



SOIL BORING LOG

Date 5/31/11

ROUTE FAP 827 (IL 1) DESCRIPTION Traffic Signal Foundations - Mt Carmel, IL LOGGED BY E. Sandschafer

SECTION (103,104)RS-1,(12Z)RS-2 LOCATION E 1/2, SEC. 20, TWP. 1 S, RNG. 12 W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

| | | | | | | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------------|---|-----------------------|-----------------------|-------------------|----------------------------|
| STRUCT. NO. <u>N/A</u> Station <u>093-0000 soil 2011</u> | D E P T H | B L O W S | U C S Qu | M O I S T T | Surface Water Elev. <u>N/A</u> ft Stream Bed Elev. <u>N/A</u> ft Groundwater Elev.: ▼ First Encounter <u> </u> ft ▼ Upon Completion <u>421.1</u> ft ▼ After 24 Hrs. <u>424.2</u> ft | D E P T H | B L O W S | U C S Qu | M O I S T T |
| BORING NO. <u>3 SE 9th & Walnut</u> Station <u>39+93</u> Offset <u>80.0ft E of IL 1 CL</u> Ground Surface Elev. <u>428.07</u> ft (ft) /6" (tsf) (%) | | | | | | | | | |

| | | | | | | | | | |
|---|--|-----|--|--|---|-------|--|--|----|
| 3" Topsoil <u>427.77</u> Very soft to medium,damp, tan, SILTY LOAM. | | | | | Medium, tan, fluffy, SAND. 3% passing #200 sieve. (continued) <u>407.27</u> Gray, SILTY CLAY SHALE. | | | | |
| 1 | | | | | 5 | | | | 15 |
| 2 | | 0.1 | | | 9 | | | | |
| 3 | | B | | | | | | | |
| -5 | | | | | 403.57 | | | | |
| 1 | | | | | 403.17 | 50/3" | | | 18 |
| 2 | | 0.5 | | | 50/1" | 50/1" | | | |
| 2 | | B | | | 50/1" | 50/1" | | | |
| 1 | | | | | Benchmark: Traverse Point in SE corner of 9th & Walnut = 427.91' elevation. Provided by Program Development. | | | | |
| 2 | | 0.6 | | | | | | | |
| 2 | | B | | | | | | | |
| 2 | | | | | | | | | |
| -10 | | | | | 418.07 | | | | |
| 3 | | 2.2 | | | -30 | | | | |
| 5 | | B | | | | | | | |
| 3 | | | | | 415.57 | | | | |
| 19 | | 0.5 | | | | | | | |
| 36 | | S | | | | | | | |
| 30 | | | | | -15 | | | | |
| 50/5" | | | | | | | | | 17 |
| 50/4" | | | | | | | | | |
| 16 | | | | | 408.57 | | | | |
| -20 | | | | | -40 | | | | |

File Name S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\WABASH CO (093)\093-0000 SOIL 2011 TRAF SIGNALS.GPJ Data Template D0TEMP.LGDT Date Printed 11/06/08
Latitude W 87 deg 46.043 min Longitude N 38 deg 24.676 min Datum Job Number

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)



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ROUTE FAP 827 (IL 1) DESCRIPTION Traffic Signal Foundations - Mt Carmel, IL LOGGED BY E. Sandschafer

SECTION (103,104)RS-1,(12Z)RS-2 LOCATION E 1/2, SEC. 20, TWP. 1 S, RNG. 12 W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

| | | | | | | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------------|---|-----------------------|-----------------------|-------------------|----------------------------|
| STRUCT. NO. <u>N/A</u> Station <u>093-0000 soil 2011</u> | D E P T H | B L O W S | U C S Qu | M O I S T T | Surface Water Elev. <u>N/A</u> ft Stream Bed Elev. <u>N/A</u> ft Groundwater Elev.: ▼ First Encounter <u> </u> ft ▼ Upon Completion <u>419.9</u> ft ▼ After 24 Hrs. <u>422.3</u> ft | D E P T H | B L O W S | U C S Qu | M O I S T T |
| BORING NO. <u>4 SW 9th & Walnut</u> Station <u>40+46</u> Offset <u>49.0ft W of IL 1 CL</u> Ground Surface Elev. <u>427.92</u> ft (ft) /6" (tsf) (%) | | | | | | | | | |

| | | | | | | | | | |
|---|--|-----|--|--|---|-------|--|--|----|
| 3" topsoil. <u>427.62</u> Loose, damp, black, SANDY LOAM w/ many Cinders. | | | | | Very dense, damp, red, SANDY LOAM to SANDSTONE. | | | | |
| 9 | | | | | 50/2" | 1.4 | | | 17 |
| 7 | | | | | 50/3" | S | | | |
| 9 | | | | | 50/4" | | | | |
| 9 | | | | | 50/3" | 0.4 | | | 18 |
| 9 | | | | | 50/3" | S | | | |
| -5 | | | | | 423.42 | | | | |
| 4 | | | | | 403.02 | 50/3" | | | 19 |
| 5 | | 2.3 | | | -25 | 50/1" | | | |
| 7 | | B | | | 50/1" | 50/1" | | | |
| 5 | | | | | Benchmark: Traverse Point in SE corner of 9th & Walnut = 427.91' elevation. Provided by Program Development. | | | | |
| 10 | | 1.2 | | | | | | | |
| 30 | | S | | | | | | | |
| -10 | | | | | 418.42 | | | | |
| 45 | | | | | -30 | | | | |
| 50/4" | | | | | | | | | 18 |
| 50/2" | | | | | | | | | |
| 36 | | | | | | | | | |
| 50/2" | | | | | | | | | 17 |
| 50/1" | | | | | | | | | |
| -15 | | | | | -35 | | | | |
| 50/5" | | | | | | | | | |
| 50/1" | | 1.9 | | | | | | | 16 |
| 50/1" | | S | | | | | | | |
| 50/4" | | | | | | | | | |
| 50/1" | | 1.4 | | | | | | | 15 |
| 50/1" | | S | | | | | | | |
| 50/4" | | | | | 407.92 | | | | |
| -20 | | | | | -40 | | | | |

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Latitude W 87 deg 46.062 min Longitude N 38 deg 24.659 min Datum Job Number

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
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| | | | | | | | | | | |
|--|------------------------------|------------|-----------|---|--|-------------------------|---------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = mcellellan | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | 9th & WALNUT STREET BORING LOGS #3 & #4 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pw\work\pwwdot\mcellellan\08177977 | 774449-shr-TS.dgn | DRAWN - | REVISED - | | 827 | (103,104)RS-1,(12Z)RS-2 | WABASH | 44 | 33 | |
| | PLOT SCALE = 10.0000" / 1ft. | CHECKED - | REVISED - | | CONTRACT NO. 74449 | | | | | |
| | PLOT DATE = 9/6/2011 | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | |