

505

LEGEND

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

505

500

N = SPT N-VALUE (AASHTO T206)
Qu = Unconfined Compressive Strength in tons per sq. ft. (tsf)
Failure Mode (B=bulge, S=shear, P=penetrometer)
w% = Moisture Content Percentage
▽ = Groundwater Level First Encountered
▽ = Groundwater Level Upon Completion
▽ = Groundwater Level (24 Hr Delayed Reading)

500

495

495

490

BORING B-1
STA 379+98
21' LT.
EL 487.6'

BORING B-3
STA 382+14
29' RT.
EL 487.6'

490

485

Qu/N/w%
3.7S/16/11

Asphalt - 8 Inches

Qu/N/w%

2.0P/8/15

Fill: Brown, Sandy Clay Loam

485

480

2.3S/14/13
2.6B/16/21

Fill: Brown and Gray,
Sandy Clay Loam, trace
fine gravel

BORING B-4
STA 380+96
29' RT.
EL 477.5'

BORING B-2
STA 381+27
38' LT.
EL 480.0'

Gravel/cobbles
encountered
during drilling
about 5.3-6'.

Qu/N/w%

0.5B/7/21

Fill: Brown, Silty Clay

480

475

0.8S/5/13
<0.25P/1/20

Fill: Brownish Gray,
Silty Clay Loam
Sandy Loam:
Brown

Qu/N/w%

- /14/12

Sandy Loam:
Brown, fine to
coarse, trace gravel

0.8P/3/20

Fill: Brown, Silty Loam
with deposits of fine to
medium sand

0.9S/4/22

Fill: Brown, Silty Loam

475

470

- /3/20

Sand: Brown,
fine to medium

1.8P/7/26

Silty Clay: Dark Brown

0.5B/7/12

Sand: Brown, fine to coarse,
trace clay

0.3B/3/23

Fill: Brown, Silty Loam

470

465

- /1/25

Sandy Loam: Brown

0.6B/0/27

Silty Clay: Dark Brown

<0.25P/2/28

Silty Clay Loam: Brown
Silty Loam: Brown, with deposits
of brown fine to medium sand

0.7B/5/28

Silty Clay: Brown

465

460

- /1/

Sand: Brown,
fine to medium

0.5B/4/26

Clay: Brown,
high plastic

- /10/8

Sand: Brown, fine to medium

0.9B/13/23

Sandy Clay Loam: Brown

460

455

- /0/

Silty Clay: Brown

- /26/22

Gravelly Clay:
Brown, some sand

- /20/

Sand: Brown, fine to coarse,
some fine gravel

- /35/

Gravel & Cobbles

455

450

0.3P/12/25

Sand: Brown, fine to medium
Clay Loam: Brownish Gray

- /14/

Sand: Brown, fine to medium

- /10/

Gravel & Cobbles

- /8/

Sand: Brown, fine to medium

450

445

- /18/

Sandy Clay Loam:
Brown, trace fine gravel

- /18/

Gravel, some sand

- /11/

Sand: Brown, fine to medium

- /32/

Sand: Brown, fine to medium

445

440

- /18/

Sand: Brown,
fine to medium

- /24/

Sand: Brown, fine to medium

- /27/

Sand: Brown, fine to medium

- /44/

Sand: Brown, fine to medium

440

435

- /34/

Sand: Brown, fine to medium

- /26/

Clay: Brown

4.0B/24/29

Clay: Brown

3.9B/19/29

Clay: Brown

435

430

3.9B/23/27

Clay: Brown

3.5B/16/26

Sandy Clay Loam: Brown

3.0P/17/32

Sand: Brown, medium to coarse

3.0B/14/27

Sand: Brown, fine to coarse,
some clay, trace fine gravel

430

425

- /19/

Sand: Brown, fine
to coarse, some clay,
trace fine gravel

- /31/

Sand: Brown, fine
to medium, trace
fine gravel

- /16/

Clay: Brown

1.3P/21/24

Sand: Brown, fine to medium,
trace fine gravel

425

420

- /47/

Sandy Gravel,
Some Clay

4.5P/100/11

Clayey Shale: Gray

4.5P/20/9

Sand: Brown, fine to medium,
trace fine gravel

4.5P/55/15

Sand: Brown, fine to medium,
some fine gravel

420

4.5/100/13

Clayey Shale: Gray

7.2S/100/4

Clayey Shale: Gray

5.1S/100/12

Clayey Shale: Gray

3.1S/100/7

Clayey Shale: Gray

2.8S/100/13

Clayey Shale: Gray

7.2S/100/4

Clayey Shale: Gray

1.9S/100/15

Clayey Shale: Gray

5.4S/100/15

Clayey Shale: Gray

1.8S/100/7

Clayey Shale: Gray

SUBSURFACE PROFILE
STRUCTURE NO. 072-0227

HZS- IDOT R3/D4
DESIGNED 1/6/2009
CHECKED -
DRAWN HZS-IDOT R3/D4
1/6/2009
CHECKED -

E LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois
Designed By: TBP
Checked By: RHH
Drawn By: TBP
Date: 03/2009
File: 072-0227.dgn

SHEET NO. 22
22 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6658	(ZC-15D-BR)BR	PEORIA	49	35
CONTRACT NO. 68478				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				