68383

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	*	TAZEWELL		30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* D4 CULVERT EXT. / REPAIR 2005-2

BORING LOG TABLES

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 7/2/04

ROUTE FAP 693 (IL9) DESCRIPTION 4'x6' Box Culv. Ext@ the east edge of Mackinaw LOGGED BY JAR

SECTION D4 Culv. Ext./ Repair 2005-2 LOCATION , SEC. , TWP. , RNG.

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. 86085
Station 860+85
Offset 40.00ft Rt CL
Ground Surface Elev. 681.8 ft

Surface Water Elev. 677.62 ft
Stream Bed Elev. 677.37 ft

Groundwater Elev.:
First Encounter 660.3 ft ▼
Upon Completion none ft
After 24 Hrs. none ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY LOAM			2		
			3 3	2.5 P	24.5
DS Invert Elev. = 678.14	678.14				
	677.80				
Brown/Gray CLAY LOAM			2		
		-5	2 4	1.85 B	24.2
			1		
			2 3	1.15 B	25
	672.80				
Brown/Dk. Brown & Gray CLAY LOAM TILL			3		
		-10	7 9	4.53 B	14
			3		
			6 8	2.89 B	13.1
			3		
		-15	5 9	3.5 B	13.1
			3		
			5 8	3.09 B	13.1
	662.30				
		-20	8 14		5.1
Brown Med.-Cse. SAND & GRAVEL *(continued)*			16		
		▼	8		
			14 18		16.9
			7		19.9
gray sand from 24.75'-26.5'		-25	10 14		15.1
	655.30				
Gray CLAY LOAM TILL			4		
			8 12	5.36 B	12.4
			4		
		-30	8 12	3.5 B	12.6
	651.30				
End of Boring					
		-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)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 7/6/04

ROUTE FAP 693 (IL9) DESCRIPTION 4'x6' Box Culv. Ext@ the east edge of Mackinaw LOGGED BY JAR

SECTION D4 Culv. Ext./ Repair 2005-2 LOCATION , SEC. , TWP. , RNG.

COUNTY Tazewell DRILLING METHOD HAS HAMMER TYPE AUTO

STRUCT. NO.
Station

BORING NO. 85980
Station 859+80
Offset 12.00ft Lt CL
Ground Surface Elev. 692.75 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 658.8 ft ▼
Upon Completion None ft
After Hrs. None ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dk Brown, Brown, Grey CLAY LOAM			1		
			2 3	1.75 P	18.9
			2		
		-5	2 4	2.89 S	24.5
			1		
			2 1	.66 B	31.2
	683.75				
Dk Brown SILTY CLAY LOAM			1		
		-10	2 4	1.40 B	21.7
	681.25				
Brown Mottled, CLAY LOAM			2		
			3 4	1.24 B	26.4
	678.75				
Brown, Dk Grey, CLAY LOAM TILL			2		
		-15	3 4	1.48 B	17
			3		
			4 5	1.48 B	15.1
			3		
		-20	7	3.09	14.3
Brown, Dk Grey, CLAY LOAM TILL *(continued)*			11	B	
			5		
			6 8	3.5 B	13.4
			4		
		-25	6 8	3.09 B	12.5
			4		
			6 8	3.3 B	7.2
			5	1.57	14.8
	662.92	-30	25 32	B	5.8
Brown, Dk Grey, Lt Brown, Grey Med-Cse SAND & GRAVEL					
ligthly cemented			13		
			17 13		10.9
		▼	10		
		-35	9 6		16.1
	656.25				
Dk Brown, Grey CLAY LOAM TILL			4		
			6 9	2.27 B	13.9
			5		
		-40	9	3.5	12.6

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)

BBS, from 137 (Rev. 8-99)