

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|------------------------|--------------------------|-------------------|--------------|-------------------|--------------|
| ROUTE NO. F.A.I. 80 | SECTION (50-2) HBR | COUNTY LaSALLE | SHEET 175 | PAGE 35 SHEETS | SHEET NO. 33 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | | FED. AID PROJECT- | |

Contract No. 86603

Page 1 of 2

Date 9/20/92

SOIL BORING LOG

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

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

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

| STRUCT. NO. Station | D E P T H S | B L O C K S | U C S | M O I S T U R E | Surface Water Elev. Stream Bed Elev. | Groundwater Elev.: First Encounter Upon Completion After 20 Hrs. | D E P T H S | B L O C K S | U C S | M O I S T U R E | Description | Elev. (m) | SPT (N) | UCS (kPa) | MOI (%) |
|-----------------------------------|----------------------------|----------------------------|-------------|--------------------------------------|---|---|----------------------------|----------------------------|-------------|--------------------------------------|--|-----------|---------|-----------|---------|
| | | | | | | | | | | | | | | | |
| 050-0026 (existing) 19+978.931 | | | | | | | | | | | Concrete Median & Black Silty Clay | | | | |
| | | | | | | | | | | | Loose Brown Silt (continued) | 192.43 | | | |
| | | | | | | | | | | | Loose Brown Loamy Gravel | | | | |
| | | | | | | | | | | | Medium Black Silty Clay & Dark Gray Silty Clay Till (FILL) | 198.28 | | | |
| | | | | | | | | | | | Very Stiff Brown Silty Clay Loam Till (FILL) | 197.68 | | | |
| | | | | | | | | | | | Medium Brown Silty Clay Till (FILL) | 196.93 | | | |
| | | | | | | | | | | | Soft Brown Silty Clay Till (FILL) | 196.18 | | | |
| | | | | | | | | | | | 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 | | | |

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 T208)
BBS, from 137 (Rev. 8-99)

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Date 9/20/92

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|-----------------------------------|----------------------------|----------------------------|-------------|--------------------------------------|---|---|----------------------------|----------------------------|-------------|--------------------------------------|--|-----------|---------|-----------|---------|
| | | | | | | | | | | | | | | | |
| 050-0026 (existing) 19+978.931 | | | | | | | | | | | Very Stiff Gray Clay Till (continued) | 186.73 | | | |
| | | | | | | | | | | | Dense Gray Sand & Gravel with Free Water | 186.13 | | | |
| | | | | | | | | | | | Dense Gray Loamy Gravel | 184.93 | | | |
| | | | | | | | | | | | Stiff Gray Weathered Shale & Silty Clay Till | 183.88 | | | |
| | | | | | | | | | | | Dense Gray Shale - Bond Formation Pennsylvanian System | 183.58 | | | |
| | | | | | | | | | | | Soft Gray Silty Clay Till | 182.22 | | | |
| | | | | | | | | | | | Very Soft Dark Gray Silty Loam (FILL) | 182.06 | | | |
| | | | | | | | | | | | Medium Gray/Brown Silty Clay (FILL) | 181.13 | | | |
| | | | | | | | | | | | Stiff Gray Blocky Silty Clay (FILL) | 180.78 | | | |
| | | | | | | | | | | | Dense Brown Sand & Gravel with Free Water | 180.33 | | | |
| | | | | | | | | | | | Loose Brown Silt | 179.38 | | | |

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COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

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|-----------------------------------|----------------------------|----------------------------|-------------|--------------------------------------|---|---|----------------------------|----------------------------|-------------|--------------------------------------|---|-----------|---------|-----------|---------|
| | | | | | | | | | | | | | | | |
| 050-0026 (existing) 19+978.931 | | | | | | | | | | | Concrete Median & Black Silty Clay | | | | |
| | | | | | | | | | | | Stiff Gray Blocky Silty Clay (FILL) (continued) | 192.43 | | | |
| | | | | | | | | | | | Soft Yellow-Brown & Gray Silty Clay | 192.28 | | | |
| | | | | | | | | | | | Stiff Black Silty Clay (FILL) | 192.28 | | | |
| | | | | | | | | | | | Stiff Dark Gray Silty Clay Till (FILL) | 192.28 | | | |
| | | | | | | | | | | | Medium Brown Silty Loam Till | 191.68 | | | |
| | | | | | | | | | | | Brown Loamy Gravel | 191.09 | | | |
| | | | | | | | | | | | Stiff Brown Silty Clay Till | 190.78 | | | |
| | | | | | | | | | | | Medium Brown Silty Clay Till (FILL) | 190.19 | | | |
| | | | | | | | | | | | Malum Brown Silty Clay Till (FILL) | 189.18 | | | |
| | | | | | | | | | | | Stiff Gray Clay Till | 189.13 | | | |
| | | | | | | | | | | | Very Soft Dark Gray Silty Loam (FILL) | 189.13 | | | |
| | | | | | | | | | | | Medium Gray/Brown Silty Clay (FILL) | 188.13 | | | |
| | | | | | | | | | | | Dense Brown Sand & Gravel with Free Water | 187.33 | | | |
| | | | | | | | | | | | Loose Brown Silt | 186.73 | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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|-----------------------------------|----------------------------|----------------------------|-------------|--------------------------------------|---|---|----------------------------|----------------------------|-------------|--------------------------------------|---|-----------|---------|-----------|---------|
| | | | | | | | | | | | | | | | |
| 050-0026 (existing) 19+978.931 | | | | | | | | | | | Dense Brown Sand & Gravel with Free Water (continued) | 186.43 | | | |
| | | | | | | | | | | | Mixture of Hard Gray Silty Clay Till & Weathered Micaceous Gray Shale | 186.43 | | | |
| | | | | | | | | | | | Hard Weathered Gray Shale | 183.88 | | | |
| | | | | | | | | | | | Pennsylvanian System | 182.22 | | | |
| | | | | | | | | | | | Dense Shale | 182.06 | | | |
| | | | | | | | | | | | Loose Brown Silt | 181.13 | | | |

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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