| ROUTE  | LING ME<br>D<br>E<br>P | LOCAT           | TION _     | SE, <b>SI</b><br>Mobil | EC. 32, TWP. 38, RNG. 13                                      | . 3 <sup>rd</sup> <b>PM</b> |  |
|--|------------------------|-----------------|------------|------------------------|---|-----------------------------|--|
| COUNTY   | LING ME D E P T        | THOD<br>B<br>L  | U          | Mobil                  |   |                             |  |
| Station   RB-2   | E<br>P<br>T            | L               |            |                        | C D-00, 0.20 110A   | HAMMER TYPE _               |  |
| Station         501+70           Offset         30.00ft LT           Ground Surface Elev.         615.72 | Т                      |                 | S          | M<br>0                 | Surface Water Elev<br>Stream Bed Elev                         | ft                          |  |
|  | ft (ft)                | W<br>S<br>(/6") | Qu         | S<br>T                 | Groundwater Elev.: First Encounter Upon Completion After Hrs. | Dry_ft<br>ft                |  |
|  | -                      | ,               | ()         | (,-)                   | Aitei nis   | R                           |  |
| Medium Stiff to Very Stiff Brown Silty Clay  | 3.72                   |                 | 0.5<br>0.5 | 16<br>18               |   |                             |  |
|  |                        |                 | 1.8        | 24                     |   |                             |  |
| Grades w/ some Gray Clay   | -5                     |                 | 0.5        | 19                     |   |                             |  |
|  | 4                      |                 | 1.3        | 20                     |   |                             |  |
| Auger Refusal at 8 feet 607 Note: Qu strengths determined by pocket penetrometer End of Boring           | 7.72                   |                 | 3.5<br>1.3 | 16<br>13               |   |                             |  |
|  |                        |                 |            |                        |   |                             |  |
|  |                        |                 |            |                        |   |                             |  |
|  | -15                    |                 |            |                        |   |                             |  |
|  |                        |                 |            |                        |   |                             |  |

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)

| Illinois<br>of Tran<br>Division of Highwa<br>illinois department | sportat          | ion                   | 1  |             | SC                    | OIL BORIN   | G LOG                         |   | 1 of _ |
|--|------------------|-----------------------|--|-------------|-----------------------|---|-------------------------------|---|--------|
| ROUTE FAU 3568   |                  | ESCR                  | IPTION   | ١           |                       | Archer Avenue   |                               |   |        |
| SECTION B-1  | I-5              |                       | LOCAT  | ION _       | SW, S                 | EC. 33, TWP. 38, RNG.   | 13, 3 <sup>rd</sup> <b>PM</b> |   |        |
| COUNTY COOK  | DRILLIN          | G ME                  | THOD   |             | Mobil                 | e B-80, 3.25" HSA   | HAMMER TYP                    | E |        |
| STRUCT. NO Station BORING NORB                                   | 3                | D<br>E<br>P<br>T<br>H | O<br>W   | U<br>C<br>S | M<br>O<br>I<br>S<br>T | Surface Water Elev.<br>Stream Bed Elev.<br>Groundwater Elev.: | ft                            |   |        |
| Station         204+           Offset         48.00ft            | LT               | 1                     | 1  | Qu          |                       | First Encounter Upon Completion                               | ft                            |   |        |
| Ground Surface Elev<br>Very Stiff Brown Silty Clay               | 509.74 ft        | (11)                  | (/6")  | (tsf)       | (%)                   | After Hrs.  | ft                            |   |        |
| (Topsoil)  |                  |                       |  | 0.5         |                       |   |                               |   |        |
| Medium Stiff to Very Stiff Br<br>Silty Clay                      | 608.24<br>own    | <u> </u>              |  | 2.5         | 23                    |   |                               |   |        |
|  |                  |                       | and to consider the same of th | 1.0         | 17                    |   |                               |   |        |
|  |                  | -5                    |  | 0.5         | 18                    |   |                               |   |        |
|  |                  | 1                     |  | 2.5         | 15                    |   |                               |   |        |
| Stiff Brown Peat<br>Stiff Brown Loam                             | 602.74<br>602.24 |                       |  | 1.5<br>1.5  | 22<br>25              |   |                               |   |        |
|  |                  | -                     |  | 1.0         | 16                    |   |                               |   |        |
| Note: Qu strengths determir<br>pocket penetrometer               | 599.74<br>led by | 1 -10                 |  | 1.0         | 12                    |   |                               |   |        |
| End of Boring  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  | -15                   |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |
|  |                  |                       |  |             |                       |   |                               |   |        |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

| (A) | Illinois Department of Transportation |
|-----|---------------------------------------|
|     | illinois department of transportation |

## **SOIL BORING LOG**

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

Date \_\_6/18/13\_

 ROUTE
 FAU 3565
 DESCRIPTION
 Archer Avenue
 LOGGED BY M. Esposito

 SECTION
 B-N-5
 LOCATION
 SW, SEC. 33, TWP. 38, RNG. 13, 3<sup>™</sup> PM

 COUNTY
 COOK
 DRILLING METHOD
 Mobile B-80, 3.25<sup>™</sup> HSA
 HAMMER TYPE

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, from 137 (Rev. 8-99)

| FILE NAME =                              | USER NAME = paraynoal        | DESIGNED - | REVISED - |
|--|------------------------------|------------|-----------|
| c:\pw_work\pwidot\paraynoal\d0160753\P14 | 2709-sht-gennote.dgn         | DRAWN -    | REVISED - |
|  | PLOT SCALE = 100.0000 '/ in. | CHECKED -  | REVISED - |
| Default                                  | PLOT DATE = 12/9/2013        | DATE -     | REVISED - |

BBS, from 137 (Rev. 8-99)

| STATE        | OF ILLINOIS      |
|--------------|------------------|
| DEPARTMENT O | F TRANSPORTATION |

|        |       |    |        |      |         | F.A.U.<br>RTE.            | SECTION |  | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO. |
|--------|-------|----|--------|------|---------|---------------------------|---------|--|----------|-----------------|--------------|
|        |       |    |        |      |         | 3565                      | B-N-5   |  | соок     | 129             | 74           |
|        |       |    |        |      |         |                           |         |  | CONTRACT | NO. 6           | 0T24         |
| SCALE: | SHEET | OF | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT |         |  |          |                 |              |