

BRIDGE FOUNDATION BORING LOG

PROJECT I-72-2(10)40
ROUTE FAI 72
SEC. 74-68 VB
COUNTY PIATT

BRIDGE FAI 72 OVER
NORFOLK AND WESTERN R.R.
STA. 1438 + 71.2

Date 11-15-71
Bored By BAKER
Checked By CWK

Boring No. 1
Station 1436+72
Offset 56' RT

Elevation	Z	Qu t/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After 24 Hours	Elevation	Z	Qu t/s.f.	w (%)
Ground Surface	640.2 0									
STIFF BLACK SILTY CLAY	638.7									
LOOSE BROWN SAND	636.2	10	3.1B	23						
	-5	6	1.0B	24						
LOOSE BROWN SAND	629.2	7	-	-						
	-10	15	-	-						
MEDIUM BROWN SAND AND GRAVEL	618.2	23	-	-						
	-15	25	-	-						
	-20									
	-25									
	-30									
	-35									
	-40									
	-45									

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

Qu-Unconfined Compressive
Strength - t/sf

w-Water Content-percentage
of oven dry weight-%.

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

60

BRIDGE FOUNDATION BORING LOG

	Elevation	N	Qu t/s.f.	w (%)		Elevation	N	Qu t/s.f.
	-45	44	—	—				
DENSE GRAY SILT LOAM								
592.7								
DENSE VERY FINE GRAY SAND								
589.7	-50	32	—	—		-75		
— LIMIT OF BORING								
BRIDGE LOCATED: THE NW CORNER OF THE SW ¹ / ₄ OF THE NW ¹ / ₄ OF SECTION 6, T. 18 N., R. 6E, OF THE 3RD. PM								
	-55					-80		
	-60					-85		
	-65					-90		
	-70					-95		

Date 11-15-71
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Type failure:
B—Bulge Failure
S—Shear Failure
E—Estimated Value

60

	Elevation	N	Qu t/s.f.	w (%)		Elevation	N	Qu t/s.f.	w (%)
DENSE VERY FINE GRAY SAND AND SAND LOAM	-45	40	—	—					
592.7									
MEDIUM FINE GRAY SAND									
	-50	26	—	—		-75			
584.2	-55	21	—	—		-80			
LIMIT OF BORING ↗									
	-60					-85			
	-65					-90			
	-70					-95			

60

PROJECT I-72-2(10)40
ROUTE FAI 72
SEC. 74-68 VB
COUNTY PLATE

Date 11-16-71

STA. 1438+71.2

Bored By BAKER

Checked By CWK

Boring No. 3
Station 1438+97
Offset 60' RT.

1 - Standard Penetration Test -
blows per foot to drive 2"
D.D. Split Spoon Sampler 12" with
40# hammer falling 30".

Qu – Unconfined Compressive Strength – t/sf

w – Water Content – percentage of oven dry weight – %.

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

60

Date 11-16-71
Bored By BAKER
Checked By CWK

Elevation	N	Qu t/s.f.	w (%)
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Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value

60

BRIDGE FOUNDATION BORING LOG

	Elevation	N	Qu t/s.f.	w (%)		Elevation	N	Qu t/s.f.	w (%)
	-45	21	—	—					
MEDIUM GRAY SAND AND GRAVEL	-50	17	—	—		-75			
588.6									
DENSE GRAY SAND AND GRAVEL	-55	46	—	—		-80			
585.6									
LIMIT OF BORING ↗									
	-60					-85			
	-65					-90			
	-70					-95			