

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 3 Macomb

SOIL BORING LOG

Page 1 of 1
Date 9/23/92

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

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. 050-0236 (existing)
Station 19+978.931

BORING NO. 6 Pier 3
Station 19+991.833
Offset 10.35m Lt. CL W/S
Ground Surface Elev. 192.39 m (150 mm) (kPa) (%)

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (C)	TEMPERATURE (F)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUID LIMIT (%)	UNSATURATED PLASTIC LIMIT (%)	UNSATURATED SHREDDING INDEX	UNSATURATED STRENGTH INDEX	UNSATURATED STRENGTH INDEX
0	0	Bituminous Shoulder & Gravel Base											
191.64	191.64	Very Stiff Black Silty Clay											
191.34	191.34	Loose Brown Silt											
191.04	191.04	Very Stiff Brown Silty Clay Loam Till											
189.69	189.69	Stiff Gray Silty Clay Till											
188.39	188.39	Hard Weathered Gray Shale											
186.99	186.99	Medium Sand											
186.84	186.84	Hard Brown-Gray Silty Loam Till											
186.39	186.39												

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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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. 050-0236 (existing)
Station 19+978.931

BORING NO. 7 Pier 2
Station 19+987.871
Offset 1.99m Lt. CL Med
Ground Surface Elev. 192.05 m (150 mm) (kPa) (%)

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (C)	TEMPERATURE (F)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUID LIMIT (%)	UNSATURATED PLASTIC LIMIT (%)	UNSATURATED SHREDDING INDEX	UNSATURATED STRENGTH INDEX	UNSATURATED STRENGTH INDEX
190.55	190.55	Medium Brown Sandy Loam											
189.65	189.65	Very Stiff Gray Clay Till											
188.15	188.15	Stiff Gray Silty Clay Till											
187.55	187.55	Brown Sand & Gravel											
187.25	187.25	Hard Gray Silty Loam Till											
180.95	180.95	Dense Gray & Reddish Brown Shale											

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STRUCT. NO. 050-0236 (existing)
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BORING NO. 7 Pier 2
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Ground Surface Elev. 192.05 m (150 mm) (kPa) (%)

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE (C)	TEMPERATURE (F)	UNSATURATED SWELLING (%)	UNSATURATED SHRINKAGE (%)	UNSATURATED PLASTICITY INDEX	UNSATURATED LIQUID LIMIT (%)	UNSATURATED PLASTIC LIMIT (%)	UNSATURATED SHREDDING INDEX	UNSATURATED STRENGTH INDEX	UNSATURATED STRENGTH INDEX
176.90	176.90	Dense Gray & Reddish Brown Shale (continued)											
176.90	176.90												

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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