

**BORING NO.** B-05  
**DATE** 8-16-04  
**W. & A. FILE NO.** 3755  
**SHEET** 5 OF 5

**PROJECT** LANCASTER ROAD BRIDGE; SEC# 93-00049-00-BR  
**BORING LOCATION** Station 31+99; Centerline  
**BORING TYPE** Hollow-Stem Auger

**LOCATION** Peoria County, Illinois  
**DRILLED BY** Fehl  
**WEATHER CONDITIONS** Partly Cloudy & Mild

**SOIL CLASSIFICATION SYSTEM** U. S. B. S. C.  
**GROUND SURFACE ELEVATION** 514+  
**BORING DISCONTINUED AT ELEVATION** 483+

**SEEPAGE WATER ENCOUNTERED AT ELEVATION** (-) 7.0 Ft.  
**GROUND WATER ELEVATION AT** \_\_\_\_\_ HRS. \_\_\_\_\_  
**GROUND WATER ELEVATION AT COMPLETION** (-) 6.9 Ft.



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

**BORING LOG**

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
Brown SILTY CLAY Organic Topsoil Stiff, Brown SILTY CLAY	7"						
		SS	4				
	04		4	1.3	1.1	97	23
Medium, Brown SILTY CLAY			3(7)				
		SS	3				
			4	0.7	0.6	90	29
Very Soft, Brown And Orange-Brown SANDY CLAY			4(8)				
	08		2				
		SS	2	0.3	-	-	26
			2(4)				
Soft To Medium, Gray SILTY CLAY			2				
		SS	1	0.6	0.4	90	29
	12		1				
		SS	1	0.8	0.7	93	27
			1				
			2	0.7	0.6	92	28
	16		2				
		SS	2				
Dense, Gray And Orange-Brown, Fine- Grained SAND With Some Silt			2(4)				
			24				
	20		22				20
		SS	29(51)				
			31				
	24		48				
		SS	59(107)				
Hard, Gray And Orange-Brown, Weathered SANDSTONE							

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

Qp - CALIBRATED PENETROMETER READING - T.S.F.  
 QU - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.  
 Dd - NATURAL DRY DENSITY - P.C.F.  
 Mc - NATURAL MOISTURE CONTENT - %

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**BORING NO.** B-05  
**DATE** 8-16-04  
**PROJECT** Lancaster Road Bridge; Sec #93-00049-00-BR  
**LOCATION** Peoria County, Illinois

**SHEET** 4 OF 5  
**W. & A. FILE NO.** 3755

**BORING LOG**  
 (CONTINUATION)

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 1 Of 6							
Hard, Gray SANDSTONE		SS	111/3*	4.5*	-	-	11
	30						
		SS	128/2*	4.5*	-	-	9
EXPLORATORY BORING DISCONTINUED							
	34						
	38						
	42						
	46						
	50						
	54						

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

Qp - CALIBRATED PENETROMETER READING - T.S.F.  
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SOIL BORINGS  
 PEORIA COUNTY  
 STRUCTURE NO. 072-3145