




BORING LOG RW-19

BORING LOG RW-20

BORING LOG RW-21

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|  SOIL BORING LOG | | PAGE 1 of 1 DATE 4/21/2011 LOGGED BY DR GSI JOB No. 09173 | | | |
| ROUTE II, Route 59 (FAP 338) SECTION (112 & 113) WRS-5 COUNTY DuPage | | DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic | | | |
| SURFACE ELEVATION: 685.8 BORING NO. RW-19 STATION: 3965+51 IL RTE-59 OFFSET: 29.5' Right GROUND SURFACE ELEV.: 685.8 | | DEPTH (ft) 12 8 9 5 7 -5 5 6 10 4 7 7 4 4 5 3 4 -15 2 4 5 7 -20 | BLOW COUNTS (B-Blows, S-Shear, P-Penetrometer) 12 NP 7 111 18 110 19 NP 8 NP 8 NP 16 118 13 103 109 20 20 12 7 | UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE IS INDICATED BY (B-Blows, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test 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 (%) NR-No Recovery | QUANTITY (%) 7 10 10 10 NP 10 NP 10 NP 8 NP 8 NP 16 13 24 20 20 18 7 |
| 10.0" CONCRETE, 10.0" CRUSHED STONE CLAY-gray-very stiff to hard (A-6) SILTY LOAM-gray-medium dense (A-4) CLAY-gray-stiff to very stiff (A-6) Clayey SAND & GRAVEL-gray-medium dense (A-2) | | Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 665.9 Upon Completion 667.8 After Hrs. 1 Clayey SAND & GRAVEL-gray-medium dense (A-2) 664.8 SILTY LOAM to LOAM-brown & gray-dense (A-4) 662.8 SANDY LOAM-brown & gray-dense to very dense (A-2) FRACTURED ROCK-gray-very dense (A-1) Auger Refusal @ -29.5' End Of Boring Hollow Stem Augers CME Automatic Hammer CLAY-gray-stiff to very stiff (A-6) SAND & GRAVEL-gray-medium dense (A-1-b) | | | |

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| SURFACE ELEVATION: 686.9 BORING NO. RW-20 STATION: 3966+10 IL RTE-59 OFFSET: 29.0' Right GROUND SURFACE ELEV.: 686.9 | | DEPTH (ft) 8 6 3 4 -5 4 6 9 4 6 6 8 3 4 -15 4 6 5 7 9 13 8 -20 | BLOW COUNTS (B-Blows, S-Shear, P-Penetrometer) NP 6 112 16 19 NP 9 NP 9 NP 21 21 109 20 109 18 18 NP 20 NP 20 NP 20 NP 20 | UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE IS INDICATED BY (B-Blows, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test 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 (%) NR-No Recovery | QUANTITY (%) 6 6 16 9 NP 9 NP 9 NP 21 21 109 20 18 18 NP 20 NP 20 NP 20 NP 20 |
| 10.0" CONCRETE, 10.0" CRUSHED STONE CLAY-gray-very stiff to hard (A-6) | | Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 669.4 Upon Completion 672.9 After Hrs. 1 SAND & GRAVEL-gray (A-1-b) 666.4 SANDY LOAM-brown & gray-dense to very dense (A-2) Clayey SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2) Auger Refusal @ -30.0' End Of Boring Hollow Stem Augers CME Automatic Hammer SAND & GRAVEL-gray-medium dense (A-1-b) | | | |

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| SURFACE ELEVATION: 688.4 BORING NO. RW-21 STATION: 3966+68 IL RTE-59 OFFSET: 28.5' Right GROUND SURFACE ELEV.: 688.4 | | DEPTH (ft) 13 7 5 4 7 -5 4 6 10 5 8 4 8 9 3 6 -15 3 5 6 5 -20 | BLOW COUNTS (B-Blows, S-Shear, P-Penetrometer) NP 5 5 14 NP 9 NP 7 NP 9 NP 18 NP 18 109 18 110 20 113 16 NP 7 NP 7 NP 7 NP 7 | UNCONFINED COMPRESSIVE STRENGTH (UCS) FAILURE MODE IS INDICATED BY (B-Blows, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test 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 (%) NR-No Recovery | QUANTITY (%) 13 15 13 NP 13 16 50/5" NP 7 21 24 NP 9 NP 9 NP 7 NP 7 21 24 NP 9 NP 9 NP 7 NP 7 NP 7 NP 7 |
| 10.0" CONCRETE, 10.0" CRUSHED STONE CLAY-gray-very stiff to hard (A-6) SAND & GRAVEL-brown & gray-medium dense (A-1) CLAY-gray-very stiff to hard (A-6) SILTY LOAM-gray-medium dense (A-4) CLAY-gray-stiff to very stiff (A-6) Clayey SAND & GRAVEL-gray-medium dense (A-2) | | Surface Water Elev. n/a Stream Bed Elev. n/a Groundwater Elevation: First Encounter 669.9 Upon Completion 668.4 After Hrs. 1 CLAY-gray-very stiff to hard (A-6) 667.9 SAND & GRAVEL-brown & gray-medium dense (A-1) SANDY LOAM with Fractured Rock-gray-dense to very dense (A-2) Clayey SAND, GRAVEL & FRACTURED ROCK-gray-very dense (A-2) Auger Refusal @ -31.0' End Of Boring Hollow Stem Augers CME Automatic Hammer SAND & GRAVEL-gray-medium dense (A-1-b) | | | |

FILE NAME = ... \60R30-W047-012-Bor-mgl-dgn

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|  Zroka Engineering, P.C. 4216 North Hermitage Chicago, IL 60613 | DESIGNED - LAS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BORING LOGS 1 STA. 3965 +23.00 TO STA. 3968 +25.00 SN 022-W047 | F.A.P. RTE. 338 | SECTION (112 & 113) WRS-7 | COUNTY DUPAGE | TOTAL SHEETS 1156 | SHEET NO. 858 |
| | CHECKED - DAZ | REVISED - | | | CONTRACT NO. 60R30 | | | | |
| | DRAWN - SAW | REVISED - | | | SHEET NO. SA-12 OF SA-13 SHEETS | | | | |
| | DATE - 12/14/2012 | CHECKED - LAS | | | REVISED - | ILLINOIS FED. AID PROJECT | | | |