ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 317	36-BR	IROQUOIS	21	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 9
10 SHEETS

CONTRACT NO. 66171

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 8/2099

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. 1 SOUTH ABUT.
Station 1251+23
Offset 31.00ft LT
Ground Surface Elev. 636.46 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 (%)
Gray-Brown CLAY				
		3		
633.96				
Stiff Gray-Brown CLAY with SANDY Layers Below 4'		2	1.0	31.0
		4	P	
	-5	1		
		3	1.0	20.0
		3	P	
629.96				
Hard Gray SILTY CLAY TILL		1		
		6	5.3	18.0
		7	B	
627.46				
Very Stiff Gray CLAY TILL	-10	3		
		4	3.3	21.0
		7	B	
		2		
		3	2.4	22.0
		4	B	
622.46				
Stiff Gray CLAY TILL	-15	2		
		2	1.8	24.0
		4	B	
		1		
		2	1.3	24.0
617.96		3	B	
Stiff Gray SILTY CLAY TILL				
	-20			
Stiff Gray SILTY CLAY TILL (continued)		1	1.3	25.0
		2	B	
		4		
		1		
613.46		3	1.8	24.0
Medium Gray SILT with 4" Layer of Gray TILL at 25'		7	-	25.0
	-25	3		
		3		25.0
		4	-	
		2		
608.46		3	1.3	24.0
Stiff Gray CLAY TILL		3	B	
606.46	-30	2		
Very Stiff Gray SILTY CLAY TILL		3	2.4	24.0
		6	B	
604.46				
Stiff Gray CLAY TILL		1		
		4	1.8	23.0
		6	B	
602.46				
Very Stiff Gray CLAY	-35	WOH		
		4	1.8	25.0
		5	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

Date 8/2099

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. 1 SOUTH ABUT.
Station 1251+23
Offset 31.00ft LT
Ground Surface Elev. 636.46 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	2.9	24.0
		4	B	
		8		
591.46	-45	3		
Medium Gray SILT		5		22.0
		9	-	
588.46				
Stiff to Very Stiff Gray VARVED CLAY				
	-50	2		
		4	2.2	27.0
		6	B	
	-55	1		
		3	1.8	34.0
		3	B	
591.46				
Medium Gray VARVED CLAY				
	-60			
Medium Gray VARVED CLAY (continued)		WOH	0.9	37.0
		5	B	
		6		
573.46				
Stiff Gray SILTY CLAY LOAM TILL				
	-65	3		
		6	1.8	15.0
		8	B	
569.46				
Very Stiff Gray SILTY CLAY LOAM TILL				
	-70	5		
		8	2.4	22.0
565.46		10	S	
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.

98-16/038-2015/9boring.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