| (P) | Illinois Department of Transportation |
|-----|---------------------------------------|
| | Illinois Department of Transportation |

SOIL BORING LOG

ROUTE

STRUCT. NO.

BORING NO.

SECTION

Date <u>8/14/08</u>

| ١ | llinois Department of Transportation | |
|---|---|--|
| / | of Transportation | |

19 VB-1

B-4 34+40

28.00ff Lt CL

Ground Surface Elev. 99.0
STIFF gray SILTY CLAY

MEDIUM gray SILTY CLAY

MEDIUM gray/brown SILTY CLAY LOAM with SAND lens

SOFT gray fine SAND with SANDY LOAM lens

VERY LOOSE brown fine SAND

MEDIUM gray clean medium coarse SAND

Stephenson DRILLING METHOD

DESCRIPTION

52.50

49.50

47.50

45.00

42.50

40.00 _

C

Qu

1.2 27

В

0.7 28

ft (ft) (/6") (tsf) (%)

FAP 5

Date <u>8/14/08</u>

LOGGED BY W. Garza

(ft) (/6") (tsf) (%)

- 23

29

29

5 0.9 20

HAMMER TYPE B-53 Diedrich Automatic

51.5 ft <u>▼</u>

37.50

Wash ft

SOIL BORING LOG

P92-030-09 BR 20 over the CC&P R.R., .1 m. E. of S. Hollywood Road

LOCATION Silver Creek Twp. - 4 NE, SEC. , TWP. 26N, RNG. 8E

Hollow Stern Auger

Surface Water Elev. Stream Bed Elev.

Groundwater Elev.: First Encounter

0.8 27 MEDIUM/DENSE gray clean medium coarse SAND

VERY DENSE gray clean medium

VERY DENSE gray clean medium coarse SAND with medium GRAVEL

MEDIUM gray SILTY LOAM with fine SAND lens

DENSE gray SANDY GRAVEL

coarse SAND with medium GRAVEL

Illinois Department of Transportation

Division of Highways

Illinois Department of Transportation

Page <u>3</u> of <u>3</u>

SOIL BORING LOG Date <u>8/14/08</u>

| | | | P92-030 | -09 BR 20 over the C | C&P R.R., .1 m. E. | | |
|--|--|---------------|----------------------------------|--|--------------------|-------------|----------|
| ROUTE | FAP 5 | DESCRIPTION | | of S. Hollywood | Road | LOGGED BY | W. Gar |
| SECTION | 19 VB-1 | LOCA | TION Sil | ver Creek Twp 4 NE, | SEC. , TWP. 26N, R | NG. 8E | |
| COUNTY _ | Stephenson DR | ILLING METHOD | | Hollow Stem Auger | HAMMER TYPE | B-53 Diedri | ch Autom |
| STRUCT. NO. Station BORING NO. STORY STOR | 5=8 3 (4) (2) 3 (0) (1) (2) 49.0 SANDY GRAVEL with LAY LOAM TILL | D B | U M C 0 S I S S Qu T | Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs. | 71.0 ft 51.5 ft | | ch Autom |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206). BBS, from 137 (Rev. 8-99)

| ROUTEFAP_5 | DESCRIPTION | P92-030-0 | 99 BR 20 over the CC&P R.R., .1 m. of S. Hollywood Road | E. LOGGED BY | W. Garza |
|---|--------------------------------------|-------------|---|---------------------------------|------------------|
| SECTION 19 VB-1 | LOCAT | ION Silver | r Creek Twp 4 NE, SEC. , TWP. 26N | I, RNG. 8E | |
| COUNTY Stephenson DRI | ILLING METHOD | Но | llow Stem Auger HAMMER TYP | E B-53 Died | rich Automatic |
| STRUCT. NO. Station BORING NO. B-4 | P 0 T W H S | | Surface Water Elev. Stream Bed Elev. 71.0 | ft ▼ H S ft (ft) (/6") | S I S Qu T |
| LUAM | 97.00 | 0.8 16 P | GRAVEL | 77.00 | |
| VERY DENSE brown dirty SAND & GRAVEL | 95.00 14 31 46 | | MEDIUM dark gray LOAM | 6 5 10 | 1.0 15 P |
| VERY DENSE brown dirty SAND & GRAVEL | 92.50 = 5 -5 -11 -39 -30 | | MEDIUM gray dirty SAND & medium GRAVEL | 72.00 -25 -25 - 7 - 13 | |
| DENSE brown dirty SAND & GRAVEL | 90.00 18 | | STIFF tan SILTY CLAY LOAM | 70.00 4 6 11 | 1.0 22 B |
| MEDIUM tan dirty SAND & GRAVEL | -10 - 10 9 87.50 _ 15 | | STIFF dark gray LOAM | -30 - 5 6 6 67.50 9 | 1.0 16 S |
| DENSE tan dirty SAND & GRAVEL | 12 16 16 | | STIFF gray SILTY CLAY LOAM | 5 8 12 | 1.7 18 B |
| STIFF groy LOAM with GRAVEL | 84.50 | 1.2 17 P | STIFF gray SILTY CLAY LOAM | -35 -7 -8 62.50 15 | 1.7 18 B |
| VERY STIFF gray LOAM with SAND & GRAVEL lens | 5 8 11 | 3.8 16 P | VERY STIFF gray CLAY LOAM | | 3.1 24 B |
| | 79.50 | | | -40 | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206).

BBS, from 137 (Rev. 8-99)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T205)

BBS, from 137 (Rev. 8-99)

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In the above logs, groundwater elevations are at the time the boring was taken.

Soil Boring Log Station and Elevation Shift Boring Log Station + 39515.05' = Plan Set Station Boring Log Elevation + 689.35' = Plan Set Elevation

| | 1170 SOUTH HOUBOLT ROAD | USE | | |
|--------|-------------------------|-----|--|--|
| | JOLIET, ILLINOIS 60431 | | | |
| STRAND | (815) 744-4200 | PLC | | |
| | IDFPR NO. 184-001273 | PLC | | |

| OAD | USER NAME = brianf | DESIGNED | KDH | REVISED | - |
|-----|----------------------|----------|-----|---------|---|
| | | CHECKED | AJS | REVISED | - |
| | PLOT SCALE = | DRAWN | BJF | REVISED | - |
| | PLOT DATE = 8/6/2012 | CHECKED | RRD | REVISED | - |
| | | | | | |