



BORING LOG RW-60

|                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                       |  |                                                                                                   |  |
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|  <b>Geo Services, Inc.</b><br>Geotechnical, Environmental & Civil Engineering<br>805 Avenue C-Suite 204<br>Naperville, Illinois 60565<br>(630) 355-3838                                                                                           |  | <b>SOIL BORING LOG</b>                                                                                                                                                                |  | PAGE 1 of 1<br>DATE 5/31/2011<br>LOGGED BY MD<br>GSI JOB No. 09173                                |  |
| ROUTE <u>Il. Route 59 (FAP 338)</u> DESCRIPTION <u>Illinois Route 59-Aurora Avenue/New York Street To Ferrv Road</u>                                                                                                                                                                                                               |  | SECTION <u>(112 &amp; 113) WRS-5</u> LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township</u>                                                                |  |                                                                                                   |  |
| COUNTY <u>DuPage</u> DRILLING METHOD <u>Hollow Stem Auger</u> HAMMER TYPE <u>CME Automatic</u>                                                                                                                                                                                                                                     |  | STRUCT. NO. <u>n/g</u> Station: <u>4024+25 to 4030+55</u>                                                                                                                             |  |                                                                                                   |  |
| BORING NO. <b>RW-60</b> Station: <u>4024+65 IL RTE-59</u> Offset: <u>60.5' Right</u> Ground Surface Elev. <u>710.6</u>                                                                                                                                                                                                             |  | Surface Water Elev. <u>n/a</u><br>Stream Bed Elev. <u>n/a</u><br>Groundwater Elevation:<br>First Encounter <u>703.6</u> ▼<br>Upon Completion <u>Dry</u> ▼<br>After _____ Hrs. _____ ▼ |  | DEPT H S Qu T<br>B L O C S<br>U C S<br>M O I S T                                                  |  |
| TOPSOIL-black 709.6 AS - 30                                                                                                                                                                                                                                                                                                        |  | 6 116                                                                                                                                                                                 |  | DEPT H S Qu T<br>B L O C S<br>U C S<br>M O I S T                                                  |  |
| SILTY CLAY-brown & gray-stiff (A-6) 707.6                                                                                                                                                                                                                                                                                          |  | CLAY-gray-stiff to very stiff (A-6)                                                                                                                                                   |  | 3 7 9 3.25B 15                                                                                    |  |
| CLAY LOAM-brown & gray-very stiff to hard (A-6) 685.1                                                                                                                                                                                                                                                                              |  | CLAY LOAM-gray-medium dense (A-4) 682.6                                                                                                                                               |  | 3 3 106<br>4 4<br>5 6 4.1B 15 -25 5 2.25B 20                                                      |  |
| CLAY-gray-stiff to very stiff (A-6) 700.1                                                                                                                                                                                                                                                                                          |  | CLAY LOAM-gray-very stiff to hard (A-6)                                                                                                                                               |  | 3 7 117<br>4 8 117<br>6 8 117<br>10 8 3.3B 15 -30 11 4.0B 13                                      |  |
| CLAY-gray-stiff to very stiff (A-6)                                                                                                                                                                                                                                                                                                |  | CLAY LOAM-gray-very stiff to hard (A-6)                                                                                                                                               |  | 12 118<br>10 10<br>10 1.1B 17<br>2 2 110<br>3 3 109<br>5 7 2.2B 20<br>8 8<br>8 8<br>-20 8 1.0P 21 |  |
| End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                       |  |                                                                                                   |  |
| The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VP-Vane Shear Test<br>The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)<br>NR-No Recovery |  |                                                                                                                                                                                       |  |                                                                                                   |  |

BORING LOG RW-61

|                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                         |  |                                                                                           |  |
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|  <b>Geo Services, Inc.</b><br>Geotechnical, Environmental & Civil Engineering<br>805 Avenue C-Suite 204<br>Naperville, Illinois 60565<br>(630) 355-3838                                                                                         |  | <b>SOIL BORING LOG</b>                                                                                                                                                                  |  | PAGE 1 of 1<br>DATE 5/31/2011<br>LOGGED BY MD<br>GSI JOB No. 09173                        |  |
| ROUTE <u>Il. Route 59 (FAP 338)</u> DESCRIPTION <u>Illinois Route 59-Aurora Avenue/New York Street To Ferrv Road</u>                                                                                                                                                                                                               |  | SECTION <u>(112 &amp; 113) WRS-5</u> LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township</u>                                                                  |  |                                                                                           |  |
| COUNTY <u>DuPage</u> DRILLING METHOD <u>Hollow Stem Auger</u> HAMMER TYPE <u>CME Automatic</u>                                                                                                                                                                                                                                     |  | STRUCT. NO. <u>n/g</u> Station: <u>4024+25 to 4030+55</u>                                                                                                                               |  |                                                                                           |  |
| BORING NO. <b>RW-61</b> Station: <u>4026+67 IL RTE-59</u> Offset: <u>65.0' Right</u> Ground Surface Elev. <u>710.0</u>                                                                                                                                                                                                             |  | Surface Water Elev. <u>n/a</u><br>Stream Bed Elev. <u>n/a</u><br>Groundwater Elevation:<br>First Encounter <u>691.0</u> ▼<br>Upon Completion <u>677.0</u> ▼<br>After _____ Hrs. _____ ▼ |  | DEPT H S Qu T<br>B L O C S<br>U C S<br>M O I S T                                          |  |
| TOPSOIL-black 709.0 AS - 34                                                                                                                                                                                                                                                                                                        |  | 6 116                                                                                                                                                                                   |  | DEPT H S Qu T<br>B L O C S<br>U C S<br>M O I S T                                          |  |
| CLAY LOAM-brown & gray-very stiff to hard (A-6) 702.0                                                                                                                                                                                                                                                                              |  | CLAY LOAM-gray-very stiff to hard (A-6)                                                                                                                                                 |  | 3 7 9 3.25P 12<br>3 3 109<br>4 4<br>5 6 4.5P 14 -25 8 4.5B 19<br>6 8.45P 17<br>9 12.7P 17 |  |
| CLAY-gray-hard (A-6) 699.5                                                                                                                                                                                                                                                                                                         |  | CLAY LOAM-gray-very stiff to hard (A-6)                                                                                                                                                 |  | 3 7 111<br>4 4 110<br>6 7 110<br>10 3.9B 19                                               |  |
| SILTY CLAY LOAM-gray-medium dense (A-4) 697.0                                                                                                                                                                                                                                                                                      |  | CLAY-gray-hard (A-6)                                                                                                                                                                    |  | 3 7 111<br>6 6<br>9 4.5+P 14 -30 10 5.6B 19                                               |  |
| SILTY LOAM-gray-medium dense (A-4) 694.5                                                                                                                                                                                                                                                                                           |  | SILTY CLAY LOAM-gray-medium dense (A-4)                                                                                                                                                 |  | 4 4 121<br>7 5.55P 14<br>7 11.3P 14<br>8 8<br>8 8<br>-15 8 NP 12 675.0-35 10 2.25P 21     |  |
| CLAY LOAM-gray-very stiff to hard (A-6)                                                                                                                                                                                                                                                                                            |  | SILTY LOAM-gray-medium dense (A-4)                                                                                                                                                      |  | 5 5 116<br>6 6<br>9 5.3B 16<br>50/6<br>-20 4.5+P 13                                       |  |
| End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                         |  |                                                                                           |  |
| The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VP-Vane Shear Test<br>The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)<br>NR-No Recovery |  |                                                                                                                                                                                         |  |                                                                                           |  |

FILE NAME = ...60R31-W059-009-Bor-mg-log.dgn



|                   |               |
|-------------------|---------------|
| DESIGNED - LAS    | REVISIED -    |
| CHECKED - DAZ     | REVISIED -    |
| DRAWN - SAW       | REVISIED -    |
| DATE - 12/14/2012 | CHECKED - LAS |

|                   |               |
|-------------------|---------------|
| DESIGNED - LAS    | REVISIED -    |
| CHECKED - DAZ     | REVISIED -    |
| DRAWN - SAW       | REVISIED -    |
| DATE - 12/14/2012 | CHECKED - LAS |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS  
STA. 4024+24.83 TO STA. 4028+32.00 SN 022-W059**

SHEET NO. SG-9 OF SG-9 SHEETS

|                           |                           |               |                  |               |
|---------------------------|---------------------------|---------------|------------------|---------------|
| F.A.P. RTE. 338           | SECTION (112 & 113) WRS-6 | COUNTY DUPAGE | TOTAL SHEETS 734 | SHEET NO. 551 |
| CONTRACT NO. 60R31        |                           |               |                  |               |
| ILLINOIS FED. AID PROJECT |                           |               |                  |               |