

**BORING LOG**  
(CONTINUATION)  
DATE 10-29-04

BORING NO. B-10

PROJECT Lancaster Road Bridge; Sec #93-00049-00-BR SHEET 14 OF 20  
LOCATION Peoria County, Illinois W. & A. FILE NO. 3949

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Q <sub>p</sub>	Q <sub>u</sub>	D <sub>d</sub>	M <sub>c</sub>
See Sheet 13 of 20							
Hard, Light Brown, Weathered GLACIAL SANDY CLAY TILL	30	SS	13	4.4	4.1	124	12
Hard, Gray, Unweathered GLACIAL SILTY CLAY TILL	34	SS	37	4.5*	5.1	125	10
	38						
	42	SS	40	4.5*	5.6	126	9
	46	SS	39	4.5*	4.9	124	10
EXPLORATORY BORING DISCONTINUED							
	50						
	54						

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Q<sub>p</sub> - CALIBRATED PENETROMETER READING - T.S.F.  
Q<sub>u</sub> - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
D<sub>d</sub> - NATURAL DRY DENSITY - P.C.F.  
M<sub>c</sub> - NATURAL MOISTURE CONTENT - %

WHITNEY & ASSOCIATES  
PEORIA, ILLINOIS

BORING NO. B-11  
DATE 11-15-04  
W. & A. FILE NO. 3949  
SHEET 15 OF 20



**WHITNEY & ASSOCIATES**  
INCORPORATED  
2406 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**BORING LOG**

PROJECT LANCASTER ROAD BRIDGE; SEC# 93-00049-00-BR LOCATION Peoria County, Illinois  
BORING LOCATION Station 20+90; 10' Left Centerline DRILLED BY Fehl  
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild  
SOIL CLASSIFICATION SYSTEM U. S. S. C. SEEPAGE WATER ENCOUNTERED AT ELEVATION None  
GROUND SURFACE ELEVATION 620+ GROUND WATER ELEVATION AT 24+ HRS. None  
BORING DISCONTINUED AT ELEVATION 574+ GROUND WATER ELEVATION AT COMPLETION None

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Q <sub>p</sub>	Q <sub>u</sub>	D <sub>d</sub>	M <sub>c</sub>
Brown SILTY CLAY Organic Topsoil	6"						
Very Stiff, Light Brown And Gray Mottled Orange-Brown SILT LOAM		SS	16	2.6	2.3	105	11
Stiff, Light Brown SILT LOAM	4						
		SS	10	1.2	0.9	105	9
Medium, Light Brown SILT	8						
		SS	7	1.0	-	-	8
		SS	8	1.0	-	-	9
Stiff, Brown SILT LOAM	12						
		SS	10	1.2	1.1	106	12
		SS	11	2.0	1.8	108	11
Stiff, Light Brown CLAY LOAM	20						
		SS	7	1.7	1.5	108	17
Very Stiff, Light Brown, Weathered GLACIAL SILTY CLAY TILL	24						
		SS	18	3.5	3.1	122	13

N - BLOWS DELIVERED PER FOOT BY A 140 LB. HAMMER FALLING 30 INCHES  
SS - SPLIT SPOON SAMPLE  
ST - SHELBY TUBE SAMPLE

Q<sub>p</sub> - CALIBRATED PENETROMETER READING - T.S.F.  
Q<sub>u</sub> - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
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M<sub>c</sub> - NATURAL MOISTURE CONTENT - %

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PEORIA, ILLINOIS

SOIL BORINGS  
PEORIA COUNTY  
STRUCTURE NO. 072-3145