

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BORING LOG**

**BORING NO.** B-01  
**DATE** 12-20-07  
**W. & A. FILE NO.** 4374

**WHITNEY & ASSOCIATES**  
INCORPORATED  
2405 West Nebraska Avenue  
PEORIA, ILLINOIS 61604

**BORING LOG**

**PROJECT** VETERANS ROAD BRIDGE - SECTION #06-07109-00-BR  
**LOCATION** Tazewell County, Illinois  
**BORING LOCATION** Station 33+50, 40' Left of Centerline  
**DRILLED BY** Fehrl  
**BORING TYPE** Hollow Stem Auger  
**WEATHER CONDITIONS** Partly Cloudy & Mild  
**SOIL CLASSIFICATION SYSTEM** U.S.B.S.C.  
**SEEPAGE WATER ENCOUNTERED AT ELEVATION** (-)24.5 Ft.  
**GROUND SURFACE ELEVATION** 530.5+  
**GROUND WATER ELEVATION AT** \_\_\_\_\_ HRS. \_\_\_\_\_  
**BORING DISCONTINUED AT ELEVATION** 474.5+  
**GROUND WATER ELEVATION AT COMPLETION** (-)18.2 Ft. CAVE-IN

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Q <sub>p</sub>	Q <sub>u</sub>	D <sub>d</sub>	M <sub>c</sub>
CONCRETE DEBRIS (Fill)							
	04						
		SS	14 20 21(41)	-	-	-	6
Dense, Gray-Brown, Medium- To Coarse-Grained SAND And Fine-Grained GRAVEL With Some Silty Clay			7				
	08	SS	9 9(18)	-	-	-	5
Medium-Density, Gray-Brown, Medium- To Coarse-Grained SAND And Fine-Grained GRAVEL With Some Silty Clay			10				
Very Stiff, Brown, Weathered GLACIAL SILTY CLAY TILL		SS	18 23(41)	3.5	2.8	123	12
	12		9				
Medium-Density, Gray-Brown, Fine- To Medium-Grained SAND And GRAVEL With Some Silty Clay		SS	10 18(28)	-	-	-	5
			10				
Medium-Density, Brown, Coarse-Grained SAND And Fine-Grained GRAVEL With Considerable Silty Clay		SS	13 16(29)	-	-	-	8
	16		10				
Medium-Density, Light Brown, Fine-Grained SAND With Occasional Fine-Grained Gravel		SS	12 12(24)	-	-	-	5
			8				
	20	SS	11 12(23)	-	-	-	5
			9				
Medium-Density, Light Brown, Fine-Grained SAND		SS	12 13(25)	-	-	-	8
			7				
	24	SS	10 13(23)	-	-	-	19

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 LOG**  
(CONTINUATION)

**BORING NO.** B-01  
**DATE** 12-20-07  
**PROJECT** Veterans Road Bridge - Section #06-07109-00-BR  
**LOCATION** Tazewell County, Illinois  
**SHEET** 2 OF 5  
**W. & A. FILE NO.** 4374

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 1 of 6			8 9 12(21)	-	-	-	-
Medium-Density, Light Brown, Fine-Grained SAND		SS					
	30		8 9 13(22)	-	-	-	-
Medium-Density, Light Brown, Fine- To Medium-Grained SAND		SS					
	34		10 11 15(26)	-	-	-	-
	38						
Very Stiff, Gray-Brown SILT		SS	13 15 25(40)	2.5	2.2	107	18
	42						
Dense, Light Brown, Medium- To Coarse-Grained SAND And Fine-Grained GRAVEL		SS	18 23 27(50)	-	-	-	-
	46						
Dense, Light Brown, Fine- To Medium-Grained SAND And Fine-Grained GRAVEL		SS	13 21 26(47)	-	-	-	-
	50						
Dense, Light Brown, Fine- To Coarse-Grained SAND And Fine-Grained GRAVEL		SS	12 19 27(48)	-	-	-	-
EXPLORATORY BORING DISCONTINUED	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

DESIGNED - JAE  
CHECKED - BAS  
DRAWN - SGM  
CHECKED - BAS

SOIL BORINGS  
STRUCTURE NO. 090-3244

SHEET NO. 20	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	156	06-07109-00-BR	TAZEWELL	53	40
22 SHEETS	CONTRACT NO. 89472				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

