


BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 6/26/06

ROUTE IL 81 DESCRIPTION P92-115-06 Box culvert on IL 81 and County Highway 36, 4 m. E. of Cambridge LOGGED BY P. Drezen

SECTION _____ LOCATION Cambridge Twp. - 12 SW, SEC. , TWP. 15N, RNG. 3E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic


STRUCT. NO. 037-1059 D E L C O S I M
Station _____ P O S I S I
BORING NO. B-1 H S Qu T
Station 771+28 H S Qu T
Offset 9.00ft Rt
Ground Surface Elev. 99.40 ft (ft) (/6") (tsf) (%)

Surface Water Elev. _____ ft
Stream Bed Elev. 90.50 ft
Groundwater Elev.:
First Encounter 72.9 ft ▼
Upon Completion Dry ft
After _____ Hrs.

Soil Description	Depth (ft)	Penetration (blows/6")	Blow Count (tsf)	Failure Mode (%)
Brown LOAM	77.90	1.3	23.0	
VERY STIFF brown LOAM	96.90	3		
	95.40	5	4.0	20.0
		5	P	
STIFF brown SILTY CLAY LOAM	92.90	2	1.3	25.0
		5	P	
MEDIUM brown/black SILTY CLAY LOAM	90.40	2	0.6	35.0
		3	B	
MEDIUM black SILTY CLAY	87.90	1	0.7	28.0
		3	B	
SOFT gray/tan SILTY CLAY	85.40	1	0.5	31.0
		3	B	
STIFF gray LOAM with ORGANICS	82.90	2	1.3	24.0
		4	B	
STIFF gray SILTY CLAY LOAM TILL	80.40	2	1.1	23.0
		4	B	

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
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 6/26/06

ROUTE IL 81 DESCRIPTION P92-115-06 Box culvert on IL 81, 4.1 m. E. of Cambridge, County Road 36 LOGGED BY P. Drezen

SECTION _____ LOCATION Cambridge Twp. - 12 SW, SEC. , TWP. 15N, RNG. 3E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 037-1059 D E L C O S I M
Station _____ P O S I S I
BORING NO. B-2 H S Qu T
Station 771+59 H S Qu T
Offset 10.00ft Lt
Ground Surface Elev. 99.60 ft (ft) (/6") (tsf) (%)

Surface Water Elev. _____ ft
Stream Bed Elev. 90.50 ft
Groundwater Elev.:
First Encounter 80.6 ft ▼
Upon Completion Dry ft
After _____ Hrs.

Soil Description	Depth (ft)	Penetration (blows/6")	Blow Count (tsf)	Failure Mode (%)
STIFF brown LOAM	78.10	1.3	23.0	
		3	1.2	19.0
		4	B	
STIFF brown SILTY CLAY LOAM	97.10	4		
	95.60	4	1.8	23.0
		7	P	
VERY STIFF brown SILTY CLAY LOAM	93.10	1	4.0	16.0
		2	P	
SOFT gray/brown SILTY CLAY	90.60	1	0.5	31.0
		3	B	
SOFT black SILTY CLAY	88.10	1	0.5	36.0
		2	B	
MEDIUM black SILTY CLAY	85.60	3	0.6	36.0
		5	B	
MEDIUM gray SILTY CLAY	83.10	2	0.7	28.0
		4	B	
STIFF gray SILTY CLAY	80.60	2	1.5	19.0
		3	B	

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)