

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Page 1 of 3

Date 9/30/08

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation 0-2

SOIL BORING LOG

ROUTE FAI 74 DESCRIPTION P92-002-98 I-74 Bridge over Ophlem Road LOGGED BY W. Garza
SECTION 37-4HB, 4HB-1, 4HB-2 D LOCATION Lynn Twp. - 25 S 12, SEC., TWP. 15N, RNG. 1E, PM
COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____ Station 1422+17
BORING NO. B-4 Station 1421+50 Offset 5.00ft Rt CL
Ground Surface Elev. 745.4 ft (ft) (6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNSATURATED SWELLING (%)	FIELD NOTES
MEDIUM brown SILTY CLAY LOAM	0.9	P					STIFF gray CLAY LOAM TILL
	1.3	B					
	1.9	B					
STIFF brown LOAM	4						STIFF gray CLAY LOAM TILL
	1.4	S					
	1.9	S					
STIFF graytan SILTY CLAY LOAM	4						VERY STIFF gray CLAY LOAM TILL
	1.6	B					
	2.7	B					
VERY STIFF gray SILTY CLAY LOAM	3						VERY STIFF gray CLAY LOAM TILL with SAND lens
	2.7	B					
	2.5	B					
VERY STIFF gray CLAY LOAM	4						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	2.7	B					
VERY STIFF dark gray SILTY CLAY LOAM	4						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	3.0	B					
STIFF gray LOAM with SAND lens	4						HARD gray CLAY LOAM TILL
	1.6	P					
	1.8	P					
MEDIUM gray LOAM	2						VERY STIFF gray CLAY LOAM TILL
	0.7	B					
	1.9	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)

Page 2 of 3

Date 9/30/08

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation 0-2

SOIL BORING LOG

ROUTE FAI 74 DESCRIPTION P92-002-98 I-74 Bridge over Ophlem Road LOGGED BY W. Garza
SECTION 37-4HB, 4HB-1, 4HB-2 D LOCATION Lynn Twp. - 25 S 12, SEC., TWP. 15N, RNG. 1E, PM
COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____ Station 1422+17
BORING NO. B-4 Station 1421+50 Offset 5.00ft Rt CL
Ground Surface Elev. 745.4 ft (ft) (6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNSATURATED SWELLING (%)	FIELD NOTES
VERY STIFF gray CLAY LOAM TILL	3						VERY STIFF gray CLAY LOAM TILL
	3.3	B					
	1.3	B					
STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	1.9	B					
	1.7	B					
VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.1	B					
	1.6	B					
VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.1	B					
	1.6	B					
VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.1	B					
	1.6	B					
STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	1.4	B					
	1.7	B					
VERY STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	2.1	B					
	1.6	B					
VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.1	B					
	1.6	B					
VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.1	B					
	1.6	B					
VERY STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	2.0	B					
	1.6	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)

Page 3 of 3

Date 9/30/08

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation 0-2

SOIL BORING LOG

ROUTE FAI 74 DESCRIPTION P92-002-98 I-74 Bridge over Ophlem Road LOGGED BY W. Garza
SECTION 37-4HB, 4HB-1, 4HB-2 D LOCATION Lynn Twp. - 25 S 12, SEC., TWP. 15N, RNG. 1E, PM
COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____ Station 1422+17
BORING NO. B-4 Station 1421+50 Offset 5.00ft Rt CL
Ground Surface Elev. 745.4 ft (ft) (6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNSATURATED SWELLING (%)	FIELD NOTES
VERY STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	2.3	B					
	1.7	B					
VERY STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	1.7	B					
VERY STIFF gray CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	1.7	B					
10108 VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	1.8	B					
STIFF gray CLAY LOAM TILL	5						VERY STIFF gray CLAY LOAM TILL
	1.5	B					
	2.1	B					
VERY STIFF gray CLAY LOAM TILL	2						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	2.3	B					
VERY STIFF gray CLAY LOAM TILL	7						VERY STIFF gray CLAY LOAM TILL
	3.3	B					
	1.7	B					
VERY STIFF olive-green CLAY LOAM TILL	1						VERY STIFF gray CLAY LOAM TILL
	2.5	B					
	1.9	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)

SOIL BORING LOGS
STRUCTURE NO. 037-0015 (S.B.)
STRUCTURE NO. 037-0016 (N.B.)

SHEET NO. 30	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74	37-4HB	HENRY	148	66
30 SHEETS	CONTRACT NO. 64264				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					