, Form 137 (Rev. 8-98)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK BORING LOG

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Date 11/8/08

ROUTE FAP 304 DESCRIPTION IL 100 over Crawford Creek LOGGED BY S. Wiszkon

SECTION 5BR-2 LOCATION SW 1/4, SEC. 11, TWP. 8S, RNG. 2W, 4 PM

COUNTY Calhoun CORING METHOD

STRUCT. NO. 007-0004 (E) / 007-0027 (P)
Station 467+55

CORING BARREL TYPE & SIZE

Core Diameter 2 in

BORING NO. SB 1 S. Abut
Station 466+68
Offset 12.00ft Right
Ground Surface Elev. 436.0 ft

Top of Rock Elev. 378.30 ft
Begin Core Elev. 378.00 ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray SHALE	378.00	1	88	81	6	
	-80	1	88	81	5	
		1	88	81	8	
		1	88	81	9	
		1	88	81	17	
Lost Water	373.00					
End of Boring and Rock Core						
Moved Boring Location off Structure & Approach Pavement due to Concrete	-85					
	-70					
	-75					

Color pictures of the cores Yes
Cores will be stored for examination until indefinitely
The "Strength" column represents the unixial compressive strength of the core sample (ASTM D-2938)

BBS, Form 136 (Rev. 8-98)

DESIGNED	YSS
CHECKED	RLM
DRAWN	AEC
CHECKED	RLM

02/27/08

MODJESKI and MASTERS
Consulting Engineers
SINCE 1893

BORING LOGS
IL. ROUTE 100 OVER
CRAWFORD CREEK
F.A.P. ROUTE 304 - SECTION 5BR-2
CALHOUN COUNTY
STATION 467+59.00
STRUCTURE NO. 007-0027