

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|---|---------|-----------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 774 | * | EFFINGHAM | 273 | 96 |
| FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT | | | | |
| * 107WRS-1, 107BY, 107BY-1 & 107B-2 | | | | |
| CONTRACT NO. 94827 | | | | |

SHEET NO. 8
OF 14 SHEETS



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. RING. 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 I S T U R E | Surface Water Elev. | | D E P T H S | B L O W S | U C S | M O I S T U R E |
|---|----------------------------|-----------------------|-------------|--------------------------------------|---------------------|-----|----------------------------|-----------------------|-------------|--------------------------------------|
| | | | | | ft | ft | | | | |
| BORING NO. <u>B-4</u> Station <u>1030+00</u> Offset <u>55LT</u> Ground Surface Elev. <u>552.0</u> ft | (ft) | (#) | (tsf) | (%) | ft | ft | (ft) | (#) | (tsf) | (%) |
| SILTY CLAY LOAM - Gray-Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - reddish brown, very stiff - A-6 | 2 | 2 | .7 | 18 | 60+ | 6.5 | 9 | | | |
| - stiff, little sand | 8 | 22 | | | | | | | | |
| - clayey sand seam | 11 | 31 | | | | | | | | |
| | 5 | 7 | | | | | | | | |
| | 8 | 22 | | | | | | | | |
| | 11 | 31 | | | | | | | | |
| | -5 | 4 | 1.7 | 15 | | | | | | |
| | 5 | 8 | | | | | | | | |
| | 8 | 15 | | | | | | | | |
| | 11 | 22 | | | | | | | | |
| SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6 | 11 | 13 | | | | | | | | |
| water added for drilling @ 9 ft | 10.5 | 27 | 8 | | | | | | | |
| | 60+ | 60+ | | | | | | | | |
| SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B | 12 | 60+ | | | | | | | | |
| SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6 | 14 | 3.4 | 9 | | | | | | | |
| | 15 | 29 | | | | | | | | |
| - dark gray | 30 | 6.2 | 10 | | | | | | | |
| - brown | 30+ | | | | | | | | | |
| | 25 | 60+ | 7.5 | 10 | | | | | | |
| | 60+ | | | | | | | | | |
| | -20 | 17 | | | | | | | | |

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 137 (3/01)



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. RING. 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 I S T U R E | Surface Water Elev. | | D E P T H S | B L O W S | U C S | M O I S T U R E |
|--|----------------------------|-----------------------|-------------|--------------------------------------|---------------------|----|----------------------------|-----------------------|-------------|--------------------------------------|
| | | | | | ft | ft | | | | |
| BORING NO. <u>B-5</u> Station <u>1028+50</u> Offset <u>63 LT</u> Ground Surface Elev. <u>589.0</u> ft | (ft) | (#) | (tsf) | (%) | ft | ft | (ft) | (#) | (tsf) | (%) |
| SILTY CLAY LOAM - Reddish Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - A-6 | 2 | 5 | 14 | | | | | | | |
| - stiff | 5 | 18 | | | | | | | | |
| - sand lense | 8 | | | | | | | | | |
| | 7 | 19 | | | | | | | | |
| | 19 | 32 | | | | | | | | |
| | 6 | 32 | | | | | | | | |
| SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6 | 8 | 50 | 8 | | | | | | | |
| - sand seam | 10+ | | | | | | | | | |
| SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6 | 10 | 22 | 4 | | | | | | | |
| - brown | 15 | 25+ | | | | | | | | |
| | -10 | 35 | | | | | | | | |
| | 25+ | | | | | | | | | |
| | 60+ | | | | | | | | | |
| | 14.5 | | | | | | | | | |
| | -15 | 60+ | | | | | | | | |
| SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B | 10 | | | | | | | | | |
| | 60+ | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 60+ | | | | | | | | | |
| | 20 | 26 | | | | | | | | |

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|---|----------------------------|-----------------------|-------------|--------------------------------------|---------------------|----|----------------------------|-----------------------|-------------|--------------------------------------|
| | | | | | ft | ft | | | | |
| BORING NO. <u>B-5-2</u> Station <u>1028+50</u> Offset <u>63LT</u> Ground Surface Elev. <u>589.0</u> ft | (ft) | (#) | (tsf) | (%) | ft | ft | (ft) | (#) | (tsf) | (%) |
| SHALE - Gray, moist, weathered | 41 | | | | | | | | | |
| | 60+ | | | | | | | | | |
| | 60+ | | | | | | | | | |
| | 45 | | | | | | | | | |
| | 46 | | | | | | | | | |
| END OF BORING @ 46 ft. Boring backfilled with spoil and capped with concrete upon completion | | | | | | | | | | |

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 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