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

Page 1 of 2

Date 8/2399

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

SECTION 36-BR LOCATION NE¼, 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

	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			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
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 8/2399

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

SECTION 36-BR LOCATION NE¼, 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

	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			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
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)

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

98-76/038-2015/10boring.dgn

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

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

...\10boring.dgn 5/4/2005 4:19:48 PM