

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|---------|----------|------------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 28 31 SHEETS |
| F.A.P. 627 | (1)BR | LASALLE | 69 | 45 | |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | | |

Contract #66556

Illinois Department of Transportation SOIL BORING LOG Page 1 of 2
Date 3/10/04

ROUTE FAP 627(1) 71 DESCRIPTION West Abutment LOGGED BY Larry Meyers

SECTION 1BR LOCATION SW 14, SEC. 24, TWP. 33N, RING. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0242 Prop. Station 26+61.5

BORING NO. 10 Station 24+88
Offset 21.00ft Lt
Ground Surface Elev. 459.90 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | HAMMER TYPE | W | B | U | M | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter Upon Completion After Hrs. | Washed (ft) | H | S | Qu | T | (ft) | (#) | (%) | (%) |
|------------|---|-----------------|-------------|----|-----|---|---|--------------------------|-----------------------|------------------------|--|-------------|---|---|----|---|------|-----|-----|------|
| 0 | Augured Black Sandy Loam and RR Bed Gravel, Fill | | | WH | 0.5 | | | | | | | | | | | | | | | 24.3 |
| 457.40 | Brown Sand/Gravel (Fill) | | | WH | | | | | | | | | | | | | | | | 26.2 |
| 452.40 | Very Soft Black Silty Clay with Wood Pieces (Buried Ties) | | | WH | 0.3 | | | | | | | | | | | | | | | 24.9 |
| 429.40 | Medium Brown Loamy Fine Sand/Coarse Gravel | | | WH | 0.3 | | | | | | | | | | | | | | | 16.3 |
| 447.40 | Soft Gray Loamy Silty Loam with Minor Clay Layers | | | WH | 0.4 | | | | | | | | | | | | | | | 6.7 |
| 442.40 | Soft Brown Loamy Silty Loam | | | WH | 0.4 | | | | | | | | | | | | | | | 13.0 |

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

Illinois Department of Transportation SOIL BORING LOG Page 2 of 2
Date 3/10/04

ROUTE FAP 627(1) 71 DESCRIPTION West Abutment LOGGED BY Larry Meyers

SECTION 1BR LOCATION SW 14, SEC. 24, TWP. 33N, RING. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0242 Prop. Station 26+61.5

BORING NO. 10 Station 24+88
Offset 21.00ft Lt
Ground Surface Elev. 459.90 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | HAMMER TYPE | W | B | U | M | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter Upon Completion After Hrs. | Washed (ft) | H | S | Qu | T | (ft) | (#) | (%) | (%) |
|------------|---|-----------------|-------------|----|-----|---|---|--------------------------|-----------------------|------------------------|--|-------------|---|---|----|---|------|-----|-----|------|
| 415.40 | Dense Brown Loamy Fine Sand/Coarse Gravel | | | WH | 0.3 | | | | | | | | | | | | | | | 14.9 |
| 412.90 | Medium Brown Loamy Fine Sand/Coarse Gravel | | | WH | 0.3 | | | | | | | | | | | | | | | 4.8 |
| 392.90 | Hard Gray Clay Shale (continued) | | | | | | | | | | | | | | | | | | | 15.0 |
| 391.40 | Hard Gray and Black Clay Shale | | | | | | | | | | | | | | | | | | | 15.0 |
| 389.40 | End of Boring | | | | | | | | | | | | | | | | | | | 15.0 |
| 405.40 | Dense Brown Loamy Fine Sand/Coarse Gravel | | | WH | 0.3 | | | | | | | | | | | | | | | 11.7 |
| 402.90 | Very Stiff to Hard Gray Clay (Weathered and Reworked Shale) | | | WH | 0.4 | | | | | | | | | | | | | | | 21.0 |
| 400.40 | Hard Gray Clay Shale | | | | | | | | | | | | | | | | | | | 21.0 |

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BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 3
Date 2/28/04

ROUTE FAP 627(1) 71 DESCRIPTION East Abutment LOGGED BY Larry Meyers

SECTION 1BR LOCATION SW 14, SEC. 24, TWP. 33N, RING. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0242 Prop. Station 26+61.5

BORING NO. 11 Station 28+45
Offset 6.00ft Lt
Ground Surface Elev. 487.78 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | HAMMER TYPE | W | B | U | M | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter Upon Completion After Hrs. | Washed (ft) | H | S | Qu | T | (ft) | (#) | (%) | (%) |
|------------|--|-----------------|-------------|----|-----|---|---|--------------------------|-----------------------|------------------------|--|-------------|---|---|----|---|------|-----|-----|------|
| 487.78 | Concrete, Air | | | | | | | | | | | | | | | | | | | 12.7 |
| 463.28 | Stiff Black and Brown Loamy Sand, Sandy Loam and White Overlays Limestone Pieces Fill (continued) | | | WH | 0.5 | | | | | | | | | | | | | | | 13.5 |
| 463.28 | Stiff Brown Clay, Sandy Loam and Brown Fine to Coarse Sand (Fill) | | | WH | 0.5 | | | | | | | | | | | | | | | 16.8 |
| 455.78 | Stiff Dark Gray Sandy Loam with Layers of Fine to Coarse Sand, Silty Clay Loam (Alluvial Deposits) | | | WH | 0.5 | | | | | | | | | | | | | | | 11.8 |
| 470.28 | Stiff Black and Brown Loamy Sand, Sandy Loam and White Overlays Limestone Pieces Fill | | | WH | 0.5 | | | | | | | | | | | | | | | 16.3 |

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BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 2 of 3
Date 2/26/04

ROUTE FAP 627(1) 71 DESCRIPTION East Abutment LOGGED BY Larry Meyers

SECTION 1BR LOCATION SW 14, SEC. 24, TWP. 33N, RING. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0242 Prop. Station 26+61.5

BORING NO. 11 Station 28+45
Offset 6.00ft Lt
Ground Surface Elev. 487.78 ft

| DEPTH (ft) | SOIL DESCRIPTION | DRILLING METHOD | HAMMER TYPE | W | B | U | M | Surface Water Elev. (ft) | Stream Bed Elev. (ft) | Groundwater Elev. (ft) | First Encounter Upon Completion After Hrs. | Washed (ft) | H | S | Qu | T | (ft) | (#) | (%) | (%) |
|------------|--|-----------------|-------------|----|-----|---|---|--------------------------|-----------------------|------------------------|--|-------------|---|---|----|---|------|-----|-----|------|
| 445.78 | Stiff Dark Gray Sandy Loam with Layers of Fine to Coarse Sand, Silty Clay Loam (Alluvial Deposits) (continued) | | | WH | 0.5 | | | | | | | | | | | | | | | 13.9 |
| 445.78 | Medium Black/Gray Sandy Loam, Loam, Fine Sand/Coarse Gravel (Alluvial Deposits) | | | WH | 0.5 | | | | | | | | | | | | | | | 8.2 |
| 420.78 | Very Dense Brown Loamy Fine Sand/Coarse Gravel with Layers of Sand | | | WH | 0.5 | | | | | | | | | | | | | | | 13.2 |
| 438.28 | Very Loose Gray Fine Sand/Coarse Gravel with Coal Pieces, Somewhat Loamy | | | WH | 0.5 | | | | | | | | | | | | | | | 10.4 |
| 435.78 | Medium Gray Fine Sand/Coarse Gravel with Loamy Layers | | | WH | 0.5 | | | | | | | | | | | | | | | 10.4 |
| 413.78 | Dense Gray/Brown Loamy Fine Sand/Coarse Gravel with Layers of Sand and Sandy Loam | | | WH | 0.5 | | | | | | | | | | | | | | | 14.1 |

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BBS, form 137 (Rev. 8-99)

SOIL BORING LOGS
F.A.P. ROUTE 627 - SECTION (1)BR
LASALLE COUNTY
STATION 26+61.50
STRUCTURE NO. 050-0242