





**Illinois Department of Transportation**

Division of Highways  
Illinois Department of Transportation

# SOIL BORING LOG

Date 3/1/63

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY Roger Moody

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 1  
Station 2767+24  
Offset 44.00ft Left  
Ground Surface Elev. 542.2 ft

D E P T H  (ft)	B L O W S  (/6")	U C S  Qu (tsf)	M O I S T  (%)
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Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion 540.1 ft  $\nabla$   
After \_\_\_\_\_ Hrs. 540.4 ft  $\nabla$

Gray Glacial Till, CLAY (*continued*)

18	2.4		
23	2.8		
-45			
20	2.8		
495.2			

Gray Glacial Till, Sandy CLAY

140			
-50			
491.2			

Brown Glacial Till, CLAY

114	7.2		
488.2			

End of Boring

-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)



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Date 3/1/63

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY Roger Moody

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 2  
Station 2766+71  
Offset 44.00ft Right  
Ground Surface Elev. 542.9 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter ft	Upon Completion ft	After Hrs. ft	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
538.9							540.9	541.3	21	4.4	S	
533.4	7	1.3 B							22	3.3 B		
530.9	8	1.4 B							16			
	7	0.7 B							18	2.6 B		
	18	3.1 S							14	2.2 B		
	77	4.2 S							11			
	94	8.3 S							11	2.1 B		

Fill CLAY

Gray Mottled Till, CLAY

Brown and Gray Sandy Till, CLAY

Gray Till, CLAY

Gray Till, CLAY (continued)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY Roger Moody

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 2  
Station 2766+71  
Offset 44.00ft Right  
Ground Surface Elev. 542.9 ft

DEPTH H (ft)	BLOW W S (/6")	UCS Qu (tsf)	MOIST I S T (%)
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Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion 540.9 ft  $\nabla$   
After \_\_\_\_\_ Hrs. 541.3 ft  $\nabla$

Gray Till, CLAY (continued)	13	2.4 B	
	15	2.3 B	
	-45		
	21	3.1 B	
	-50		
	118	2.3 S	
491.4			
End of Boring			
	-55		
	-60		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)





# SOIL BORING LOG

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY Roger Moody  
 SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM  
 COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
 Station 2766+76  
 BORING NO. 3  
 Station 2766+36  
 Offset 44.00ft Right  
 Ground Surface Elev. 543.0 ft

DEPTH H S (ft)	BLOW W S (/6")	UCS S Qu (tsf)	MOIST I S T (%)
12	12	2.0 B	
12	12	1.8 B	
-45	19	2.8 B	
17	17	2.4 B	
493.5			
-50	44	7.9 S	
-55	52	5.4 S	
486.5			
-60			

Surface Water Elev. \_\_\_\_\_ ft  
 Stream Bed Elev. \_\_\_\_\_ ft  
 Groundwater Elev.:  
 First Encounter \_\_\_\_\_ ft  
 Upon Completion \_\_\_\_\_ ft  
 After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

Gary-Green CLAY Till (*continued*)

Gray-Brown CLAY Till

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)





# Illinois Department of Transportation

Division of Highways  
Illinois Department of Transportation

# SOIL BORING LOG

Page 2 of 2

Date 3/1/63

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY Roger Modoy

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 4  
Station 2766+82  
Offset 44.00ft Left  
Ground Surface Elev. 542.1 ft

DEPTH (ft)	BLOW(S) (/6")	UCS (tsf)	MOIST (%)
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Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion 538.3 ft  $\nabla$   
After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

Gray-Green Till ( <i>continued</i> )		16	2.2		
			B		
		18	2.1		
			S		
	-45	25	2.4		
			S		
		15	2.0		
			E		
	492.6				
Brown Clay TILL	-50	77	1.1		
			S		
	490.6				
End of Boring					
	-55				
	-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)





# SOIL BORING LOG

Date 5/21/63

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY R.L.R

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76  
  
BORING NO. 5 WB E. Abut  
Station 2767+62  
Offset 0.00ft CL WB  
Ground Surface Elev. 543.2 ft

DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOWS	UCS	MOIST
(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
523.1	81	5.99	8						
520.6	56	7.04	9						
518.1	21	2.48	12						
-5	9	2.31	18						
	6	0.81					27	4.00	9
533.1	9	1.40	19				22	2.96	15
530.6	8	1.04	16				18	2.67	17
528.1	43	6.57	11				16	2.44	
	52	6.34	8				15	2.39	17
-20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)



# SOIL BORING LOG

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY R.L.R

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 5 WB E. Abut  
Station 2767+62  
Offset 0.00ft CL WB  
Ground Surface Elev. 543.2 ft

D E P T H  (ft)	B L O W S  (/6")	U C S  (tsf)	M O I S T  (%)
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Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion 535.1 ft  $\nabla$   
After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

Gray Mottled with Brown Glaical Till, CLAY (continued)	499.6	13	1.73 B	19
Greenish Brown Mottled with Gray Glacial Till with Small Grit, CLAY	492.6	20	2.65 S	18
		20	3.13 S	18
Reddish Brown Glacial Till with Small Grit, Silty CLAY	490.6	18		17
Brown Glacial Till with Small Grit, Silty CLAY	485.6	100+	8.15+	9
		56	7.03 S	11
end of Boring		76	5.06 B	11

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)



**SOIL BORING LOG**

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY R.L.R

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. <u>003-0012</u>	<b>D E P T H</b>	<b>B L O W S</b>	<b>U C S</b>	<b>M O I S T</b>	Surface Water Elev. _____ ft	<b>D E P T H</b>	<b>B L O W S</b>	<b>U C S</b>	<b>M O I S T</b>
Station <u>2766+76</u>					Stream Bed Elev. _____ ft				
BORING NO. <u>6 EB E. Abut</u>	<b>(ft)</b>	<b>(/6")</b>	<b>(tsf)</b>	<b>(%)</b>	Groundwater Elev.:	<b>(ft)</b>	<b>(/6")</b>	<b>(tsf)</b>	<b>(%)</b>
Station <u>2767+15</u>					First Encounter _____ ft				
Offset <u>0.00ft CL EB</u>					Upon Completion _____ ft				
Ground Surface Elev. <u>543.2</u> ft					After _____ Hrs. _____ ft				

Soil Description	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Soil Description	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
Grayish Brown Mottled with Brown Glacial Till, Silty CLAY					Gray Glacial Till with Small Grit, Silty Sandy CLAY (continued)	30	6.37	9	
						31	3.21	10	
						29	5.99	10	
	517.2								
Brown Glacial Till, Sandy CLAY		7	1.24	16	Gray Glacial Till with Small Grit with Bits of Organic Material, Silty CLAY				
			B			17	2.87	13	
	534.7								
Brown Glacial Till with Small to Medium Grit, Silty Sandy CLAY		8	1.86	15	Brown Glacial Till with Small to Medium Grit, Silty Sandy CLAY				
			B			13			
	532.2								
Gray Glacial Till with Small Grit, Silty Sandy CLAY		27	4.03	9	Gray Glacial Till with Small Grit, Silty				
			S			60	3.20	13	
	528.2								
Gray Glacial Till with Small Grit, Silty Sandy CLAY		43	5.65	7	Gray Glacial Till, SILT				
			S			25	1.24	20	
						504.2			
	506.2								
		74	6.48	8	Brown Mottled with Gray Glacial Till with Small Grit, CLAY				
			S						
	504.2								
	-20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)



**Illinois Department of Transportation**

Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Date 5/23/63

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY R.L.R

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 6 EB E. Abut  
Station 2767+15  
Offset 0.00ft CL EB  
Ground Surface Elev. 543.2 ft

DEPTH H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)
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Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion \_\_\_\_\_ ft  
After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

Brown Mottled with Gray Glacial Till with Small Grit, CLAY ( <i>continued</i> )	502.2	17	1.76 B	23
Gray Mottled with Brown Glacial Till, with Small Grit, CLAY	498.7	15	2.04 B	18
Gray Mottled with Greenish Brown Glacial Till, CLAY	494.2	16	3.26 B	18
		14	2.44 E	
Brown Mottled with Gray Glacial Till with Medium Grit CLAY	487.2	61	8.11 S	11
		69	8.15 S	9
		80	8.66 S	11
End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)



# SOIL BORING LOG

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY R.L.R

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2766+76

BORING NO. 7 EB W. Abut  
Station 2765+91  
Offset 0.00ft CL EB  
Ground Surface Elev. 543.9 ft

DEPTH H S Qu T	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	DEPTH H S Qu T	B L O W S	U C S Qu	M O I S T
(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
				Gray Glacial Till with Small Grit, Sandy Silty CLAY (continued)	522.9	80	7.09	S	8
				Gray Glacial Till Fine SAND		66		NC	
					519.9				
-5	6	0.88 B	20	Gray Glacial Till with Small Grit with Organic Material, Silty CLAY	-25	31	3.29 B		15
	7	1.04 B	21			25	4.00 S		9
535.4									
				Brown Mottled with Gray Glacial Till with Small Grit, CLAY	-10	8	1.43 S		17
532.9					512.9	18	2.96 B		
				Brown Mottled with Gray Glacial Till with Small Grit, Sandy CLAY		4	0.46 B		19
530.4					509.9	26	1.63 S		
				Gray Glacial Till with Small Grit, Sandy Silty CLAY	-15	52	6.53 S		23
						12	1.04 B		
					506.4				
	88	7.76 S	7	Gray Glacial Till, CLAY		11	0.98 E		
-20					-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)







# SOIL BORING LOG

ROUTE FAI 70 DESCRIPTION I-70 over CH 13 LOGGED BY R.L.R

SECTION 3-4HB-2 LOCATION NW 1/4, SEC. 17, TWP. 5N, RNG. 2W, 3 PM

COUNTY Bond DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 003-0012  
Station 2776+76

BORING NO. 8 WB W. Abut  
Station 2766+38  
Offset 0.00ft CL WB  
Ground Surface Elev. 543.8 ft

DEPTH H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft		D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)
				Stream Bed Elev. _____ ft	Groundwater Elev.:				
				First Encounter _____ ft					
				Upon Completion _____ ft					
				After _____ Hrs. _____ ft					
	10	1.46 B	20	Brown Glacial Till with Small Grit, Silty CLAY (continued) _____ ft			60		
				482.8					
501.3				End of Boring					
	13	2.13 S	18						
500.3									
				Greenish Gray Mottled with Brown Glacial Till, with Small Grit, CLAY					
-45									
	16	2.74 S	18						
	22	3.07 S	16						
494.3									
-50									
	46	2.39 S	10	Pinkish Brown Glacial Till with Small Grit, Sandy SILT					
491.8									
	69	8.15+	9	Brown Glacial Till with Small Grit, Silty CLAY					
-55									
	60	8.37 S	10						
	60								
-60									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)