

WHITNEY & ASSOCIATES <small>INCORPORATED</small> 2400 West Nebraska Avenue PEORIA, ILLINOIS 61604		BORING LOG DATE <u>2-11-05</u> W. & A. FILE NO. <u>4108</u> SHEET <u>4</u> OF <u>6</u>					
BORING NO. <u>B-02</u> DATE <u>2-11-05</u> W. & A. FILE NO. <u>4108</u> SHEET <u>4</u> OF <u>6</u>		DATE <u>2-11-05</u> SHEET <u>5</u> OF <u>6</u> W. & A. FILE NO. <u>4108</u>					
PROJECT <u>PERSIFER TOWNSHIP BRIDGE; #05-15103-00-BR</u> LOCATION <u>Knox County, Illinois</u> BORING LOCATION <u>Station 3+60; 6' Left of Centerline</u> DRILLED BY <u>Fehl</u> BORING TYPE <u>Hollow-Stem Auger</u> WEATHER CONDITIONS <u>Partly Cloudy & Mild</u> SOIL CLASSIFICATION SYSTEM <u>U. S. S. C.</u> SEEPAGE WATER ENCOUNTERED AT ELEVATION <u>None</u> GROUND SURFACE ELEVATION <u>135.0</u> GROUND WATER ELEVATION AT COMPLETION <u>None</u> BORING DISCONTINUED AT ELEVATION <u>79.0</u> GROUND WATER ELEVATION AT COMPLETION <u>None</u>							
DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
OIL AND CHIPS	2.5"						
Brown Medium-Grained SAND AND GRAVEL	10.0"						
Stiff, Light Brown And Orange-Brown CLAY LOAM	04	SS	3 4 5(9)	1.5	1.2	103	18
		SS	4 4 5(9)	2.3	2.0	105	18
	08	SS	5 5 7(12)	1.8	1.7	108	17
Very Stiff, Light Brown SILTY LOAM		SS	5 6 8(14)	2.4	2.2	109	15
	12	SS	6 11 13(24)	4.0	3.8	117	16
Very Stiff, Light Brown, Weathered GLACIAL SILTY CLAY TILL		SS	6 10 12(22)	4.2	4.0	118	15
	16	SS	4 7 9(16)	2.2	1.7	118	17
Stiff, Light Brown And Orange-Brown, Weathered GLACIAL SANDY CLAY TILL		SS	5 7 7(14)	3.0	2.7	116	18
Very Stiff, Light Brown, Orange-Brown And Gray-Brown, Weathered GLACIAL SILTY CLAY TILL		SS	11 12 19(37)	3.3	2.9	117	17
	24	SS	15 18 22(40)	2.9	2.6	110	18
Very Stiff, Gray-Brown CLAY SHALE		SS					

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 LOG (CONTINUATION)		DATE <u>2-11-05</u>					
BORING NO. <u>B-02</u> PROJECT <u>Persifer Township Bridge; #05-15103-00-BR</u> LOCATION <u>Knox County, Illinois</u>		SHEET <u>5</u> OF <u>6</u> W. & A. FILE NO. <u>4108</u>					
DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 4 of 6							
		SS	13 20 25(45)	4.2	4.02	116	16
Hard, Gray-Brown And Black CLAY SHALE	30	SS	12 21 30(51)	4.5+	5.4	116	15
	34	SS	20 22 51(73)	4.5+	4.6	114	16
	42	SS	27 80/6"	4.5+	-	-	10
	46	SS	109/6"	4.5+	5.3	115	14
Very Dense, Black COAL	50	SS	106/4"	-	-	-	12
	54	SS	97/6"	4.5+	-	-	17
Hard, Black CLAY SHALE With Some Coal							

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DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 5 of 6							
Hard, Dark Gray SHALE	.60	SS	88/3"	4.5+	-	-	11
EXPLORATORY BORINGS DISCONTINUED	.64						
	.68						
	.72						
	.76						
	.80						
	.84						

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Station 3+60.00, 6.0' Lt. (Boring Log) = Station 104+88.00, On \mathcal{C} (New Roadway Alignment)
 Top of Boring: (Log Elevation) 135.0 = (New Datum Elevation) +663.7