Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 8/1/04

ROUTE FAI 80 DESCRIPTION P92-037-03 I-80 over East Bureau Creek, 1.2 m. E. of I-180 LOGGED BY C. Jenkins

SECTION 06-6B, 6F LOCATION Selby Twp. - 5 SE, SEC. , TWP. 16N, RNG. 10E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-3
Station 1435+30
Offset 10.00ft Rt CL
Ground Surface Elev. 662.0 ft

Surface Water Elev. 634.8 ft
Stream Bed Elev. 632.3 ft

Groundwater Elev.:
First Encounter 634.5 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF brown SILTY LOAM			5 8 10	3.3 B	13
	620.50				
STIFF brown SILTY LOAM TILL			4 6 9	1.9 B	12
	618.00				
		-45			
VERY STIFF brown SILTY LOAM TILL			6 10 10	2.5 S	12
	615.50				
Same as above			4 8 10	2.5 B	11
	613.00				
		-50			
STIFF brown SILTY LOAM TILL			4 6 8	1.7 B	12
	610.50				
Same as above			1 4 6	1.8 B	12
	608.00				
		-55			
SOFT gray SILT			2 3 5	0.4 B	20
	605.50				
HARD brown/tan SILTY LOAM TILL			4 8 13	5.1 S	23
	603.00				
		-60			
STIFF tan SILTY LOAM TILL			4 7 7	1.1 B	22
	600.50				
STIFF gray/green SILTY LOAM TILL			2 5 7	1.6 B	18
	598.00				
		-65			
VERY STIFF gray/green SANDY LOAM TILL			4 8 13	3.9 S	15
	595.00				
DENSE tan SAND with some GRAVEL			8 16 16		
	593.00				
		-70			
MEDIUM tan SANDY GRAVEL			7 9 9		
	590.50				
Begin Wash Same as above			4 7 13		
	588.00				
		-75			
Wash VERY DENSE tan/gray dirty SANDY GRAVEL			10 21 35		
	585.50				
VERY DENSE gray well-cemented coarse SAND			100/4"		
	583.00				
End of Boring					
		-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)

Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

Page 1 of 3

Date 8/5/04

ROUTE FAI 80 DESCRIPTION P92-037-03 I-80 over East Bureau Creek, 1.2 m. E. of I-180 LOGGED BY C. Jenkins

SECTION 06-6B, 6F LOCATION Selby Twp. - 5 SE, SEC. , TWP. 16N, RNG. 10E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-4
Station 1434+90
Offset 10.00ft Lt WB CL
Ground Surface Elev. 661.7 ft

Surface Water Elev. 634.8 ft
Stream Bed Elev. 632.3 ft

Groundwater Elev.:
First Encounter 634.2 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Air					
		-5			
		-10			
		-15			
		-20			
Air (continued)					
		-25			
	634.20 ▼				
Water	633.70				
VERY SOFT gray/black SANDY LOAM			0 1 0	0.2 P	19
	631.70	-30			
MEDIUM gray SAND & GRAVEL			2 3 10		
	629.20				
HARD brown SILTY CLAY TILL			9 15 20	6.2 B	11
	627.20	-35			
Same as above			19 25 29	6.7 S	11
	624.70				
HARD brown SILTY LOAM TILL			16 18 20	6.2 S	9
	622.20	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 8/5/04

ROUTE FAI 80 DESCRIPTION P92-037-03 I-80 over East Bureau Creek, 1.2 m. E. of I-180 LOGGED BY C. Jenkins

SECTION 06-6B, 6F LOCATION Selby Twp. - 5 SE, SEC. , TWP. 16N, RNG. 10E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station

BORING NO. B-4
Station 1434+90
Offset 10.00ft Lt WB CL
Ground Surface Elev. 661.7 ft

Surface Water Elev. 634.8 ft
Stream Bed Elev. 632.3 ft

Groundwater Elev.:
First Encounter 634.2 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HARD brown SILTY LOAM TILL			9 10 12	4.5 B	12
	619.70				
VERY STIFF brown SILTY LOAM TILL			5 7 9	2.7 B	12
	617.20	-45			
Same as above			5 7 8	2.1 S	12
	614.70				
STIFF brown SILTY LOAM TILL			3 6 8	1.5 B	12
	612.20	-50			
Same as above			3 5 7	2.0 B	12
	609.70				
Same as above			0 1 4	1.1 B	14
	607.20	-55			
Same as above			2 5 8	1.1 B	13
	604.70				
Same as above			1 3 6	1.2 P	13
	602.20	-60			
MEDIUM tan SILTY CLAY			4 5 7	0.8 B	23
	599.70				
VERY STIFF tan SILTY CLAY TILL			1 4 7	2.3 B	17
	597.20	-65			
HARD tan SILTY LOAM TILL			5 9 12	5.1 S	12
	594.70				
VERY STIFF green SANDY LOAM TILL			3 8 13	3.3 S	14
	592.20	-70			
VERY STIFF gray/green SHALEY CLAY			5 9 13	2.1 S	15
	589.70				
Same as above			6 9 12	2.9 S	14
	586.70	-75			
DENSE tan SAND & GRAVEL under green/blue SHALEY CLAY			6 12 22		
	584.70				
DENSE tan/gray dirty well-cemented SAND & GRAVEL			7 11 25		
	582.20	-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)

PLOT DATE = 09/08/2009
FILE NAME = ...80060172.0173-66908-040-045-boring-logs.dgn
PLOT SCALE = 0.1.029397 '1" / IN.
USER NAME = CFC.

BORING LOGS
SN 006-0172 (EB) & SN 006-0173 (WB)

Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

PROJECT No.	05061
SCALE	
DATE	6/25/09
DESIGN BY	RM/MCB
DRAWN BY	TFG
CHECKED BY	MCB

SHEET NO. 42
45 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUREAU	344	195
		CONTRACT NO. 66908		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

*06-[7BR & BR-1, 7VB-M, 6BR & 6, 7 RS-1 & I]