

| F.A.P. RTE.            | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|---------------------------|--------------|-----------|
| 361                    | 06-00214-20-BR | KANE                      | 320          | 213       |
| STA. 511+80.00         |                | TO STA. 609+14.92         |              |           |
| FED. ROAD DIST. NO. 7  |                | ILLINOIS FED. AID PROJECT |              |           |
| SHEET NO. S108 OF S108 |                |                           |              |           |

**BORING NO. BP-4**

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Page 1 of 2

**Wang Engineering, Inc.**  
Consulting Geotechnical and Environmental Engineers  
wangeng@wangeng.com  
1145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

**BORING LOG BP-4**

WEI Job No.: 707-11-01

Datum: NGVD  
Elevation: 691.47 ft  
North: 1934621.08 ft  
East: 994831.86 ft  
Station: 569+37.56  
Offset: 131.63 LT

Client: Baker Engineering, Inc.  
Project: New Stearns Road over Fox River  
Location: Sec. 2 and 3, T. 40 N, R. 8 E of Geneva Quadrangle

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| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION                                   | Depth (ft) | Sample Type | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) | Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION              | Depth (ft) | Sample Type | Sample No. | SPT Values (blows/in) | Qu (tsf)  | Moisture Content (%) |
|---------|----------------|-------------------------------------------------------------|------------|-------------|------------|-----------------------|----------|----------------------|---------|----------------|----------------------------------------|------------|-------------|------------|-----------------------|-----------|----------------------|
|         | 691.1          | 5-inch thick CONCRETE<br>--PAVEMENT--                       |            |             |            |                       |          |                      |         |                |                                        |            |             |            |                       |           |                      |
|         |                | Medium dense, brown and gray SANDY GRAVEL<br>--FILL--       | 1          |             | 1          | 4<br>8<br>7           | NP       | 4                    |         |                |                                        | 11         |             | 11         | 6<br>12<br>10         | 2.50<br>P | 12                   |
|         |                |                                                             | 5          |             | 2          | 4<br>9<br>9           | NP       | 2                    |         |                |                                        | 30         |             | 12         | 5<br>4<br>5           | 3.74<br>B | 14                   |
|         |                |                                                             | 10         |             | 3          | 4<br>6<br>8           | NP       | 7                    |         | 690.5          |                                        |            |             |            |                       |           |                      |
|         | 688.5          | Medium dense, brown and gray GRAVELLY SAND                  | 10         |             | 4          | 14<br>12<br>12        | NP       | 10                   |         |                | Dense to very dense, gray SANDY GRAVEL | 35         |             | 13         | 8<br>21<br>14         | NP        | 5                    |
|         |                |                                                             | 15         |             | 5          | 8<br>10<br>9          | NP       | 9                    |         |                |                                        | 40         |             | 14         | 7<br>14<br>16         | NP        | 14                   |
|         | 678.5          | Medium dense, brown and gray SANDY GRAVEL                   | 20         |             | 6          | 9<br>10<br>10         | NP       | 12                   |         |                |                                        | 45         |             | 15         | 3<br>18<br>37         | NP        | 17                   |
|         |                |                                                             | 25         |             | 7          | 3<br>3<br>7           | NP       | 6                    |         |                |                                        | 50         |             | 16         | 5<br>23<br>41         | NP        | 14                   |
|         | 668.5          | Very stiff to hard, brown and gray SILTY CLAY, trace gravel |            |             | 8          | 8<br>8<br>9           | NP       | 10                   |         |                |                                        |            |             |            |                       |           |                      |
|         |                |                                                             |            |             | 9          | 4<br>7<br>12          | NP       | 8                    |         |                |                                        |            |             |            |                       |           |                      |
|         |                |                                                             |            |             | 10         | 10<br>10<br>11        | NP       | 12                   |         |                |                                        |            |             |            |                       |           |                      |

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION            | Depth (ft) | Sample Type | Sample No. | SPT Values (blows/in) | Qu (tsf)  | Moisture Content (%) | Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) |
|---------|----------------|--------------------------------------|------------|-------------|------------|-----------------------|-----------|----------------------|---------|----------------|---------------------------|------------|-------------|------------|-----------------------|----------|----------------------|
|         |                |                                      |            |             |            |                       |           |                      |         |                |                           |            |             |            |                       |          |                      |
|         |                |                                      | 55         |             | 17         | 5<br>7<br>27          | NP        | 11                   |         |                |                           |            |             |            |                       |          |                      |
|         | 686.5          | Dense to very dense, gray SILTY LOAM | 60         |             | 18         | 23<br>20<br>34        | NP        | 18                   |         |                |                           |            |             |            |                       |          |                      |
|         |                |                                      | 65         |             | 19         | 19<br>23<br>15        | NP        | 19                   |         |                |                           |            |             |            |                       |          |                      |
|         | 628.5          | Hard, gray SILTY CLAY                | 70         |             | 20         | 10<br>17<br>22        | 4.02<br>B | 14                   |         |                |                           |            |             |            |                       |          |                      |
|         |                |                                      | 75         |             | 21         | 5<br>11<br>15         | 4.10<br>B | 13                   |         |                |                           |            |             |            |                       |          |                      |
|         |                |                                      | 80         |             | 22         | 4<br>14<br>24         | 4.02<br>B | 13                   |         |                |                           |            |             |            |                       |          |                      |
|         |                |                                      | 85         |             | 23         | 6<br>14<br>23         | >4.5<br>P | 12                   |         |                |                           |            |             |            |                       |          |                      |
|         | 618.0          | Boring terminated at 73.50 ft        |            |             |            |                       |           |                      |         |                |                           |            |             |            |                       |          |                      |

| GENERAL NOTES       |                                                  | WATER LEVEL DATA          |                 |
|---------------------|--------------------------------------------------|---------------------------|-----------------|
| Begin Drilling      | 08-08-2008                                       | Complete Drilling         | 08-08-2008      |
| Drilling Contractor | WTS                                              | Drill Rig                 | Mobile B-57 TMR |
| Driller             | K & J                                            | Logger                    | F. Bozga        |
| Checked by          | N. Davis                                         | Time After Drilling       | NA              |
| Drilling Method     | 4.25" ID. HSA, Boring Backfilled Upon Completion | Depth to Water            | NA              |
|                     |                                                  | While Drilling            | 6.00 ft         |
|                     |                                                  | At Completion of Drilling | NA              |
|                     |                                                  | Time After Drilling       | NA              |
|                     |                                                  | Depth to Water            | NA              |

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

| GENERAL NOTES       |                                                  | WATER LEVEL DATA          |                 |
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|                     |                                                  | Time After Drilling       | NA              |
|                     |                                                  | Depth to Water            | NA              |

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SOIL BORING LOG XVIII**

MULTI-USE PATH BRIDGE OVER THE FOX RIVER  
STRUCTURE NUMBER 045-3164  
KANE COUNTY FAP 361 SECTION 06-00214-20-BR  
STATION 572+37.71  
DATE: JANUARY 16, 2009

PUBLIC WATERS  
DESIGNED: WEI  
DRAWN: SGW  
CHECKED: WEI  
CHECKED: DFM



h:\3005\3.0 phase 11 deliverables\3.3 structure\drawings\Final\045-3166 Boring Log 18.dgn 1/5/2009