STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14VBR-2 & 14VBR-3	BUREAU	219	136
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 32
35 SHEETS

Contract No. 66731

Illinois Department of Transportation
Division of Highways
District – Materials

SOIL BORING LOG

Page 1 of 2

ROUTE FAI 80 DESCRIPTION P92-088-94 I-80 bridge over BNRR, 1.2 m. W. of LaSalle Co. Date 3/21/05
SECTION 6-14VB-3 LOCATION Hall Twp. - NSE, 23NE, SEC., TWP. 15N, RNG. 11E LOGGED BY J. Strating
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic
STRUCT. NO. 006-3637
Station 413+24.78
BORING NO. B-1a
Station 413+92
Offset 45.00ft Rt CL Med.
Ground Surface Elev. 636.60 ft

Surface Water Elev. ft
Stream Bed Elev. 629.70 ft
Groundwater Elev.:
First Encounter 574.1 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	WOIST (%)
Through Bridge Deck				
	-5			
	-10			
	-15			
	-20			
Through Bridge Deck (continued)				
	624.10			
MEDIUM brown SANDY LOAM with GRAVEL				6.0
	611.60 -25	2		
		4		9.0
MEDIUM brown SANDY LOAM with GRAVEL		3		
	610.10			
VERY STIFF brown SILTY CLAY LOAM TILL		1		
		3	2.1	13.0
	607.60	6	B	
	-30	5		
VERY STIFF brown SILTY CLAY LOAM TILL		6	2.7	16.0
	605.10	7	B	
HARD gray/brown SILTY CLAY LOAM TILL		5		
		9	5.6	14.0
	602.60	13	B	
	-35	6		
HARD gray SILTY CLAY TILL		10	4.1	15.0
	600.10	13	B	
VERY STIFF gray SILTY CLAY TILL		5		
		6	2.9	17.0
	597.60	10	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)

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ROUTE FAI 80 DESCRIPTION P92-088-94 I-80 bridge over BNRR, 1.2 m. W. of LaSalle Co. Date 3/21/05
SECTION 6-14VB-3 LOCATION Hall Twp. - NSE, 23NE, SEC., TWP. 15N, RNG. 11E LOGGED BY J. Strating
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic
STRUCT. NO. 006-3637
Station 413+24.78
BORING NO. B-1a
Station 413+92
Offset 45.00ft Rt CL Med.
Ground Surface Elev. 636.60 ft

Surface Water Elev. ft
Stream Bed Elev. 629.70 ft
Groundwater Elev.:
First Encounter 574.1 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	WOIST (%)
VERY STIFF gray SILTY CLAY TILL		3		
		6	3.5	20.0
	595.10	10	B	
VERY STIFF gray SILTY CLAY TILL		2		
		5	3.3	20.0
	592.60	10	B	
	-45			
VERY STIFF gray SILTY CLAY TILL		5		
		7	2.7	20.0
	590.10	10	B	
VERY STIFF gray SILTY CLAY TILL		4		
		7	3.1	15.0
	587.60	11	B	
	-50			
HARD gray SILTY CLAY TILL		4		
		8	4.5	15.0
	585.10	17	B	
VERY STIFF gray SILTY CLAY LOAM TILL		5		
		7	2.3	16.0
	582.60	15	B	
	-55			
VERY STIFF gray SILTY CLAY LOAM TILL		4		
		8	2.3	18.0
		16	B	
	579.60			
VERY DENSE brown medium SAND with GRAVEL		12		
		29		
	577.60	24		
	-60			
DENSE brown coarse SAND with GRAVEL		12		
		27		
	575.10	15		
VERY LOOSE brown wet medium SAND with GRAVEL		2		
		2		
	572.10	3		
	-65			
MEDIUM gray SANDY LOAM		1		
		3	0.5	16.0
		5	P	
	569.60			
MEDIUM gray medium SAND with GRAVEL		3		
		7		
	567.60	21		
	-70			
DENSE gray medium SAND with GRAVEL		12		
		16		
	565.10	23		
DENSE gray medium SAND with GRAVEL		16		
		21		
	562.60	22		
	-75			
DENSE gray SAND & GRAVEL		16		
		17		
	560.10	16		
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)

BORING LOGS
F.A.I. RTE. 80 - SEC. 14VBR-2 & 14VBR-3
BUREAU COUNTY
STATION 413+39.84
STRUCTURE NO. 006-0167 (E.B.)
STRUCTURE NO. 006-0168 (W.B.)

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