

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 3 Materials

SOIL BORING LOG Page 1 of 2
Date 8/20/92

ROUTE F.A.I. 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.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (m)	DESCRIPTION	DEPTH (m)	TESTS	UNSATURATED UCS (kPa)	WATER CONTENT (%)	SHRINKAGE (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	SOIL CLASSIFICATION
050-0226 (existing)	19+978.931	1 South Abut.	19+983.908	37.80m Rt. CL Med	199.93		Loose Brown Silt (continued)	3							
							Loose Brown Loamy Gravel	192.43							
							Medium Black Silty Clay & Dark Gray Silty Clay Till (FILL)	197.68							
							Very Stiff Brown Silty Clay Loam Till (FILL)	196.93							
							Medium Brown Silty Clay Till (FILL)	196.18							
							Soft Brown Silty Clay Till (FILL)	194.98							
							Very Stiff Brown Silty Clay Till (FILL)	194.68							
							Stiff Brown Silty Clay	193.93							
							Loose Brown Silt	193.18							

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)

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050-0226 (existing)	19+978.931	1 South Abut.	19+983.908	37.80m Rt. CL Med	199.93		Very Stiff Gray Clay Till (continued)	186.73							
							Medium Gray Sand	186.13							
							Dense Gray Sand & Gravel with Free Water	184.93							
							Dense Gray Loamy Gravel	183.68							
							Stiff Gray Weathered Shale & Silty Clay Till	183.68							
							Dense Gray Shale - Bond Formation Pennsylvanian System	182.23							
							Very Stiff Gray Clay Till	182.08							
							Soft Gray Silty Clay Till	180.43							
							Loose Gray Silty (FILL)	194.98							
							Very Stiff Brown Silty Clay Till (FILL)	194.68							
							Stiff Brown Silty Clay	193.93							
							Loose Brown Silt	193.18							

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Date 8/21/92

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COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

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050-0226 (existing)	19+978.931	2 North Abut.	19+980.251	36.88m Lt. CL Med	199.03		Concrete Median & Black Silty Clay	198.28							
							Stiff Black Silty Clay (FILL)	197.68							
							Stiff Dark Gray Silty Clay Till (FILL)	196.93							
							Medium Gray Silty Clay Till (FILL)	196.18							
							Medium Brown Silty Clay Till (FILL)	195.13							
							Very Stiff Dark Gray Silty Loam (FILL)	194.68							
							Medium Gray/Brown Silty Clay (FILL)	193.93							
							Very Stiff Gray Clay Till	189.13							
							Medium Brown Silty Clay Till (FILL)	196.18							
							Stiff Gray Blocky Silty Clay (FILL)	193.18							

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050-0226 (existing)	19+978.931	2 North Abut.	19+980.251	36.88m Lt. CL Med	199.03		Dense Brown Sand & Gravel with Free Water (continued)	188.43							
							Mixture of Hard Gray Silty Clay Till & Weathered Micaceous Gray Shale	188.43							
							Hard Weathered Gray Shale	183.68							
							Pennsylvanian System	182.23							
							Dense Shale	182.08							

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