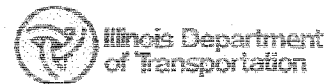


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|-----------|------------------|-----------|
| 774 | (107, 107B) LS | EFFINGHAM | 22 | 17 |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

SHEET NO. 7
OF 12 SHEETS

CONTRACT NO. 74128



SKS ENGINEERS, INC.
SOIL BORING LOG

Page 1 of 2
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

| STRUCT. NO. Station | D E P T H S | B L O W S | U C S | M O S T | Surface Water Elev. Stream Bed Elev. | D E P T H S | B L O W S | U C S | M O S T |
|--|----------------------------|-----------------------|-------------|------------------|---|----------------------------|-----------------------|-------------|------------------|
| | | | | | | | | | |
| BORING NO. B-6 Station 102745 Offset 50' L | | | | | Groundwater Elev. First Encounter Upon Completion | | | | |
| Ground Surface Elev. 594.0 | ft | (ft) | (%) | (%) | 25.5 | ft | (ft) | (%) | (%) |
| SILTY CLAY LOAM - Reddish Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6 | | 4 | | | | | 60+ | 6.2 | 5 |
| SILTY CLAY LOAM - Mottled Brown-Gray, moist, stiff-very stiff, low plasticity, trace sand, trace gravel - A-6 | | 8 | 3.2 | 15 | gray | | 22.5 | 20 | 3.9 |
| SANDY CLAY LOAM - Brown, moist, very stiff, low plasticity, trace sand, trace gravel - A-6 | | 5 | | 11 | rock encountered | | 25 | 7 | 6.2 |
| SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6 | | 14 | | 8 | SANDSTONE AND SHALE - 4age | | 31 | 16 | 14 |
| | | 23 | | 7 | SHALE - Gray, moist, weathered | | 33 | 17 | 60+ |
| | | 20 | | 9 | | | 60+ | | 18 |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Diuge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS 137 (3/01)



SKS ENGINEERS, INC.
SOIL BORING LOG

Page 2 of 2
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

| STRUCT. NO. Station | D E P T H S | B L O W S | U C S | M O S T | Surface Water Elev. Stream Bed Elev. | D E P T H S | B L O W S | U C S | M O S T |
|--|----------------------------|-----------------------|-------------|------------------|---|----------------------------|-----------------------|-------------|------------------|
| | | | | | | | | | |
| BORING NO. B-3-2 Station 102745 Offset 50' L | | | | | Groundwater Elev. First Encounter Upon Completion | | | | |
| Ground Surface Elev. 589.0 | ft | (ft) | (%) | (%) | 25.5 | ft | (ft) | (%) | (%) |
| END OF BORING @ 41 ft Boring backfilled with spoil and capped with concrete upon completion | | | | | | | 41 | | 12 |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Diuge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS 137 (3/01)



SKS ENGINEERS, INC.
SOIL BORING LOG

Page 1 of 1
Date 04/24/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

| STRUCT. NO. Station | D E P T H S | B L O W S | U C S | M O S T | Surface Water Elev. Stream Bed Elev. | D E P T H S | B L O W S | U C S | M O S T |
|--|----------------------------|-----------------------|-------------|------------------|---|----------------------------|-----------------------|-------------|------------------|
| | | | | | | | | | |
| BORING NO. B-7 Station 1025+80 Offset 50' L | | | | | Groundwater Elev. First Encounter Upon Completion | | | | |
| Ground Surface Elev. 594.0 | ft | (ft) | (%) | (%) | 25.5 | ft | (ft) | (%) | (%) |
| VERY SILTY CLAY LOAM - Gray-Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6 | | 5 | | | plasticity, trace sand, trace gravel - A-6 | | 60+ | 2.5 | 12 |
| SILTY CLAY LOAM - Mottled Brown-Gray, moist, hard, low plasticity, trace sand, trace gravel - A-6 | | 11 | | 10 | | | 25 | | 9 |
| SANDY CLAY LOAM - Brown-Gray, moist, hard, low plasticity, trace gravel - A-4 | | 12 | | 0 | SHALE | | 30 | 60+ | 14 |
| CLAYEY SAND - Brown, moist, very dense, low plasticity, trace gravel - A-2-B | | 10 | 5.0 | 9 | | | 60+ | | 12 |
| SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-fine sand, trace gravel - A-4 | | 18 | | 10 | | | 30 | 60+ | 11 |
| END OF BORING @ 31 ft Boring backfilled with spoil and capped with concrete cylinder upon completion | | | | | | | 31 | | |
| SILTY SAND - Brown, moist, very dense, fine, trace gravel, brown - A-2-B | | 12 | | 13 | | | 60+ | | |
| SILTY CLAY LOAM - Brown-Gray, moist, hard, low | | 26 | | 10 | | | 60+ | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Diuge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS 137 (3/01)

SOIL BORINGS LOGS
ILLINOIS ROUTE 32/33
F.A.P. ROUTE 774
SECTION 107 WRS-1, 107BY,
107BY-1 & 107B-2
EFFINGHAM COUNTY
RETAINING WALL
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.
STRUCTURE NUMBER 025-W008