| | | | | | | | PAGE | 1 | of | 4 | |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|---------------------------------|------------|-----------------|-------------------------------------------|------------|-------------|----------------|-------------|----------|
| Geo Services Inc | | S | OI | L F | OF | RING LOG | | 2/8-9 | | | |
| Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Arpherit-Caurt, Sulte 204 Naperville, Illingis 60565 | | _ | | _ • | | | | ED BY | | | |
| Naperville, Illinois 60565 (630) 355-2838 | | | | | | | | OB No. | | | |
| ROUTE FAP 353 (US 30) | DESC | RIPT | ΠON | 115 1 | Route | 30 @ F.J&F/CN Palls | | | | | |
| | | | | | | | | NO. D- | 31-04 | <u>5-12</u> | |
| SECTION 11-Y-A | | | | | | | | DE 0145 | | | |
| | _ DKILL | LING | ME | HOD . | Holli | ow Stem Auger/Rotar | | E CME | Auton | Iatic | _ |
| STRUCT. NO Station | - | D | В | Ų | м | Surface Water Elev. Stream Bed Elev. | n/a n/a | | D B | | |
| BORING NO. BS-02 | - | E P | P P | CS | 0 | Groundwater Elevation | | _ | E L | | 1 |
| Station 276+82 | _ | H | W | Qu | S | First Encounter | 624.4 | | T W | | ١ |
| Offset 25.4' Right | - 1 | 12.5 | | 100.00 | | Upon Completion | n/a | | | | L |
| Ground Surface Elev. 632. | | | (/6") | (tsf) | (%) | After Hrs. | | | (ft) (/e | ") (tsf) | 7 |
| 4.0" ASPHALT, 6.0" SAND & GRAVI | EL 31.6 | _ | | | | SILTY LOAM-gray-lo | ose (A-4) | 611.9 | \dashv | | ı |
| | - | | 2 | | | | | - | - | | I, |
| Clayey TOPSOIL-black | (- | \exists | 3 | | | | | _ | 4 | | Τ |
| | 629.4 | - | 4 | 2.5P | 25 | | | | 5 | 1.0B | 4 |
| | 029.4 | | | | | | | - | _ | | ı |
| SILTY CLAY-brown & gray- | - | | 3 | | 93 | | | _ | $-\frac{1}{2}$ | | 4 |
| stiff (A-6) Wet | | _ | 5 | | | SILTY CLAY LOAM-g medium stiff to stif | | | 5 | | l |
| | 626.9 | -5 | 6 | 1.8B | 26 | mediam som to som | (| _ | -25 4 | 0.5B | 4 |
| | _ | | | | | | | _ | | | ı |
| SANDY CLAY LOAM-brown & gray- | _ | _ | 1 | _ | H | | | | 3 | 4 | 4 |
| very loose (A-2) | - | | 1 2 | | 21 | | | - | - | | |
| | 624.4 | | | | _ | | | _ | 丁 | T''' | T |
| | | _ | | l | | l | | | \Box | | ı |
| | | | | | | | | | | | |
| SILTY LOAM-gray-loose (A-4) | _ | \dashv | 2 | | H | | | - | 3 | - | ╈ |
| SILTY LOAM-gray-loose (A-4) | - | _ _10 | 3 4 | NP | 19 | | | - | 3 30 3 | | |
| SILTY LOAM-gray-loose (A-4) | 621.9 | _ _10 | | NP | 19 | | | - - | _ | | <u>,</u> |
| SILTY LOAM-gray-loose (A-4) | 621.9 | -10 | 4 | NP | 19 | | | - - | _ | | 3 |
| SILTY LOAM-gray-loose (A-4) LOAM-gray-loose (A-2/A-4) | 621.9 | _10 | | NP | 19 | | | 600.4 | _ | | |
| | - | | 3 | NP NP | | | | 600.4 | _ | | |
| | 621.9 | | 4 3 5 | | | | | 600.4 | _ | | |
| LOAM-gray-loose (A-2/A-4) | - | | 4 3 5 | | | | | 600.4 | _ | | |
| | - | | 3 5 5 5 | NP | 25 106 | SILTY LOAM-gray-lo | ose (A-4) | 600.4 | | 0.5B | |
| LOAM-gray-loose (A-2/A-4) SILTY CLAY LOAM-gray- | 619.4 | | 3 5 5 | | 25 106 | SILTY LOAM-gray-lo | ose (A-4) | 600.4 | | 0.5B | |
| LOAM-gray-loose (A-2/A-4) SILTY CLAY LOAM-gray- | - | | 3 5 5 5 | NP | 25 106 | SILTY LOAM-gray-lo | iose (A-4) | 600.4 | | 0.5B | |
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| LOAM-gray-loose (A-2/A-4) SILTY CLAY LOAM-gray- loose (A-4) | 619.4 | | 3 5 5 5 3 4 5 | NP 0.3B | 25 106 22 | SILTY LOAM-gray-lo | iose (A-4) | 600.4 | | 0.5B | |
| LOAM-gray-loose (A-2/A-4) SILTY CLAY LOAM-gray- | 619.4 | | 3 5 5 5 3 4 5 | NP | 25 106 22 | SILTY LOAM-gray-lo | iose (A-4) | - | | 0.5B | |
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| LOAM-gray-loose (A-2/A-4) SILTY CLAY LOAM-gray- loose (A-4) | 619.4 | | 3 5 5 5 3 4 5 | NP 0.3B | 25 106 22 | SILTY LOAM-gray-to | | - | | 0.5B | |

| SOL BORING LOG Services Inc. Solid Boring Log Solid Boring L | | | | | | | | | | |
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| LOGGED BY DR DR Color DR DR DR DR DR DR DR D | | SOI | 1 5 | 201 | NG LOG | | | | | _ |
| ROUTE FAP 353 (US 30) DESCRIPTION US Route 30 | Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amberst Court, Suite 204 | 301 | | , Or | MING LOG | | | | | _ |
| ROUTE FAP 353 (US 30) DESCRIPTION US Route 30 | Noperville, Illinois 60565 (630) 355-2838 | | | | | | | | | _ |
| SCTION 11-Y-A LOCATION SEC 20 & 29 T 35 N, R 15 E. 3rd PM | | DESCRIPTION | US F | Route | 30 @ FJ&F/CN Railroad, IDC | | | | | _ |
| COUNTY Cock | | | | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | _ | |
| STRUCT. NO. —— Station —— | | | | | | | E Auto | omatic | c | |
| Station —— BORNIC NO. BS—02 BORNIC NO. BS—02 Station 276+82 Offset 25.4 Right Ground Surface Elev. 632.4 (H) (/6*) (tsf) (3) SILTY CLAY-gray-medium dense (A-3) SAND-gray-dense (A-3) SAND-gray-dense (A-3) SAND-gray-dense (A-1) SAND-gray-medium dense (A-1) SAND-gray-medium dense (A-1) SAND-gray-medium dense (A-4) SILTY LOAM-gray-medium dense (A-4) | | | | | | | | 30000 | | 1200 |
| Stattien No. 176+82 Offset 25.4* Right Ground Surface Elev. 632.4 (ft) /6* (tsf) (%) After hrs. 264.4 (ft) /6* (tsf) (%) After hrs. 264.4 (ft) /6* (tsf) (%) After hrs. 276.4 (ft) /6* (tsf) (ft) / | Station | EL | C | | | | E | L | C | 0 |
| Offset 25.4* Right Ground Surface Elev. 632.4 (it) /e* (tsf) (%) After Hrs. WE SILTY CLAY-gray- medium stiff (A-6) Wet SAND-gray- loose to medium dense (A-3) SAND-gray- loose to medium dense (A-3) SAND-gray- medium dense (A-1) SAND & GRAVEL-gray- medium dense (A-1) SAND & GRAVEL-gray- medium dense (A-1) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense to dense (A-4) SILTY CLAY-gray- medium dense to dense (A-4) SILTY CLAY-gray- medium dense to dense (A-4) SILTY CLAY-gray- medium stiff (A-6) Wet 7 99 -60 10 0.68 25 | | TW | | S | SCHOOL SECURITY AND ADDRESS OF SECURITY SCHOOL SECURITY AND ADDRESS OF SECURITY SCHOOL SECURIT | _ | II | W | | S |
| SAND-gray-medium stiff (A-6) Wet | Offset 25.4' Right | | Qu | Т | | | н | S | Qu | Т |
| SAND-gray- loose to medium dense (A-3) SAND & GRAVEL-gray- medium dense (A-1) SAND & GRAVEL-gray- medium dense (A-1) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense (A-4) SILTY LOAM-gray- medium dense to dense (A-4) SILTY CLAY-gray- medium stiff (A-6) Wet 7 99 -60 10 0.68 25 -80 21 NP 22 | Ground Surface Elev. 632.4 | (ft) (/6" | (tsf) | (%) | After Hrs | ▼ | (ft) (| /6") ([*] | tsf) | (%) |
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| SAND-gray-loose to medium dense (A-3) SAND-gray-dense (A-3) SAND-g | | | | | | | コ | | | |
| SAND-gray- loose to medium dense (A-3) -45 5 NP 23 -45 5 NP 23 -55 NP 23 -565 21 NP 18 -657 21 NP 18 -657 21 NP 18 -658 | | _ | | | | 570.4 | 1 | | | |
| SAND-gray- loose to medium dense (A-3) -45 5 NP 23 -45 5 NP 23 -55 NP 23 -565 21 NP 18 -657 21 NP 18 -657 21 NP 18 -658 | | \perp | | | | | ゴ | 1 | | |
| SAND-gray- loose to medium dense (A-3) -45 5 NP 23 -45 5 NP 23 -55 NP 23 -565 21 NP 18 -657 21 NP 18 -657 21 NP 18 -658 | | \dashv_{\star} | | | | | - | 10 | | |
| SAND—gray— loose to medium dense (A-3) | | 5 | | | SAND-gray-dense (A-3) | | コ | | | Т |
| SILTY CLAY-gray-medium stiff (A-6) Wet ST5.4 SILTY CLAY-gray-medium stiff (A-6) Wet Total Page Tota | SAND-grav- | <u>-45 5</u> | -45 5 NP | | | | -65 | 21 | NP | 18 |
| SILTY CLAY-gray- medium stiff (A-6) Wet -3 -3 -4 -50 6 NP 20 -50 6 NP 24 -50 9 NP 24 -50 | | | | | | | | | | |
| SILTY CLAY-gray- medium stiff (A-6) Wet -3 -3 -4 -50 6 NP 20 -50 6 NP 24 -50 9 NP 24 NP 20 NP 21 NP 20 NP 25 NP 2 | | + | | | | 565 | , + | + | _ | _ |
| SAND & GRAVEL—gray— 9 9 70 11 NP 19 19 560.4 | | | _ | | | 000. | | 4 | | |
| SAND & GRAVEL—gray— 9 9 70 11 NP 19 19 560.4 | | _ | | | | | _ | | | |
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| SILTY CLAY-gray- medium stiff (A-6) Wet - 5 | | \dashv | | | | | \dashv | | | |
| SILTY CLAY-gray- medium stiff (A-6) Wet - 7 - 60 10 0.68 26 - 55 9 NP 24 - SILTY LOAM-gray- medium dense to dense (A-4) - 18 - 75 20 NP 21 - 7 - 17 - 17 - 17 - 80 21 NP 20 | | - | | | | 560.4 | 4 | | | |
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| | | | | _ | | | \dashv | _ | \dashv | H |
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| SILTY CLAY-gray- medium stiff (A-6) Wet 7 | | - | | | medium dense to dense (A- | -4) | _ | | | |
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| medium stiff (A-6) Wet 7 98 11 17 17 17 17 17 17 17 17 17 17 17 17 | 5 | 75.4 | | | | | \dashv | | | |
| medium stiff (A-6) Wet 7 98 11 17 17 17 17 17 17 17 17 17 17 17 17 | | - | | | | | ゴ | | | |
| 7 | | | | 99 | | | \exists | 11 | | |
| -60 10 0.68 26 -80 21 NP 20 The Unconfined Compressive Strength (UCS) Failure Made is indicated by (8-Bulge, S-Shear, P-Penetrometer) ST-Shelly Tube Sample VS-Vane Shear Test | N 2 | | | | | | | 17 | | |
| The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206). The Unit Ory Weight (not) is noted in italics above moist (% | The Unconfined Compressive Strength (UCS) Failur | re Mode is indica | ted by (| B-Bul | ge, S—Shear, P—Penetrometer) ST—Sh | nelby Tube Sample | VS= | Vane S | hear | Test |

| | 5 | OΠ | F | OF | RING LOG | PAGE <u>3</u> DATE <u>2/8-</u> 9 | | | - |
|-------------------------------------------------------------------------------------------------------------------------|------------|---------|-------|--------|---------------------------------------------------|----------------------------------|-----------|------------|-----|
| Geo Services, Inc. Geotechnical, Environmental & Givil Engineering 805 Arberts Court, Style 204 Napervile, Hingis 60565 | J | OII | | 01 | MINO LOG | LOGGED BY | | <u>-</u> | - |
| Naperville, Illinois 60565 (630) 355+2838 | | | | | | GSI JOB No. | | 74 | |
| ROUTE FAP 353 (US 30) DES | CRIP | пом | US F | Route | 30 © EJ&E/CN Railroad | d. IDOT Job No. D- | 91-04 | 46-12 | _ |
| SECTION 11-Y-A LOC | OITA | N_SE | C 20 | & 2 | 29. T 35 N. R 15 E. 3r | rd PM | | | _ |
| COUNTY Cook DRIL | LING | MET | HOD _ | Hollo | ow Stem Auger/Rotary H | AMMER TYPE CME | Auto | matic | _ |
| STRUCT. NO | D | В | Ū | м | | n/a | D | ви | м |
| Station | E | L | Co | 0 | Stream Bed Elev | n/a | E | LC | 0 |
| BORING NO. BS-02 | P | 0 W | | S | Groundwater Elevation: | | T | o s | S |
| Station <u>276+82</u> Offset <u>25.4' Right</u> | Н | S | Qu | Т | | 24.4 ▼ /a ▼ | н | S Qu | Ţ |
| Ground Surface Elev. 632.4 | (ft) | (/6") | (tsf) | (%) | After Hrs | ▽ | (ft) (/ | '6") (tsf) | (%) |
| | _ | | | | | | \dashv | | |
| | \equiv | | | | CLAY-gray-very stiff (| A-6) - | ユ | | |
| | _ | | | | | 530.4 | \Box | | |
| | _ | | | | | | + | + | Н |
| | _ | | | | | - | \neg | | |
| SILTY LOAM-gray- | _ | 7 10 | | - | | :- | | 8 32 | 137 |
| medium dense to dense (A-4) | -85 | 13 | NP | 26 | | | | 1.9B | 9 |
| | - | | | | | | \dashv | | |
| | \equiv | | | | SANDY CLAY LOAM with | Gravel-gray- | ユ | \bot | |
| | _ | | | | very dense (A-2) | - | _ | | |
| | _ | | | \neg | | _ | | + | Н |
| | _ | | | | | | \neg | | |
| | _ | 12 | | - | | 2 <u>-</u> | _ | 0/5 | Н |
| | -90 | | NP | 22 | | | -110 | NP | 10 |
| | _ | | | | | | \dashv | | |
| | _ | | | | | (= | ユ | | Ц |
| 540.4 | t | | | | | ν- | \dashv | | |
| | _ | | | | | - | ゴ | | П |
| | _ | 5 | | 101 | | | ٦, | 0/3 | |
| | \equiv | 9 | | 707 | | | <u> </u> | //3 | П |
| | <u>-95</u> | 11 | 2.0B | 25 | | 4 | -115 | NP | 14 |
| CLAY-gray-very stiff (A-6) | _ | | | | | 516.4 | | | |
| | | L | | | Drillers Observation: Ap | | 7 | + | Н |
| | _ | | | | | | + | | Н |
| | | | | | Silurian System, Niagard RUN 1 (-117.0' to -12 | | \Box | | |
| | - | 6 | | 112 | | | \dashv | RUN 1 | 1 |
| | \equiv | 10 | | | bedding becoming light | gray mottled | \exists | | |
| | -100 | 14 | 2.4B | 19 | gray & slightly porous | ₩ -120.J | -120 | | |

The Unconfined Compressive Strength (UCS) Foliure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Yane Shear Te The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in italics above moist

| | V3 Companies of Hillnois Ltd. |
|------------|-------------------------------|
| / > | 7325 Janes Avenue |
| | Woodridge, IL 60517 |
| | 630.724.9200 phone |
| \ \\ | 630.724.9202 fax |
| | www.v3co.com |

| _ | | | |
|---|--------------|----------------|---------|
| | USER NAME = | DESIGNED - WJV | REVISED |
| | | CHECKED - CJB | REVISED |
| | PLOT SCALE = | DRAWN - WJV | REVISED |
| | PLOT DATE = | CHECKED - CJB | REVISED |

| SOIL BORING LOGS | | SECTION | COUNTY | TOTAL | SHEE NO. |
|-------------------------|-----|---------------|-------------|-------|-------------|
| | 353 | 11-Y-A | соок | 354 | 286 |
| TRUCTURE NO. 016–1415 | | | CONTRAC | T NO. | 60R19 |
| SHEET NO. 6 OF 7 SHEETS | | ILLINOIS FED. | AID PROJECT | | |
| | | | | | |