STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	(50-2) HBR	LaSALLE		176
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 34
35 SHEETS

Contract No. 86603

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 3 Materials

Page 1 of 1

Date 9492

ROUTE FAI 80 DESCRIPTION IL 351 over I-80 LOGGED BY K. Whittington

SECTION 50-2HB-2 LOCATION South 12, SEC. 34, TWP. 34, RNG. 1, 3 PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0026 (existing)
Station 19+978.931

BORING NO. 3 Pier 1
Station 19+970.192
Offset 8.53m Rt CL EBL
Ground Surface Elev. 192.08 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m

Groundwater Elev.:
First Encounter ____ m
Upon Completion 187.1 m
After ___ Hrs. ____ m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Medium Brown Silty Clay Loam Till			3		
			7	77	12
			7	B	
	190.73				
Stiff Brown Silty Clay Loam Till		-1.5	1		
			5	96	11
			7	B	
	189.98				
Very Stiff Brown Silty Clay Loam Till			5		
			9	192	10
			13	B	
	189.23				
Very Stiff Gray Silty Clay Loam Till		-3.0	1		
			4	297	11
			6	B	
			4		
			7	259	13
			7	B	
		-4.5	2		
			5	211	13
			8	B	
	186.68		25	96	20
Very Stiff to Hard Gray Silty Clay Loam Till, some Gravel at 18' to 19'			22	B	
			37		7
		-6.0			
Very Stiff to Hard Gray Silty Clay Loam Till, some Gravel at 18' to 19' (continued)			5		
			12	287	15
			30	P	
	184.68	-7.5			
Hard to Very Stiff Weathered Gray & Red-Brown Shale			4		
			8	431	20
			12	B	
		-9.0	8		
			13	335	25
			19	B	
		-10.5	12		
			19	316	
	181.13		31	17	
		-12.0			

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 — SOIL BORING LOG

Division of Highways
District 3 Materials

Page 1 of 1

Date 9492

ROUTE FAI 80 DESCRIPTION IL 351 over I-80 LOGGED BY K. Whittington

SECTION 50-2HB-2 LOCATION South 12, SEC. 34, TWP. 34, RNG. 1, 3 PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0026 (existing)
Station 19+978.931

BORING NO. 4 Pier 1
Station 19+991.833
Offset 7.92m Rt CL EBL
Ground Surface Elev. 191.96 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m

Groundwater Elev.:
First Encounter ____ m
Upon Completion ____ m
After ___ Hrs. ____ m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Stiff Brown Silty Clay Loam Till			3		
			5	96	16
			3	P	
		-1.5	2		
			4	144	13
			4	B	
	189.86				
Stiff Gray Silty Clay Loam Till			2		
			4	125	12
			6	B	
	189.11				
Hard Gray Silty Clay Loam Till		-3.0	2		
			3	450	17
			6	B	
	188.36				
Very Stiff Gray Silty Clay Loam Till			2		
			4	335	22
			6	B	
		-4.5	3		
			5	259	15
			8	B	
	186.86				
Dense Brown/Gray Mixture of Loamy Gravel, Silty Clay Till & Weathered Shale			20		
Free Water @ 186.019			27		11
			22		
	186.11				
Hard Gray Silty Clay Till		-6.0			
Hard Gray Silty Clay Till (continued)			14		
			16	651	11
			20	B	
	184.46	-7.5			
Mixture of Hard Gray Silty Clay Loam Till, Coal and Weathered Shale			9		
			14	823	17
			19	P	
	182.96	-9.0			
Very Stiff Gray Blocky Silty Clay to Weathered Shale			14		
			19	335	20
			31	P	
		-10.5	30		
			16	335	21
	181.01		36	P	
		-12.0			

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 — SOIL BORING LOG

Division of Highways
District 3 Materials

Page 1 of 1

Date 92292

ROUTE FAI 80 DESCRIPTION IL 351 over I-80 LOGGED BY K. Whittington

SECTION 50-2HB-2 LOCATION South 12, SEC. 34, TWP. 34, RNG. 1, 3 PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0026 (existing)
Station 19+978.931

BORING NO. 5 Pier 2
Station 19+970.802
Offset 9.45m Lt CL EBL
Ground Surface Elev. 192.15 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m

Groundwater Elev.:
First Encounter ____ m
Upon Completion 187.3 m
After ___ Hrs. ____ m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gravel Fill & Black Silty Clay					
	191.40		8		16
Medium Yellow Brown Silt			10		
			10		19
	190.95				
Very Stiff Brown Silty Clay Loam Till		-1.5	4		
			7	287	14
			12	B	
	190.20				
Medium Brown Silty Loam Till			2		
1" Sand Seam			6	86	13
			8	B	
	189.15	-3.0	7	67	14
Very Stiff Gray Silty Clay Till			8	P	
			7	278	17
				B	
			3		
			3	230	23
			6	B	
		-4.5	3		
			4	192	26
			4	B	
	187.20				
Loose Wet Brown Sand & Gravel			WOH		
			6		18
			6		
	186.45				
		-6.0	20		
Dense Loamy Sand & Gravel with pieces of Limestone Cobbles & possibly Boulders (continued)			18		16
			16		
	185.55				
Mixture of Hard Silty Clay Till, Gravel & Shale			19	431	11
			34	P	
			--		
	184.95				
Hard Gray Silty Clay Till		-7.5	7		
			19	613	13
			20	P	
	183.15	-9.0	9		16
Very Stiff Gray Weathered Shale			20		
			24	230	23
				S	
		-10.5	10		
			25	335	21
	181.35		28	S	
		-12.0			

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)

BORING LOGS
F.A.I. RT. 80 - SEC. (50-2)HBR
LaSALLE COUNTY
STATION 62+39.22
STRUCTURE NO. 050-0230

...\projects\htp00025\050C230.dgn 11/29/2012 11:38:10 AM