

ROUTE EAT-57 STRUCTURE Bridge To Carry
 SECTION 10-30 H.B. S.A. 16 over EAT-57 at
 COUNTY Champaign station 170+40
 BORING NO. 1

DATE 2-3-60
 WEATHER cloudy - cold
 ENGINEER Woods
 BORING NO. _____

PILING

PILING

PILING				PILING			
Blow per Foot	qu-tons per sq.ft.	% Moisture	Elevation	Elevation	% Moisture	qu-tons per sq.ft.	Blows per Foot
10' North of & Station 29+00 on S.A. 16				10' North of & Station 30+00 on S.A. 16			
Ground Surface			693.0	694.0			Ground Surface
Dark Brown Si C Firm			690.5	692.0			Dark Brown Si C Firm
Brown Mottled Clay Firm			689.0	690.0	22.9	2.19	5
Brown Gray Mottled Clay Firm soft	6	2.43	19.9	687.0			
Brown Mottled Clay Till stiff	12	4.37	15.2	686.0	13.9	6.08	14
Very stiff	20	4.86	12.9	681.0	12.0	10.93	25
Gray clay Till	28	11.17	10.6	686.0	11.1	11.17	30
Very stiff	21	9.72	10.8		11.2	10.69	21
				674.0	13.1	6.32	20
Limit of boring	25	9.24	11.6		Limit of boring		
		</					

Vertical Scale: 1 inch = 5 feet

Weight of Hammer 140 lbs.

140

Drop 21 in

2'-6"

Penetrometer

Std. Split. Spoon

77

BRIDGE FOUNDATION BORING LOG

PROJECT _____

BRIDGE S.A. 16 over FAI-57

Date 2-3-60

ROUTE FAI-57

Bored By Woods

SEC. 10-30HB-1

STA. 170+38

Checked By H.ugh

COUNTY Champaign

Boring No. 2

Station 25+80

Offset 10 ft. Lt.

Elevation	Z	W t %	(%)	Surface Water El. _____	Elevation	Z	W t %
				Groundwater El. at Completion _____			
				After 24 Hours 682.0			
Ground Surface 693.00							
Medium Dark Brown SILTY CLAY							
690.5							
Very Stiff Brown Gray Mottled CLAY							
-5	6	B 2.4	20				
water							
686.0							
Hard Brown Mottled CLAY Till							
-10	12	B 4.4	15				
-10	20	S 4.9	13				
681.0							
Hard Gray CLAY Till							
-15	28	S 11.2	11				
-15	21	S 9.7	11				
-20							
672.0	25	S 9.2	12				
Limit of boring							

Borings located at
S.E. corner of NE $\frac{1}{4}$ of
Sec. 21, T.17N., R.8E.

N - Standard Penetration Test -
Blows per foot to drive 2"
O.D. Split Spoon Sampler 12" with
140# Hammer

Qu - Unconfined Compressive
Strength - t/sf

w - Water Content - percentage

Type failure
B - Bulge Failure
S - Shear Failure
E - Estimated Value

BRIDGE FOUNDATION BORING LOG

PROJECT _____

BRIDGE S.A. 16 over FAI-57

Date 2-3-60

ROUTE FAI-57

Bored By Woods

SEC. 10-30HB-1

STA. 170+38

Checked By Hough

COUNTY Champaign

Boring No. 2

Station 26+80

Offset 10 ft. Lt.

Elevation

2

S.P.T.

3

3

Surface Water El. —

Groundwater El. at Completion —

After 24 Hours 689.0

Elevation

2

S.P.T.

3

3

Ground Surface 694.0 0

Medium Dark Brown
SILTY CLAY

692.0

Very Stiff Brown Grey
Mottled CLAY

-25

B
-5 5 2.2 23

water

687.0

Hard Brown Mottled CLAY Till

S
14 5.1 14

-30

-10

S
25 10.9 12

681.0

-35

Hard Gray CLAY Till

S
30 1.2 11

-15

S
21 10.7 11

-40

674.0 20

S
20 6.3 13

Limit of boring

-45

N - Standard Penetration Test -
Blows per foot to drive 2"
O.D. Split Spoon Sampler 12" with
140# hammer - 30"

Qu - Unconfined Compressive
Strength - t/sf

w - Water Content - percentage

Type failure
B - Bulge Failure
S - Shear Failure
E - Estimated Value

Date 2-3-60

Bored by Woods

Checked By Hough

Offset 10 ft. Lt.

Hard Gray CLAY T111

Limit of B ring

After 24 Hours 689.0

Elevation	N	Qu r/s	w (%)
-----------	---	--------	-------

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value