STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 80	06 - 8HBR	BUREAU	165	92
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -		

SHEET NO. 21
22 SHEETS

Contract # 66641

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 11/14/05

ROUTE FAI 80 DESCRIPTION P92-065-05 IL 89 Bridge over I-80, 3/4 m. S. of Ladd LOGGED BY W. Garza

SECTION 06-8HBR LOCATION Hall Twp. - 15 SW, SEC. , TWP. 16N, RNG. 11E

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

STRUCT. NO. 006-0178 Prop.
Station

BORING NO. B-1
Station 242+31
Offset 1.00ft Rt CL
Ground Surface Elev. 676.10 ft

Surface Water Elev. ft
Stream Bed Elev. 78.00 ft

Groundwater Elev.:
First Encounter 628.6 ft ▼
Upon Completion 636.1 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY LOAM				1.0 P	23.0
	673.60				
VERY STIFF black LOAM			5		
			6 7	3.3 S	22.0
	672.10				
VERY STIFF gray SILTY CLAY LOAM		-5	4		
			7 10	3.3 B	24.0
	669.60				
STIFF gray SANDY LOAM			5		
			6 11	1.9 B	17.0
	667.10				
VERY STIFF dark gray SILTY LOAM		-10	4		
			5 6	3.1 S	22.0
	664.60				
STIFF gray SILTY CLAY			3		
			5 8	1.7 P	21.0
	662.10				
VERY STIFF gray SILTY CLAY		-15	5		
			5 9	2.1 B	25.0
	659.60				
VERY STIFF dark brown SILTY CLAY LOAM			5		
			7 11	3.9 B	20.0
	657.10				
		-20			
STIFF gray SILTY CLAY LOAM			4		
			6 7	2.0 B	25.0
	654.60				
STIFF gray LOAM			4		
			5 7	1.6 B	17.0
	651.60				
VERY STIFF gray/tan LOAM TILL		-25	5		
			6 7	2.9 B	15.0
	649.60				
VERY STIFF tan SILTY CLAY TILL			3		
			5 8	3.3 B	16.0
	647.10				
HARD redish brown SANDY LOAM TILL with fine SAND lens		-30	14		
			14 16	5.2 S	11.0
	644.60				
VERY STIFF gray/tan SILT with SAND lens			7		
			8 7	2.1 P	23.0
	641.60				
MEDIUM tan/gray dirty SAND & GRAVEL		-35	2		
			6 14		
	639.10				
VERY STIFF gray SILTY CLAY LOAM TILL			5		
			7 10	3.1 B	10.0
	637.10				
		▽-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
District #3, Ottawa

SOIL BORING LOG

Page 2 of 2

Date 11/14/05

ROUTE FAI 80 DESCRIPTION P92-065-05 IL 89 Bridge over I-80, 3/4 m. S. of Ladd LOGGED BY W. Garza

SECTION 06-8HBR LOCATION Hall Twp. - 15 SW, SEC. , TWP. 16N, RNG. 11E

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

STRUCT. NO. 006-0178 Prop.
Station

BORING NO. B-1
Station 242+31
Offset 1.00ft Rt CL
Ground Surface Elev. 676.10 ft

Surface Water Elev. ft
Stream Bed Elev. 78.00 ft

Groundwater Elev.:
First Encounter 628.6 ft ▼
Upon Completion 636.1 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY LOAM TILL			6		
			7 10	1.8 B	11.0
	634.60				
VERY STIFF gray SILTY CLAY LOAM TILL with SILT lens			9		
			9 14	2.3 B	12.0
	632.10				
STIFF gray SILTY CLAY LOAM TILL with SAND lens		-45	7		
			8 9	1.5 B	12.0
	629.60				
STIFF gray SANDY LOAM TILL		▼	4		
			6 9	1.6 B	12.0
	627.10				
VERY STIFF gray SANDY LOAM TILL		-50	3		
			6 10	2.3 B	12.0
	624.10				
VERY DENSE gray well-cemented SAND			37		
			100/3"		
	622.10				
VERY DENSE gray well-cemented dry SILT		-55	60		
			100/6"		
	619.60				
VERY DENSE gray well-cemented dry SILT					
			100/6"		
	617.10				
End of Boring		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 11/29/05

ROUTE FAI 80 DESCRIPTION P92-065-05 IL 89 Bridge over I-80, .75 m. S. of Ladd LOGGED BY W. Garza

SECTION 06-8HBR LOCATION Hall Twp. - 15 SW, SEC. , TWP. 16N, RNG. 11E

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

STRUCT. NO. 006-0178 Prop.
Station

BORING NO. B-2
Station 239+18
Offset 1.00ft Rt CL
Ground Surface Elev. 676.20 ft

Surface Water Elev. ft
Stream Bed Elev. 78.00 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF, asphalt median LOOSE, brown/gray SILTY CLAY LOAM				0.9 P	26.0
	673.70				
VERY STIFF dark gray SILTY CLAY LOAM with GRAVEL			5		
			7 10	3.7 B	20.0
	672.20				
VERY STIFF dark gray SILTY CLAY LOAM with GRAVEL		-5	4		
			4 5	2.5 B	20.0
	669.70				
VERY STIFF dark gray SILTY CLAY LOAM			4		
			7 11	2.9 B	23.0
	667.20				
VERY STIFF dark gray SILTY CLAY LOAM		-10	3		
			4 6	2.3 B	24.0
	664.70				
STIFF dark gray SILTY CLAY LOAM with ORGANICS			4		
			6 9	1.6 B	20.0
	662.20				
STIFF dark gray SILTY CLAY LOAM with ORGANICS		-15	2		
			3 5	1.7 B	22.0
	659.70				
VERY STIFF dark gray SILTY CLAY LOAM with GRAVEL			4		
			7 8	2.1 B	18.0
	657.20				
		-20			
VERY STIFF dark gray SILTY CLAY LOAM with ORGANICS, old concrete			4		
			7 100/3"	2.7 B	21.0
	654.70				
VERY STIFF Dark gray SILTY CLAY with fragments of concrete			8		
			24 8	4.0 P	23.0
	652.20				
VERY STIFF dark gray SILTY CLAY LOAM with GRAVEL		-25	4		
			6 8	2.2 P	24.0
	649.70				
STIFF dark gray SILTY CLAY LOAM			3		
			3 4	1.7 B	23.0
	646.70				
VERY STIFF dark gray SILTY CLAY LOAM TILL		-30	4		
			5 8	2.5 B	16.0
	644.70				
VERY STIFF dark gray SILTY CLAY LOAM TILL			8		
			8 10	3.7 B	11.0
	642.20				
STIFF gray SILTY LOAM TILL		-35	2		
			4 8	1.8 B	17.0
	639.70				
STIFF gray SILTY CLAY LOAM TILL			4		
			6 8	2.0 B	10.0
	637.20				
		-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)

DESIGNED	BPS
CHECKED	BHS
DRAWN	RRC
CHECKED	GSP

BORING LOGS (1 OF 2)

IL ROUTE 89 OVER
FAI ROUTE 80 (I-80)
SECTION 06-8HBR
BUREAU COUNTY
STATION 3702+69.82
STRUCTURE NO. 006-0178

PLOT DATE = 7/30/2007
FILE NAME = e:\PROJECT\285480\P1_082\CADD\ILBPSR_BORI.late
PLOT SCALE = N/A
USER NAME = 2eujerb

ENTRAN