STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 774 | * | EFFINGHAM | 273 | 98 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | |

SHEET NO. 10 OF 14 SHEETS

* 107WRS-1, 107BY, 107BY-1 & 107B-2

**CONTRACT NO. 94827**

## ILLINOIS DEPARTMENT OF TRANSPORTATION
**Testing Service Corporation**
**STRUCTURE BORING LOG**

Page 1 of 1
Date 7/9/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois
SECT. 107WRS-1 STRUCT. NO. _____ DRILLED BY B. Williamson
COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No. B-101
Station 1033+00
Offset 52.00ft Lt
Surface Elev. 593.33 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling DRY; at Completion DRY; after _____ Hrs. _____

| DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|
| Hard light brown SILTY LOAM, moist | 2 4 7 | P 4.5+ | 15 |
| | 5 6 7 | P 4.5+ | 12 |
| -5 | | | |
| | 5 7 8 | P 4.5+ | 12 |
| 584.83 Hard brown SILTY CLAY LOAM, moist | 5 8 10 | P 4.5+ | 14 |
| -10 | | | |
| | 5 6 9 | S 9.2 | 14 |
| 579.83 Hard brown SILTY LOAM, moist | 10 39 47 | P 4.5+ | 7 |
| -15 | | | |
| | 9 11 17 | P 4.5+ | 10 |
| | 7 14 19 | P 4.5+ | 12 |
| -20 | | | |
| 572.33 Firm to dense light brown SILTY LOAM/SILT, moist | 9 9 13 | | 11 |
| 568.33 -25 | 9 14 23 | | 12 |

| DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|
| Very dense light brown LOAM/SANDY LOAM, moist | 10 29 36 | | 12 |
| | 14 48 50/4" | | 14 |
| -30 | | | |
| 560.83 Very dense gray weathered SILTSTONE | 10 19 21 | | 12 |
| | 50/4" | | |
| See STRUCTURE CORING LOG for core information to termination depth of boring. 558.33 | | | |
| -35 | | | |
| -40 | | | |
| -45 | | | |
| -50 | | | |

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations. Depths. Offset. and Elevations are in Feet

## Testing Service Corporation
**STRUCTURE ROCK CORING LOG**

Page 1 of 1
Date 7/9/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois
SECT. 107WRS-1 STRUCT. NO. _____ DRILLED BY B. Williamson
COUNTY Effingham

Boring No. B-101
Station 1033+00
Offset 52.00ft Lt
Surface Elev. 593.33 ft

Core Type NX Core Barrel
Core Diameter 2.34 in
Core Length 5 ft

| Top Elev. ft | Coring Notes and Rock Description | Core Run (#) | RECOVERY (%) | RQD (%) | CORE TIME (Min/ft) | COMP. STRNGTH (tsf) |
|---|---|---|---|---|---|---|
| 558.33 | Gray SANDSTONE with interbedded SHALE | 1 | 88 | 51 | 3 | 293 |
| | | | | | | 166 |
| 553.33 | -40.0 | | | | | |
| | End of Boring at 40.0' | | | | | |
| | -45.0 | | | | | |
| | -50.0 | | | | | |
| | -55.0 | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____

## ILLINOIS DEPARTMENT OF TRANSPORTATION
**Testing Service Corporation**
**STRUCTURE BORING LOG**

Page 1 of 1
Date 7/10/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois
SECT. 107WRS-1 STRUCT. NO. _____ DRILLED BY B. Williamson
COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No. B-102
Station 1031+75
Offset 70.00ft Lt
Surface Elev. 588.10 ft

Surface Water Elev. _____
Groundwater Elev.: when drilling DRY; at Completion DRY; after _____ Hrs. _____

| DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|
| Hard brown SILTY CLAY LOAM, moist | 2 4 4 | P 4.5+ | 8 |
| | 5 5 9 | P 4.5+ | 12 |
| -5 | | | |
| | 4 7 12 | P 4.5+ | 10 |
| 580.10 Hard brown SILTY LOAM, moist | 14 26 50 | P 4.5+ | 8 |
| -10 | | | |
| 577.60 Hard brown SILTY CLAY LOAM, moist | 10 17 27 | S 14.0 | 9 |
| | 17 39 44 | P 4.5+ | 9 |
| -15 | | | |
| 572.10 Hard gray SILTY CLAY LOAM, moist | 19 38 45 | P 4.5+ | 6 |
| | 5 20 30 | P 4.5+ | 7 |
| -20 | | | |
| | 16 23 36 | P 4.5+ | 9 |
| 564.60 Very dense gray SILTY LOAM/LOAM, moist | 10 33 50 | | 13 |
| 563.10 -25 | | | |

| DEPTH | BLOWS | Qu tsf | W % |
|---|---|---|---|
| Very dense gray SILTY LOAM/LOAM, moist | 14 29 32 | | 13 |
| | 13 23 33 | | 14 |
| -30 | | | |
| | 14 21 33 | | 19 |
| See STRUCTURE CORING LOG for core information to termination depth of boring. 553.10 | 10 23 50/3" | | 15 |
| -35 | | | |
| -40 | | | |
| -45 | | | |
| -50 | | | |

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations. Depths. Offset. and Elevations are in Feet

*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*