

ILLINOIS DEPARTMENT OF TRANSPORTATION  
District Nine Materials

Bridge Foundation  
Boring Log  
Sheet 1 of 2

FAP 312 (IL Route 3) Over Branch of Reeds Creek

Route: FAP 312 (IL Rte ) Structure Number: 039-2001

Section 123

County: Jackson

Date: 6/15/2010

Bored By: R Moberly

Checked By: R Graeff

Boring No 1-S  
Station 476+47  
Offset 12' Rt CL  
Ground Surface 372.1 Ft

D  
E  
P  
T  
H

B  
L  
O  
W  
S

Qu  
tsf

W%

Surf Wat Elev: 361.9  
Ground Water Elevation  
when Drilling 355.1  
At Completion  
At: Hrs:

D  
E  
P  
T  
H

B  
L  
O  
W  
S

Qu  
tsf

W%

Asphalt & Concrete over crushed  
aggregate  
370.6

Very soft, very moist, brown,  
Silty Clay Loam A-6

WH 0.2B 34

Medium to stiff, moist to v moist,  
brown, Silty Clay Loam A-4

2 0.8B 23

345.1

Very soft, very moist, grey, Silty  
Clay Loam to Silt Loam A-4

WH 0.2B 34

5.0 1 0.9S 20

342.6

Medium, very moist, grey mottled  
brown, Clay A7-6

WH 0.7B 37

2 1.0B 21

340.1

Medium, very moist, grey, Silty  
Clay A-6

WH 0.9B 32

362.6

Very soft, very moist, brown, Silty  
Clay Loam A-4

10.0 1 0.1B 27

345.1

Very loose, wet, brown, Sand  
and Gravel with Clay seams

WH 1 16

357.6

54% Sand  
6% Silt  
3% Clay  
37% Gravel

WH 0.2B 26

332.6

Washed

15.0 WH 0.3B 27

355.1

Soft, very moist, brown mottled  
grey, Silty Clay Loam A-6

WH 1 12

1 0.3B 33

352.6

Soft, very moist, brown mottled  
grey, Clay to Silty Clay A7-6

WH 1 9

20.0 WH 0.6B 28

347.6

Medium, very moist, grey mottled  
brown, Clay to Silty Clay A7-6

WH 0.6B 37

25.0 WH

322.6

Stiff, moist, grey, Clay to Silty Clay  
A7-6

WH 1.3B 23

50.0 2

322.6

Stiff, moist, grey, Clay to Silty Clay  
A7-6

WH 1.3B 23

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Date: 6/15/2010

Route: FAP 312 (IL Rte 3)

Section: 123

County: Jackson

Boring No: 1-S  
Station: 476+47  
Offset: 12' Rt CL  
Ground Surface: 372.1 Ft

D  
E  
P  
T  
H

E  
L  
O  
W  
S

Qu  
tsf

W%

Very stiff, moist, grey, Clay A7-6

5 2.1B 31

295.1

Hard, dry, grey Limestone with  
Clay layers

317.6

Bottom of hole = 77.0 feet

Free water observed at 17.0 feet

55.0 1 1.1B 23

312.6

Stiff, moist, grey, Clay A7-6

WH 0.7B 37

60.0 3 1.2B 22

306.6

Medium dense, moist, grey and  
brown, Clay A-6 with Sand  
and Gravel  
(insufficient sample for grain size)

WH 0.9B 32

50.0.5"

305.1

Hard, dry, grey, Limestone

WH 1.3B 23

67.0 to 72.0

63% Recovery; 40% RQD

70.0

Hard, dry, grey Limestone with  
Clay layers

95.0

72.0 to 77.0 feet

92% Recovery; 52% RQD

75.0

Hard, dry, grey Limestone with  
Clay layers

100.0

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

USER NAME = RJT	DESIGNED - RDP 09/11	REVISED -
ESCA PROJECT NO. 988.08	CHECKED - JTS 09/11	REVISED -
PLOT SCALE = 0.2" = 1' / IN.	DRAWN - DWH 11/11	REVISED -
PLOT DATE = 11/16/2011 10:06:38 AM	CHECKED - RDP 11/11	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS (1 OF 2)  
STRUCTURE NO. 039-2028

SHEET NO. 9 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	123B-3	JACKSON	58	45
CONTRACT NO. 78197				
ILLINOIS FED. AID PROJECT				