

# BRIDGE FOUNDATION BORING LOG

PROJECT I-72-1(28)  
 ROUTE FAI 72  
 SEC. 58-62 HB -2  
 COUNTY MACON

BRIDGE WESTBOUND SPUR  
OVER F-412  
 STA. 389+10 MED EDGE W.B. SPUR

Date 5-2-74  
 Bored By BAKER  
 Checked By KW

Boring No. 9  
 Station 390+60  
 Offset CENTER LINE

Ground Surface	Elevation	N	Qu t/s.f.	w (%)	Surface Water El.	Elevation	N	Qu t/s.f.	w (%)
					Groundwater El. at Completion				
Ground Surface	684.0	0			_____				
STIFF BROWN CLAY LOAM					_____				
	681.0				_____				
					_____				
		-5	23	5.0S	13				
			27	5.0S	12				
HARD BROWN CLAY LOAM TILL									
		-10	32	8.2S	12				
			30	7.4S	12				
	671.0								
HARD GRAY BROWN MOTTLE CLAY LOAM TILL									
		-15	28	5.8B	10				
	668.0								
VERY STIFF GRAY CLAY LOAM TILL									
			16	2.5B	13				
	666.0								
HARD GRAY CLAY LOAM TILL									
		-20	18	4.1S	13				
	663.0								
			14	2.1B	14				

VERY STIFF GRAY CLAY  
LOAM TILL

659.0  
LIMIT OF BORING ↗

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: (2-7)  
 B - Bulge Failure  
 S - Shear Failure  
 E - Estimated Value

# BRIDGE FOUNDATION BORING LOG

PROJECT I-72-1(28)  
 ROUTE FAI-72  
 SEC. 58-62HB-2  
 COUNTY MACON

BRIDGE WEST BOUND SPUR OVER  
FA-412  
 STA. 389+10 MED. EDGE W.B. SPUR

Date 5-1-73  
 Bored By WIDNER  
 Checked By CWK

Boring No. 1  
 Station 388+00 W.B.SPUR  
 Offset MEDIAN EDGE

Elevation	Z	Qu t/s.f.	w (%)	Surface Water El. Groundwater El. at Completion After <u>20</u> Hours	Elevation	Z	Qu t/s.f.	w (%)
Ground Surface	690.4	0						
BROWN SILTY CLAY TOP SOIL	688.4					10	1.5B	14
STIFF BROWN SILTY CLAY TILL	685.9	6	1.0B	22	-25	12	1.9B	12
VERY STIFF BROWN AND GRAY MOTTLED CLAY TILL	680.9	18	3.1B	19		12	1.7B	14
HARD BROWN SILTY CLAY TILL	678.4	27	4.1S	11	-30	10	1.8B	13
VERY STIFF GRAY CLAY TILL	668.4	15	2.7B	12		9	1.2B	
		15	2.1B	11	-35	10	1.3B	12
						11	1.3B	15
					-40	9	1.2B	
						8	1.0B	13
					-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

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**BRIDGE FOUNDATION BORING LOG**

FAI-72 58-62HB-2 HOLE 1 CONT.	Elevation	N	Qu t/s.f.	W (%)	Elevation	N	Qu t/s.f.
	-45						
		7	0.7B	15			
MEDIUM GRAY CLAY TILL							
		7	0.8B	17			
	-50				-75		
		8	0.8B	15			
638.4							
STIFF GRAY CLAY TILL							
		10	1.6B	15			
635.9					-80		
VERY STIFF GRAY CLAY TILL	-55						
		14	2.1B	12			
633.9							
LIMIT OF BORING							
	-60				-85		
	-65				-90		
	-70				-95		

### BRIDGE FOUNDATION BORING LOG

**PROJECT** I-72-1(28)  
**ROUTE** FAI-72  
**SEC.** 58-62HB-2  
**COUNTY** MACON

**BRIDGE** WEST BOUND SPUR OVER  
 FA-412  
**STA.** 389+10 MED. EDGE W.B.SPUR

**Date** 5-1-73  
**Bored By** WIDNER  
**Checked By** CWK

**Boring No.** 2  
**Station** 389+10 W.B.SPUR  
**Offset** MEDIAN EDGE

Elevation	N	Qu t/sf.	w (%)	Surface Water El. Groundwater El. at Completion After — Hours	Elevation	N	Qu t/sf.	w (%)
Ground Surface 684.6	0							
BROWN SILTY CLAY TOP SOIL				VERY STIFF GRAY CLAY TILL				
682.6					660.1	11	2.0B	14
STIFF BROWN CLAY TILL					-25			
680.1	7	1.2B	23			12	1.7B	12
VERY STIFF BROWN SILTY CLAY TILL				STIFF GRAY CLAY TILL				
					-30			
	11	3.3B	13			12	1.8B	
675.1	12	2.3B	19			10	1.3B	14
VERY STIFF BROWN CLAY TILL					-10			
672.6	18	3.8B	12			10	1.2B	14
STIFF BROWN AND GRAY MOTTLED SILTY CLAY LOAM TILL					-35			
669.1	13	1.4B	12		647.6	9	1.2B	14
STIFF BROWN AND GRAY MOTTLED CLAY TILL				MEDIUM GRAY CLAY TILL				
	11	1.6B	16		-40			
665.1	12	1.9B	14			8	0.9B	15
VERY STIFF GRAY CLAY TILL				STIFF GRAY CLAY TILL				
					642.6	8	0.9B	13
	10	2.1B	14		-20			
					-45			

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

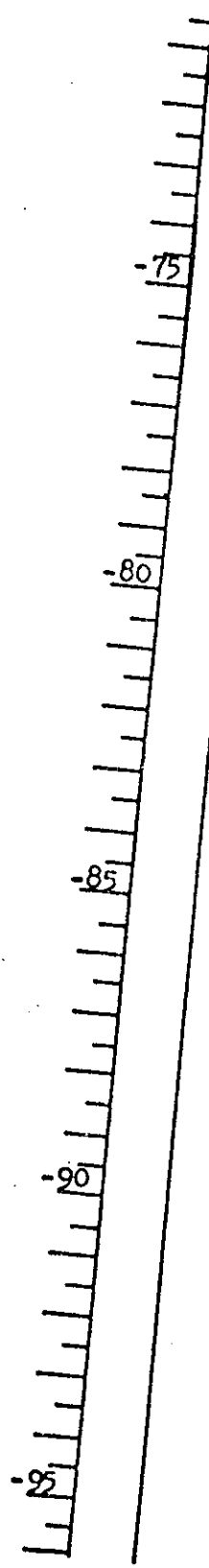
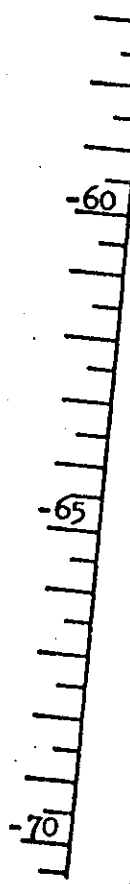
Qu - Unconfined Compressive  
 Strength - t/sf  
 w - Water Content - percentage  
 of oven dry weight - %.

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

# BRIDGE FOUNDATION BORING LOG

FAI-72  
58-62HB-2  
BORING 2 CONT.

	Elevation	N	Q <sub>u</sub> (t/s.f.)	W (%)	
MEDIUM GRAY CLAY TILL	-45				
	637.6	10	0.9B	11	
MEDIUM GRAY SANDY CLAY LOAM TILL SAND LENSES					
	635.1	14	0.8S	13	
VERY STIFF GRAY CLAY TILL WITH SAND LENSES	-50				
	631.6	25	2.1B	—	
DENSE GRAY FINE TO MEDIUM SAND					
	629.1	35	—	—	
VERY DENSE GRAY SILT LOAM	-55				
LIMIT OF BORING	628.1	97	—	—	



# BRIDGE FOUNDATION BORING LOG

**PROJECT** I-72-1(28)  
**ROUTE** FAI-72  
**SEC.** 58-62HB-2  
**COUNTY** MACON

**BRIDGE** WEST BOUND SPUR  
 OVER FA-412  
**STA.** 389+10 MED. EDGE W.B.SPUR

**Date** 5-2-73  
**Bored By** WIDNER  
**Checked By** CWK

**Boring No.** 3  
**Station** 390+20 W.B.SPUR  
**Offset** MEDIAN EDGE

Description	Elevation	N	Qu t/sf	w (%)	Surface Water El. Groundwater El. at Completion After 21 Hours	Elevation	N	Qu t/sf	w (%)
Ground Surface	683.8	0							
BROWN SILTY CLAY TOP SOIL	681.8				VERY STIFF GRAY CLAY TILL	668.8			
STIFF BROWN CLAY TILL	679.3	10	1.6S	19	MEDIUM GRAY WELL GRADED SAND	659.3	18		
HARD BROWN CLAY TILL	676.8	26	4.2S	13	MEDIUM WELL GRADED SAND AND GRAVEL	-25			
VERY STIFF BROWN CLAY TILL	671.8	18	2.6B	14		-30	21		
STIFF GRAY BROWN MOTTLED SILTY CLAY TILL	669.3	16	1.9S	13	VERY STIFF GRAY CLAY TILL	-35			
VERY STIFF GRAY CLAY TILL	666.3	15	2.1S	13	STIFF GRAY SILT LOAM TILL	648.3	28	3.6	10
MEDIUM GRAY SAND AND GRAVEL WITH TILL LENSE (FREE WATER)	664.3	21			VERY STIFF GRAY CLAY TILL	645.8	21	3.0B	10
VERY STIFF GRAY CLAY TILL WITH SAND LENSES		22	3.1B	13	STIFF GRAY CLAY TILL	644.3			
					VERY STIFF GRAY CLAY TILL	641.8	17	1.8B	13
						-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

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### BRIDGE FOUNDATION BORING LOG

FAI-72 58-62HB-2 BORING 3 CONT.	Elevation	N	Qu t/s.f.	v (%)		Elevation	N	Qu t/s.f.
VERY STIFF GRAY CLAY TILL	-45							
636.6		16	2.1B	14				
STIFF GRAY CLAY TILL								
633.850		11	1.5B	14		-75		
VERY STIFF GRAY SILTY CLAY LOAM TILL								
632.3		23	2.2S	13				
LIMIT OF BORING								
	-55					-80		
	-60					-85		
	-65					-90		
	-70					-95		

# BRIDGE FOUNDATION BORING LOG

**PROJECT** I-72-1(28)  
**ROUTE** FAI 72  
**SEC.** 58-62HB-2  
**COUNTY** MACON

**BRIDGE** EAST BOUND SPUR  
 OVER FA-412  
**STA.** 588+80 MEDIAN EDGE E.B.SPUR

**Date** 5-2-73  
**Bored By** WIDNER  
**Checked By** CWK

**Boring No.** 4  
**Station** 587+60 E.B.SPUR  
**Offset** MEDIAN EDGE

Description	Elevation	N	Qu t/sf.	w (%)	Surface Water El.	Elevation	N	Qu t/sf.	w (%)
Ground Surface	687.2	0			Groundwater El. at Completion				
					After 24 Hours	681.1			
BROWN SILTY CLAY TOP SOIL	685.2				LOOSE GRAY SILT LOAM TILL	664.2			
STIFF BROWN SILTY CLAY TILL	682.7	12	1.0S	21	STIFF GRAY CLAY TILL WITH SILTY LENSES	-25	13	1.5B	16
VERY STIFF BROWN AND GRAY MOTTLED SILTY CLAY TILL	680.2	26	3.3S	12	VERY STIFF GRAY CLAY TILL	660.2	17	1.9S	15
VERY STIFF BROWN AND GRAY SILTY CLAY LOAM TILL	677.7	-	2.1S	14		657.7	13	2.0B	1-
HARD BROWN CLAY TILL	675.2	35	7.7S	13		-30	12	1.9B	1-
HARD BROWN AND GRAY MOTTLED CLAY TILL	672.7	30	5.5B	12	STIFF GRAY CLAY TILL WITH SMALL SAND LENSES	-35	16	1.4B	13
VERY STIFF GRAY CLAY TILL	666.7	21	2.0B	12		647.7	9	1.0B	1-
LOOSE GRAY SILT LOAM TILL		9	0.6B	18	MEDIUM GRAY CLAY TILL	-40	10	1.0B	1-
						-45	7	0.8B	12

**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

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### BRIDGE FOUNDATION BORING LOG

	Elevation	N	Qu t/s.f.	w (%)		Elevation	N	Qu t/s.f.
FAI-72 58-62HB-2 BORING 4 CONT.								
MEDIUM GRAY CLAY TILL	-45							
		7	0.7B	16				
637.7						-75		
STIFF GRAY CLAY TILL	-50							
		12	1.7B	13				
		12	1.0B	12		-80		
630.7	-55							
LIMIT OF BORING		14	1.6B	14		-85		
	-60							
	-65					-90		
	-70					-95		

### BRIDGE FOUNDATION BORING LOG

FAI-72  
58-62HB-2  
BORING 5 CONT.

	Elevation	N	Qu t/s.t.	W (%)		Elevation	N	Qu t/s.t.
	-45							
		12	1.1B	14				
STIFF GRAY CLAY TILL		12	1.4B	15				
	-50					-75		
632.0		16	1.5B	13				
LIMIT OF BORING								
	-55							
						-80		
	-60							
						-85		
	-65							
						-90		
	-70							
						-95		

# BRIDGE FOUNDATION BORING LOG

**PROJECT** I-72-1(28)  
**ROUTE** FAI-72  
**SEC.** 58-62HB-2  
**COUNTY** MACON

**BRIDGE** EAST BOUND SPUR  
OVER FA-412  
**STA.** 588+80 MED. EDGE

**Date** 5-3-73  
**Bored By** WIDNER  
**Checked By** CWK

**Boring No.** 6  
**Station** 589+75 E. B. SPUR  
**Offset** MED. EDGE

Elevation	N	Qu t/s.f.	w (%)	Surface Water El. Groundwater El. at Completion After _____ Hours	Elevation	N	Qu t/s.f.	w (%)
Ground Surface 679.0	0							
STIFF BROWN SILTY CLAY				STIFF GRAY CLAY TILL				
675.0	7	1.3B	33	654.5	9	1.2E	16	
				-25				
				MEDIUM GRAY CLAY TILL				
671.0				652.0	8	0.8B	15	
				STIFF GRAY CLAY TILL				
	3	B	0.4	649.5	9	1.1B	16	
				-30				
				MEDIUM COARSE SAND				
670.0	12			642.0	6	0.7B	15	
				MEDIUM GRAY CLAY TILL				
	28	4.4B	14		6	0.6B	15	
				-35				
				MEDIUM GRAY CLAY TILL				
	51	6.4S	13	642.0	7	B	0.6	15
				-15				
	28	5.3B	11	639.5	13	1.0B	14	
				-40				
				MEDIUM GRAY CLAY TILL				
	21	4.7B	12	637.0	7	0.7B	15	
				-20				
				STIFF GRAY CLAY TILL				
	18	2.1B	14		9	1.1B	14	
				-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

# BRIDGE FOUNDATION BORING LOG

Description	Elevation	N	Qu t/s.f.	W (%)		Elevation	N	Qu t/s.f.
FAI-72 58-62HB-2 BORING 6 CONT.								
STIFF GRAY CLAY TILL	633.5	-45						
DENSE GRAY FINE SILTY SAND		43	—	—				
	629.5	33	—	—				
VERY DENSE GRAY FINE SILTY SAND		-50				-75		
LIMIT OF BORING	627.5	57	—	—				
		-55				-80		
		-60				-85		
		-65				-90		
		-70				-95		