ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 317	36-BR	IROQUOIS	21	18
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 10

10 SHEETS

CONTRACT NO. 66171

Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 8/23/99

ROUTE FAS 317(US45) DESCRIPTION US 45 OVER A CREEK NEAR GILMAN LOGGED BY K.W.

SECTION 36-BR LOCATION NE1/4, SEC. 31, TWP. 27N, RNG. 14W, 2nd PM

COUNTY IROQUOIS DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 038-0040 EXISITING / 038-2015 NEW
Station 1250+85.00

BORING NO. 2 NORTH ABUT.
Station 1250+31
Offset 30.50ft LT
Ground Surface Elev. 636.74 ft

Surface Water Elev. 628.51 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown SILTY CLAY to Gray CLAY			1		
			2		–
			2	–	
	632.24				
Stiff Gray CLAY		–5	2		
			2	1.3	26.0
			3	B	
	630.24				
Hard Gray SILTY CLAY TILL			8		
			7	5.3	18.0
			7	B	
	627.74				
Very Stiff Gray SILTY CLAY to CLAY TILL		–10	3		
			6	3.6	18.0
			5	B	
	625.24				
Very Stiff Gray CLAY TILL			3		
			3	2.4	23.0
			4	B	
	622.74				
Stiff Gray CLAY TILL		–15	4		
			3	1.7	24.0
			4	B	
			WOH		
			2	1.3	25.0
			4	B	
		–20			
Stiff Gray CLAY TILL (continued)	616.24		2	1.6B	25.0
Stiff Gray SILTY CLAY TILL			2	1.5B	18.0
			5		
	613.74				
Soft to Medium Gray CLAY TILL					
		–25	2		
			5	0.5	25.0
			5	P	
	608.74				
Very Stiff Gray CLAY TILL					
		–30	1		
			3	2.4	24.0
			5	B	
	602.24				
Very Stiff Gray CLAY		–35	2		
			4	2.2	26.0
			8	B	
		–40			

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

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 8/23/99

ROUTE FAS 317(US45) DESCRIPTION US 45 OVER A CREEK NEAR GILMAN LOGGED BY K.W.

SECTION 36-BR LOCATION NE1/4, SEC. 31, TWP. 27N, RNG. 14W, 2nd PM

COUNTY IROQUOIS DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 038-0040 EXISITING / 038-2015 NEW
Station 1250+85.00

BORING NO. 2 NORTH ABUT.
Station 1250+31
Offset 30.50ft LT
Ground Surface Elev. 636.74 ft

Surface Water Elev. 628.51 ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Gray CLAY (continued)			2	2.7	24.0
			4	B	
			8		
		–45	4		
			5		25.0
			7	–	
		–50	4		
			6	3.8	26.0
			9	B	
	583.74				
Very Stiff Gray CLAY with SILT Layers					
		–55	4		
			6	3.9	21.0
			9	B	
	579.74				
Stiff Gary VARVED CLAY					
		–60			
Stiff Gray VARVED CLAY (continued)			2	1.1	35.0
			5	B	
			6		
	573.74				
Stiff Gray SILTY CLAY LOAM TILL					
		–65	2		
			4	1.2	16.0
			5	B	
		–70	2		
			3	1.5	16.0
	565.74		6	B	
End of Boring					
		–75			
		–80			

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)

BORINGS
F.A.S. 317 (U.S. RTE 45) OVER
TRIBUTARY TO SPRING CREEK
SECTION 36-BR
IROQUOIS COUNTY
STATION 1250+85.00
STRUCTURE NO. 038-2015

DESIGNED	R.K.M.
CHECKED	M.E.B.
DRAWN	P.W.S.
CHECKED	M.E.B.

R C ENGINEERS, LTD.
CONSULTING ENGINEERS - SPRINGFIELD, ILLINOIS

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