| E NO. | SEC | С | OUNTY | TOTAL SHEETS | SHEET NO. |
|----------|-----|-----|-------|-----------------|--------------|
| AP 53 | * | SAN | GAMON | 57 | 36 |
| | | | | | |

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** 139 (B-1)

CONTRACT NO. 72982

10 SHEETS

Illinois Department of Transportation

SOIL BORING LOG

Page <u>1</u> of <u>2</u>

Date 9/13/06

| ROUTE FAP 753 (IL 104) DESCR | IPTION | | | | . 104 o | ver Panther Creek | LOGGE | D BY | M | Тарр | an |
|--|--------|-------------|---------------|-------------|---------|--|----------------------|-------------|-------------|-------------|-------------|
| SECTION 139 (B-1) | | | | | | | | | | | |
| COUNTY Sangamon DR | ILLING | MET | HOD | | | HSA HA | MMER TYPE | | 140# | Auto | |
| 084-2508 Prop STRUCT. NO. 084-0063 Ex Station 408+66 | _ | D E P | B L O | U C S | M 0 | Surface Water Elev. | 617.4 ft 616.7 ft | D E P | B L O | U C S | M O I |
| BORING NO. 2 NE WW Station 409+38 Offset 13 0ft Lt | _ | H | W S /6" | Qu | 1 | Groundwater Elev.: ♥ First Encounter ▼ Upon Completion P | iuggea_ it | T H | W S | Qu (tsf) | S T |
| Ground Surface Elev. 629.9 Black Moist SILTY CLAY (Fill) | ft | (ft) | 76" | (tsf) | (%) | ▼After Hrs. P CLAY LOAM (Till) (continu | lugged ft | (ft) | /6 | (131) | (%) |
| | | | 1 2 | 0.9 | 23 | Grey Moist CLAY LOAM (1 | Fill) w/ | | 4 | 4.7 | 20 |
| | | | 3 | В | - | 8" Grey SILT Seam | | - | 28 | S-13 | |
| | | | 2 | | | | | | 1 | 6.5 | 13 |
| | | -5 | 3 4 | 1.4 B | 21 | Light Olive Brown and Gre | : y | -25 | 18 17 | 5.2 B | 13 |
| | | _ | 1 | | | | | | | | |
| Olive Brown and Grey | | | 2 | 1.0 B | 19 | | | | | | |
| Black Moist SILTY CLAY | 621 90 | | , | | | | | | 3 | | |
| | | -10 | 3 | 1.5 B | 21 | Light Blue Grey Moist CL/ LOAM (Till) | AY | -30 | 13 14 | 3.7 B | 14 |
| | | | 0 | | | | | _ | | | |
| w/ 2" Medium Sand Seam | | _ | 1 2 | 0.7 B | 21 | 1 | | | | | |
| 1 | | | 0 | | | | | | 2 | | |
| Dark Grey V. Moist SILTY CLAY | 614_90 | | 1 | 0.5 B | 30 | | | -3: | 6 | 2.9 B | 1 |
| CLAY LOAM (Till) | 014.30 | - | | Ť | | | | | | | |
| Brown Moist CLAY LOAM (Till) | | _ | 1 2 5 | 2.5 S-1 | 1 | 1 | | _ | 1 | | |
| | | | + | 3.1 | - | | | | - | | |
| w/ 3" Grey Medium Sand Seam, | | | 9 | 3.2 | | Grey | | - | 8 | 3.7 B | - 1 |

The Unconfined Compressive Strength (UCS) Failure Mode is.indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H.- Sampler Advanced By Weight of Hammer, W.O.P.- Advanced by Weight of Pipe, B.S.- Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

| _ | P 753 (IL 104) DESCR | | | | | | | |
|--|--|------------------|-----------------------|----------------------------|------------------------------|---|---------------|------------|
| SECTION _ | 139 (B-1) | LOCA | TION _ | NW 1/4 | 4 SEC | . 9, TWP. 13 N, RNG. (| 5 W, 3 PM | |
| COUNTY _ | Sangamon DR | ILLING M | ETHOD | | | HSA | _ HAMMER TYPE | 140 # Auto |
| Station BORING NO Station _ Offset Ground St | 084-2508 Prop 084-0063 Ex 408+66 D. 2 NE WW 409+38 13.0ft Ll urface Elev. 629.9 M (Till) (continued) | - E | B L O W S 1 S 11) /6" | U C S Qu (tsf) | M O I S T (%) | Surface Water Elev. Stream Bed Elev. Groundwater Elev.: ▽First Encounter ▼Upon Completion ▼After Hrs. | 616.7 ft | |
| Grey Moist | CLAY LOAM (Till) | 584.90 | 1 6 10 | 3.2 B | 14 | | | |
| Structure = to East Refer Elev | to ct. of Existing 408+66, STA Increase ation to BMCB1, quare on NW Headwall | - | | | | | | |
| | | - - - - | -50 | | | | | |

(Illinois Department

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

DESIGNED BAN
CHECKED JOH
DRAWN TC/CET
CHECKED BAN

SOIL BORINGS LOGS F.A.P. 753 (IL 104) OVER PANTHER CREEK SECTION 139(B-1) SANGAMON COUNTY STATION 408+66.00 STR. NO. 084-2508

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS