| | | | DACE | _1 of _ | 3 | | |
|--|------------------------------------|---------|--|---------------------------|---------------|--|--|
| | SOII | R∩ı | 200 100 | 100.00 | J | | |
| Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court. Suite 204 Naperville, Illingis 60565 | SUIL | וטט | | DATE DR | | | |
| 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838 | | | | LOGGED BY <u>2/3/2012</u> | | | |
| | | | | IOB No. <u>09174</u> | | | |
| ROUTE _FAP 353 (US 30) | | | | No. D-91-046 | -12 | | |
| SECTION 11-Y-A | _ LOCATION _SEC_2 | 0 & | 29. T 35 N. R 15 E. 3rd PM | | | | |
| COUNTY Cook | _ DRILLING METHOD | Holl | ow Stem Auger/Rotary HAMMER TY | PE Diedrich Auf | tomatic | | |
| STRUCT. NO | - _D _B u | М | Surface Water Elev. <u>n/a</u> | — I _D I в | ا يا | | |
| Station | - E L C | Ö | Stream Bed Elev. <u>n/a</u> | Ĕ Ĺ | č | | |
| BORING NO. <u>BS-08</u> Station <u>281+25</u> | - T W | s | Groundwater Elevation: First Encounter 625.5 | TW | | | |
| Offset 2.5' Right | _ H S Qu | T | Upon Completion n/a | H S | Qu | | |
| Ground Surface Elev. 631. | 5 (ft) (/6") (ts | (%) | After Hrs | | (tsf) | | |
| | 4.1 | | | _ | | | |
| TOPSOIL, GRAVEL & STONE-black- | AS - | 26 | | 3 | | | |
| loose (Fill) | 4 | \top | | 3 | \Box | | |
| | 3 NF | 11 | | 6 | 1.5P | | |
| | 628.5 | | | | | | |
| SILTY CLAY—brown & gray— | 74 | \perp | | 2 | \sqcup | | |
| very stiff (A-6) | ے 5 ا _م | iP 30 | SILTY LOAM-gray-loose (A-4) | 3 | 1.0P | | |
| | <u>-5 4 2.75</u> | 9 30 | | -25 5 | 1.02 | | |
| | 625.5 | | | | | | |
| | _2) | + | | 3 | \vdash | | |
| LOAM-brown & gray-very loose (A- | -2) — ¦ _{NF} | 25 | | − 1 ³ 4 | 0.5P | | |
| | 623.5 | | | | | | |
| | \dashv_{\perp} | | | \dashv | | | |
| LOAM-gray-medium dense (A-2) | 5 | \top | | 2 | \Box | | |
| | 10_6_NF | 18 | | <u>-30 3</u> | NP | | |
| | 621.0 | | | - | | | |
| | 3 | ┸ | | | | | |
| SILTY LOAM-gray-medium dense (A | A-4) — 6 NF | 23 | | 599.5 | | | |
| | 618.5 | 123 | | | \Box | | |
| | | | | | | | |
| SILTY CLAY LOAM-gray- | 2 4 | 102 | Shirt Lonin-gray | 7 | \vdash | | |
| medium dense (A-4/A-6) | <u>-15 6 1.1</u> | 23 | medium dense (A-2) | _35 8 | NP | | |
| | 616.0 | | | - | | | |
| | - ₂ | | | \dashv | | | |
| | 4 | Т | | 594.5 | П | | |
| SILTY LOAM-gray-loose (A-4) | 4 3.0 | P 19 | | + | \vdash | | |
| | \dashv \vdash | | SAND with Gravel-gray- | - | | | |
| | 72 | \perp | medium dense (A-1) | 6 | \sqcup | | |
| | 4 20 4 1.75 | 1 25 | | 9 409 | | | |
| The Unconfined Compressive Strength (UCS) Edi | | P 26 | ge, S—Shear, P—Penetrometer) ST—Shelby Tul | | NP e Shear | | |

| | | | | | | | DACE 0 | | 7 | |
|---|----------------------|----------------|--|----------|----------|--|----------------|---------------|---------|----------|
| | | c | 011 | | 00 | DINC LOC | PAGE 2 | of | | |
| Geo Services, Inc. Geotechnical, Environmental & Givil Engineering 805 Amberit Court, Sulte 204 Noperville, Illingis 60565 | | | SOIL BORING LOG | | | | DATE DR | | | |
| 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838 | | | | | | | LOGGED BY | | | |
| | | | | | | | GSI JOB No. | | | |
| ROUTE FAP 353 (US 30) | _ DESC | RIP | TION | US F | Route | 30 © EJ&E/CN Railroad, ID | OT Job No. D | -91-04 | 6-12 | |
| SECTION 11-Y-A | _ LOCA | TIO | N S | C 20 | & 2 | 29. T 35 N. R 15 E. 3rd P | М | | | |
| COUNTY Cook | _ DRILL | LING | MET | HOD _ | Holle | ow Stem Auger/Rotary HAMM | ER TYPE Die | drich A | utom | atic |
| STRUCT. NO | - [| D | В | ū | м | Surface Water Elev. <u>n/a</u> | | D | 3 L | ī |
| Station | - 1 | E | L | Č | 0 | Stream Bed Elev. n/a | | E | | : 1 |
| BORING NO. <u>BS-08</u> | - 1 | P | O W | s | S | Groundwater Elevation: | | | 0 3 | ۱ ۱ |
| Station 281+25 | - | Ĥ | s | Qu | Ť | First Encounter 625.5 | | | | u |
| Offset 2.5' Right Ground Surface Elev. 631. | 5 | (ft) | (/6") | (tsf) | (%) | Upon Completion n/a After Hrs | — ▼ | (ft) (/ | 6") (ts | sf) |
| Ordered Surface Lief. UST. | <u>~</u> | , | | / | , | FILCO 111 0 | | ···// | 1 | 4 |
| SAND with Gravel-gray- | | _ | 1 | | | | | | | I |
| nedium dense (A-1) | - | | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | Ш | | | ユ | \perp | _ |
| | 589.5 | - | | | | | | \dashv | | - |
| | | - | \vdash | \vdash | Н | | | + | + | \dashv |
| | - | | 1 | | | SANDY LOAM-gray- medium dense (A-2) | | \neg | | |
| | _ | | 8 | \Box | | mediani dense (A-Z) | | ᆚ | ۰ | _ |
| | | - | 7 | | | | | _ | 11 | _ |
| SAND-gray-medium dense (A-3) | - | -45 | 6 | NP | 22 | | | <u>-65 1</u> | 3 N | 러 |
| | | | 1 | | | | | | | |
| | - | Ξ | Щ | \sqcup | Ш | | | ユ | \perp | 4 |
| , | - | _ | | | | | 564.5 | 7 | | |
| | | - | \vdash | \vdash | \vdash | | | + | + | \dashv |
| | _ | | 1 | | | | | | | |
| | _ | | 9 | Щ | Ш | | | $\overline{}$ | ٥ | 4 |
| | | = | 13 | | | | | | 5 | اي |
| | _ | -50 | 16 | NP | 22 | | 8 | <u>-70 1</u> | BIN | 러 |
| | | _ | 1 | | | | | | | |
| | - | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | | | | \neg | \perp | Ц |
| | 579.5 | _ | | | | | | \dashv | | I |
| | | _ | \vdash | \vdash | | SAND-gray-dense (A-3) | | + | + | ┥ |
| | | | 1 | 1 | | | | \neg | 1 | - [|
| | - | _ | | | | | | | | |
| | _ | - | 5 | | | | 3 | ᅺ | 4 | 4 |
| | - | - | 6 | | | | 2 | Z | 3 | + |
| | - | -55 | | NP | 14 | | | Z | 3 | Р |
| | - | -55 | 6 | NP | 14 | | | Z | 3 | Р |
| medium dense (A-1) | - | | 6 | NP | 14 | | | Z | 3 | Р |
| medium dense (A-1) | 574.5 | | 6 | NP | 14 | | | Z | 3 | P |
| medium dense (A-1) | 574.5 | -55 | 6 | NP | 14 | | | Z | 3 | Р |
| SAND & GRAVEL-gray- medium dense (A-1) | - - - 574.5 | -55 | 6 | NP | 14 | | | Z | 3 | P |
| medium dense (A-1) | - - 574.5 | | 6 | NP | 14 | | | | 3 | P |

PAGE <u>3</u> of <u>3</u> Geo Services, Inc. chnicol, Environmental & Givil Engine 805 Amberat - Court, Sutte 204 Naperville, Illinois - 60565 (630) -355-2838 SOIL BORING LOG DATE DR LOGGED BY 2/3/2012 GSI JOB No. <u>09174</u> DESCRIPTION US Route 30 © EJ&E/CN Railroad, IDOT Job No. D-91-046-12 LOCATION SEC 20 & 29, T 35 N, R 15 E. 3rd PM DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE Diedrich Automa Surface Water Elev. n/aStream Bed Elev. n/aSTRUCT. NO. ___ Station ___ T W Qu S , BORING NO. **BS-08**Station 281+25
Offset 2.5' Right Groundwater Elevation:
First Encounter 625.5
Upon Completion n/a(ft) (/6") (tsf) (%) After _____ Hrs. 631.5 Ground Surface Elev. SAND-gray-dense (A-3) <u>-105</u> -85 11 2.58 24 CLAY LOAM-gray-very dense (A-4/A-6) CLAY-gray-stiff to very stiff (A-6) ___ 47 _-11050/4 4.6S 11 Drillers Observation: Possible Bedrock. End Of Boring © -115.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion Diedrich Automatic Hammer CLAY LOAM-gray-very dense (A-4/A-6)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear T 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 mois

| | 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 - EVS | REVISED |
|--------------|----------------|---------|
| | CHECKED - WJV | REVISED |
| PLOT SCALE = | DRAWN - EVS | REVISED |
| PLOT DATE = | CHECKED - WJV | REVISED |

| SOIL BORING LOGS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------------|------------|-----------------|--------------|
| STRUCTURE NO. 016-1279 | 353 | 11-Y-A | соок | 354 | 246 |
| 31NOCIONE NO. 010-1275 | | | CONTRAC | NO. | 60R19 |
| SHEET NO. 26 OF 35 SHEETS | | ILLINOIS FED. A | ID PROJECT | | |