

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1671	‡	DOUGLAS	181	129
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 45  
46 SHEETS

Contract #70258  
‡ 22VBR-1 and 144SBR-2

**Illinois Department of Transportation**  
Division of Highways  
DOT - District 5

**SOIL BORING LOG** Page 1 of 1  
Date 2/26/04

ROUTE FAS 1671 (US 45) DESCRIPTION Route 45 over the U.P. & C.S.X. R.R. Tracks LOGGED BY CNA  
SECTION 22VBR-1 LOCATION NE, SEC. 33, TWP. 16N, RNG. 8E, 3rd. PM  
COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0013(Exist.)  
Station 1153+86.5

BORING NO. 3 Pier 2  
Station 1152+04  
Offset 19.0 ft Lt.  
Ground Surface Elev. 651.5 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE
0	Surface Water Elev. _____ ft			Surface Water Elev. _____ ft		
0	Stream Bed Elev. _____ ft			Stream Bed Elev. _____ ft		
0	Groundwater Elev.: _____ ft			Groundwater Elev.: _____ ft		
0	First Encounter _____ ft			First Encounter _____ ft		
0	Upon Completion _____ ft			Upon Completion _____ ft		
0	After _____ Hrs. _____ ft			After _____ Hrs. _____ ft		
0	Gray Clay Loam Till with interbedded Sand & Silt Seams (continued)			Gray Clay Loam Till with interbedded Sand & Silt Seams (continued)		
2				27		
3	0.8 B			43	9	
4	4 B			50-4'		
646.0				25		
0	Brown/Gray Mottled Silty Clay Loam			Green/Gray Sandy Clay Loam Till		
1				625.5		
1	1.8 B					
4	4 B					
644.5						
0	Brown Clay Loam Till					
2				17		
5	2.7 B			28	9.2 9	
5	5 B			46	S	
642.0				-30		
0	Gray Clay Loam Till					
2				1		
4	2.6 B			4	2.9 16	
5	5 B			5	B	
619.5						
0	Gray Sandy Clay Loam Till					
2				37		
5	3.3 B			50-5'	8	
10	10 B			616.5	-35	
637.5						
0	Gray Clay Loam Till with interbedded Sand & Silt Seams			End of Boring		
2						
4	2.0 B					
5	5 E			-40		
-20						

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.  
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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**SOIL BORING LOG** Page 1 of 1  
Date 2/26/04

ROUTE FAS 1671 (US 45) DESCRIPTION Route 45 over the U.P. & C.S.X. R.R. Tracks LOGGED BY CNA  
SECTION 22VBR-1 LOCATION NE, SEC. 33, TWP. 16N, RNG. 8E, 3rd. PM  
COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0013(Exist.)  
Station 1153+86.5

BORING NO. 4 Pier 3  
Station 1152+39  
Offset 20.0 ft Rt.  
Ground Surface Elev. 651.1 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE
0	Surface Water Elev. _____ ft			Surface Water Elev. _____ ft		
0	Stream Bed Elev. _____ ft			Stream Bed Elev. _____ ft		
0	Groundwater Elev.: _____ ft			Groundwater Elev.: _____ ft		
0	First Encounter _____ ft			First Encounter _____ ft		
0	Upon Completion _____ ft			Upon Completion _____ ft		
0	After _____ Hrs. _____ ft			After _____ Hrs. _____ ft		
0	Brown/Gray Mottled Silty Clay Loam			Gray Clay Loam Till (continued)		
651.1						
0				628.1		
1						
2	0.9 B			9		
3	3 B			22	11	
644.1				20		
0	(Trace of Free Water)			25		
4	4 B			625.1		
5	5 B					
644.1						
0	Gray Clay Loam Till					
1				12		
3	2.7 B			23	10	
4	4 B			27		
642.0						
0	Gray Sandy Clay Loam Till					
1				1		
4	2.9 B			4	2.9 16	
5	5 B			5	B	
619.5						
0	Gray Sandy Clay Loam Till					
2				25		
5	6.6 B			50-5'	8	
10	10 S			616.1	-35	
616.1						
0	End of Boring			End of Boring		
2						
4	2.7 B					
4	4 B			-40		
-20						

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.  
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  
DOT - District 5

**SOIL BORING LOG** Page 1 of 1  
Date 12/3/04

ROUTE FAS 1671 (US 45) DESCRIPTION Route 45 over the U.P. & C.S.X. R.R. Tracks LOGGED BY CNA  
SECTION 22VBR-1 LOCATION NE, SEC. 33, TWP. 16N, RNG. 8E, 3rd. PM  
COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0013(Exist.)  
Station 1153+86.5

BORING NO. 5 Pier 5 (Settlement)  
Station 1153+90  
Offset 25.0 ft Rt.  
Ground Surface Elev. 651.4 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE
0	Surface Water Elev. _____ ft			Surface Water Elev. _____ ft		
0	Stream Bed Elev. _____ ft			Stream Bed Elev. _____ ft		
0	Groundwater Elev.: _____ ft			Groundwater Elev.: _____ ft		
0	First Encounter _____ ft			First Encounter _____ ft		
0	Upon Completion _____ ft			Upon Completion _____ ft		
0	After _____ Hrs. _____ ft			After _____ Hrs. _____ ft		
0	Black Silty Clay with Roadpack					
649.4						
0	Brown Mottled Silty Clay Loam (Trace of Sand)					
2				2		
4	4 B			4	2.6 23	
645.8				3		
0	Brown Sandy Clay Loam Till			3		
5	5 B			5	2.6 15	
643.4				5	S	
0	Gray Clay Loam Till					
3				3		
4	3.3 B			4	3.3 14	
5	5 B			5	S	
643.4						
0	Black Silty Clay with Roadpack					
2				2		
4	2.1 B			4	2.1 14	
631.4				6	B	
-20						

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.  
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 LOGS  
F.A.S. RT. 1671 - SEC. 22VBR-1  
DOUGLAS COUNTY  
STATION 1151+65.86 (SOUTH)  
STATION 1154+99.02 (NORTH)  
STRUCTURE NO. 021-0061 (SOUTH)  
STRUCTURE NO. 021-0060 (NORTH)