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 — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

Page 1 of 3

Date 11/8/06

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Gray SILT			
	7		
	5	1.66	21
	5	S/20	
-5	4		
	4	1.25	23
	5	P	
	5		
	5	1.37	22
	6	P	
-10	5		
	5	1.13	22
	7	P	
424.6			
Dark Gray Silt LOAM	2		
	3	0.81	25
	4	S/20	
422.0			
Dark Gray SILT	3		
-18	5	0.65	25
	6	S/20	
	4		
	3	2.25	24
417.5	3	P	
Dark Gray / Brown Silty Clay LOAM	WH		
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Gray / Brown Silty Clay LOAM (continued)	2	0.39	29
	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
407.6	10		
Well Graded Brown SAND See Gradation @ 30 ft & 35 ft			
-30	1		
	1		15
	5	NC	
	7		
-35			
	15		13
End of Drilling - 11/8 400.0	24	NC	
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. 8-99)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

Page 2 of 3

Date 11/8/06

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Fine to Medium SAND (continued) 395.5	4		15
	3	NC /	25
Gray Silty CLAY		1.373	
		B/20	
-45	8		
Sand Lens	8	1.55	28
End Tri-Cone & Rotary Mud	8	B/20	
385.5			
Gray Silty Clay LOAM			
-50	3		
	5	0.78	36
385.5	5	B/20	
Gray Silty CLAY			
-55	4		
	5	0.61	32
	7	B/20	
379.8			
Gray SHALE 379.0	50/NP	NS	--
Borehole continued with rock coring.			
-60			

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. 8-99)

Illinois Department of Transportation — ROCK BORING LOG

Division of Highways
Illinois Department of Transportation

Page 3 of 3

Date 11/8/06

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 ____

BORING NO. SB 1 S. Abut
Station 455+58
Offset 12.00ft Right
Ground Surface Elev. 435.0 ft

Core Diameter 2 in
Top of Rock Elev. 378.00 ft
Begin Core Elev. 378.00 ft

DEPTH (ft)	CORE (ft)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
378.00					
Gray SHALE	1	88	81	6	
-80	1	88	81	5	
	1	88	81	6	
	1	88	81	9	
Lost Water 373.00	1	88	81	17	
End of Boring and Rock Core					
Moved Boring Location off Structure & Approach Pavement due to Concrete					
-95					
-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 138 (Rev. 8-99)

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