STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | Illinois De of Trans | of Highways eering | 11101 | 1 | | SOIL BORING | LOG | | dgo | 1 (| 71 _3 |
|---|--------------------------|-----------------------|---------------|-------------------|-------------|---------------------------------------|---------------------------|-------------|---------------|----------------|-------------|
| ROUTEF/ | AP Route 10 | | PTION | IL I | Route | 267 Bridge Replacement Creek | over Taylor | | | _02/2 Terra | |
| SECTION | 410BR-1 | | LOCATIO | ON _! | Rockbr | idge Township, SEC. 28, | TWP. 10N, RNG. 10 | W | | | |
| COUNTYG | reene DRIL | LING MET | HOD | | | ME 550 w/HSA | HAMMER TYPE | | Auto | matic | |
| | Existing 031-0018 | | B L O | U C S | M 0 I | Surface Water Elev Stream Bed Elev | f† | D E P | B L O | U C S | M 0 I |
| Station | B-3 86+44 56 ft Rt | _ T | | Qu | S T | | 497.5 ft <u>\</u> - ft | H | W S | Qu | S T |
| Ground Surface FILL: Brown, hig | Elev. 508.5 | f† (f1 | (/6") | (tsf) | (%) | After Hrs | | (ft) | (/6") | (tsf) | (%) |
| some gravel (A-7) Rock | and Crushed | _ | 3 | | | CLAY: Brown, high plates | stic, some | .0 | 0 | | |
| | | | 18 42 | 0.4 B | 25 | (A-7) | | = | 5 8 | 1.9 B | 20 |
| TLL: Brown, high some sand (A-7) | plastic clay, | 505.5 | 2 2 | 1.4 | 19 | | | | 4 | 4.0 | 19 |
| | | | -5 3 | В | 13 | | | -25 | 12 | В | |
| Grades to t | race organics | - | 2 2 1 | <0.25 P | 25 | , | | | 5 7 9 | 2.8 B | 18 |
| No recovery | , | - | 2 3 | - | | | | | 9 10 11 | 1.8 P | 16 |
| | | | 10 . | | | | | -30 | | | |
| | | | 12 13 9 | 0 . 5 B | 24 | | | | | | |
| SANDY CLAY: Brown plastic, trace gra A-6) | vn, low ovel | 495,5 | 3 | 4.0 | | | | | 7 | 0.7 | |
| | | 493.0 | 6 15 10 | 4.0 B | 15 | | | -35 | 9 14 | 0.3 P | 19 |
| CLAY: Brown, hig sand, trace grav (A-7) | n plastic, some el | | 7 9 | 0.6 | 23 | | | | | | |
| SANDY CLAY: Brow | vn. low | 490.5 | 13 | В | | | | | | | |
| plastic, trace gr (A-6) | ovel | | 9 13 | 3.1 B | 19 | Becomes grayish | brown | | 6 9 11 | 2.1 B | 16 |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

| Illinois Depo of Transpo Bitlefon of High Stit Engineerin | avoye | 1 | | SOIL BORING LOG | | e <u>2</u> | |
|---|---------------------|----------------------------|-----------------------|--|---------------------|----------------------------|-----------------------|
| ROUTE FAP Route 10 DI | ESCRIPTION | IL R | | 267 Bridge Replacement over Taylor Creek LOG | | 02/2 Terra | |
| SECTION 410BR-1 | LOCATIO | N R | ockbr | idge Township, SEC. 28, TWP. 10N, RNG. 10W | | | |
| COUNTY Greene DRILLING | METHOD | | С | ME 550 W/HSA HAMMER TYPE | Au | tomatic | |
| STRUCT. NO. Existing 031-0018 Station 86441 BORING NO. 86444 Offset 56 ft Rt Ground Surface Elev. 508,5 f | D B L P O T W H S S | U C S Qu (tsf) | M 0 I S T | Surface Water Elev. | D B E L P O T W H S | U C S Qu (†sf) | M 0 I S T |
| CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued) | | | | SAND: Brown, fine to medium (A-3) | | | |
| | 7 8 9 | 2.3 B | 20 | | 0 0 | - | 18 |
| Driller encountered broken rock at approximately 46 feet. | | | | Mud rotary mixture/water added to augers at 65 feet. | | | |
| | -50 6 | 2.1 B | 21 | | 7 9 -70 11 | - | 23 |
| Driller encountered broken rock at approximately 52 feet. | | | | SILTY SAND: Brown, fine (A-2) | | | |
| No recovery | 9 11 -55 12 | - | | | 10 18 -75 21 | - | 22 |
| | | | | SILTY CLAY: Grayish brown, low plastic, trace sand (A-6) | - | | |
| Grades to trace sand and gravel | 10 12 -60 15 | - | 22 | | 6 9 | 1.0 B | 24 |

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AASHTO Classifications are based on visual classifications unless otherwise noted
BBS, form 137 (Rev. 8-99)

| P | Illinois Dep of Transp Division or SCI Englise | oartment oortatior ^{f Highways} ^{erling} | <u> </u> | SOIL BORIN | G LOG | - | 3 of 3 |
|---|---|---|----------------------------|--|------------------------|--|---------------------------------------|
| ROUTE | FAP Route 10 | DESCRIPTION | IL Ro | oute 267 Bridge Replaceme Creek | ent over Taylor LOG | | |
| SECTION | 410BR-1 | LOCATIO | ON <u>Ro</u> | ockbridge Township, SEC. 2 | 8, TWP. 10N, RNG. 10W | ······································ | |
| COUNTY | Greene DRILL | ING METHOD | - | CME 550 w/HSA | HAMMER TYPE | Auton | natic |
| Station BORING NO. Station Offset | B-3 86+44 56 ft Rt ace Elev. 508.5 | E L P 0 T W S | U C S Qu (†sf) | M Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs. | f†f†f† | D B E L P O T W H S | U M C 0 S I S I S Qu T |
| SILTY CLAY: (plastic, trace (A-6) (continue | Crayish brown, low sand ed) | | | Refusal with tri-col at 100.5 feet. | ne bit on shale | | |
| | | 10 -85 13 | 2.8 B | 21 | - | -105 | |
| SAND: Brown, (A-3) | fine to medium | 421.5 | | | | | |
| | | 18 20 -90 22 | - | 17 | - - | -110 | |
| | | | | | - | | - |

The Unconfined Compressive Strength (UCS) Fallure Mode is indicated by (B-Buige, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

SANDY CLAY: Brown, low plastic, some gravel (A-4)

Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois DESIGNED: K-E-G DRAWN: SJS CHECKED: DCD CHECKED: DCD

SOIL BORINGS (3 OF 3)

ILLINOIS 267 OVER

TAYLOR CREEK

STRUCTURE NO. 031-0043

| 0.1555 | F.A.P. RTE. | SEC | TION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------|----------------|--------------|---------------|-------------|-----------------|--------------|
| SHEET 19 | 10 | 4108 | BR−1 | GREENE | 37 | 31 |
| OF 19 | | STA. 85+20 | .50 | CONTRACT | NO. 7 | 6B58 |
| | FED. RO | AD DIST. NO. | ILLINOIS FED. | AID PROJECT | | |