BRAUN INTERTEC

# LOG OF BORING

**Braun Project CR-13-03987**
**Geotechnical Evaluation**
**I-80 & I-380/US 218 Interchange**
**Johnson County**
**Coralville, Iowa**

BORING: **BR2762**

LOCATION: Station 8560+20, CL

DRILLER: K. Elliot/J.Smith | METHOD: 3 1/4" HSA, Autohammer | DATE: **12/4/16** | SCALE: **1" = 3.8'**

(See Descriptive Terminology sheet for explanation of abbreviations)

| Elev. feet | Depth feet | Symbol | Description of Materials (Soil-ASTM D2488 or D2487, Rock-USACE EM1110-1-2908) | BPF | WL | MC % | DD pcf | Tests or Notes |
|---|---|---|---|---|---|---|---|---|
| 695.8 | 0.0 | | | | | | | |
| 695.6 | 0.3 | TS | Topsoil | | | | | |
| | | FILL | FILL: Silty Clayey Sand with Clay pockets, fine- to medium-grained, brown and gray, moist | | | | | |
| | | | | 8-9-8 (17) | | 12 | | LL= 20, PL= 15, PI= 5 P200= 43% |
| | | | | 4-6-5 (11) | ▽ | | | An open triangle in the water level (WL) column indicates the depth at which groundwater was observed while drilling. |
| 684.8 | 11.0 | | | | | | | |
| | | FILL | FILL: Lean Clay with Sand, trace Gravel, brown, moist | | | | | |
| | | | | 2-4-6 (10) | | 19 | | LL= 36, PL= 19, PI= 17 P200= 84% |
| | | | | 4-3-8 (11) | | | | |
| | | | | 4-4-4 (8) | | | | |
| 670.8 | 25.0 | | | | | | | |
| | | CL | LEAN CLAY, trace Sand and roots, dark gray, moist, stiff (Alluvium) | | | | | |
| | | | | 3-5-8 (13) | | 26 | | LL= 36, PL= 23, PI= 13 P200= 86% |
| 665.8 | 30.0 | | | | | | | |

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BORING: **BR2762 (cont.)**

LOCATION: Station 8560+20, CL

DRILLER: K. Elliot/J.Smith | METHOD: 3 1/4" HSA, Autohammer | DATE: **12/4/16** | SCALE: **1" = 3.8'**

(See Descriptive Terminology sheet for explanation of abbreviations)

| Elev. feet | Depth feet | Symbol | Description of Materials (Soil-ASTM D2488 or D2487, Rock-USACE EM1110-1-2908) | BPF | WL | MC % | DD pcf | Tests or Notes |
|---|---|---|---|---|---|---|---|---|
| 665.8 | 30.0 | SP-SM | POORLY GRADED SAND with SILT, trace Gravel and Organics, fine- to coarse-grained, wet, medium dense (Alluvium) | 3-5-8 (13) | | | | |
| | | | | 2-10-8 (18) | | 34 | | LL= NA, PL= NP, PI= NP P200= 14% |
| 655.8 | 40.0 | CL | SANDY LEAN CLAY, trace Gravel, gray, moist, very stiff to hard (Glacial Till) | 3-7-10 (17) | | | | |
| | | | | 6-11-20 (31) | | 12 | | LL= 29, PL= 15, PI= 14 P200= 55% |
| 643.8 | 52.0 | LS | Moderately weathered LIMESTONE, moderately hard, fine-grained, thick bedded, moderately fractured, light gray | | | 1 | 164 | Run 1: 52' to 62' Recovery: 93% RQD: 77% $q_u$= 14,700 psi |
| | | | | | | 1 | 163 | $q_u$= 15,400 psi |

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BORING: **BR2762 (cont.)**

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DRILLER: K. Elliot/J.Smith | METHOD: 3 1/4" HSA, Autohammer | DATE: **12/4/16** | SCALE: **1" = 3.8'**

| Elev. feet | Depth feet | Symbol | Description of Materials (Soil-ASTM D2488 or D2487, Rock-USACE EM1110-1-2908) | BPF | WL | MC % | DD pcf | Tests or Notes |
|---|---|---|---|---|---|---|---|---|
| 635.8 | 60.0 | | Moderately weathered LIMESTONE, moderately hard, fine-grained, thick bedded, moderately fractured, light gray *(continued)* | | | | | |
| | | | | | | | | Run 2: 62' to 72' Recovery: 98% RQD: 92% |
| | | | | | | 1 | 163 | $q_u$= 13,500 psi |
| | | | | | | 1 | 165 | $q_u$= 14,800 psi |
| | | | | | | | | Run 3: 72' to 82' Recovery: 100% RQD: 93% |
| | | | | | | 1 | 163 | $q_u$= 16,400 psi |
| | | | | | | 2 | 159 | $q_u$= 13,700 psi |
| 613.8 | 82.0 | | AUGER REFUSAL AT 52 FEET. | | | | | |
| | | | END OF BORING. | | | | | |
| | | | Water observed at 9 feet while drilling. | | | | | |
| | | | Boring then backfilled. | | | | | |

(See Descriptive Terminology sheet for explanation of abbreviations)

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