

R.R. Bridge

BORING NO. B-01 DATE 2-11-05
 W. & A. FILE NO. 4108
 SHEET 1 OF 6

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

BORING LOG

PROJECT PERSIFER TOWNSHIP BRIDGE; #05-15103-00-BR LOCATION Knox County, Illinois
 BORING LOCATION Station 4+98; 6' Right of Centerline DRILLED BY Fehl
 BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild
 SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION None
 GROUND SURFACE ELEVATION 133.4 GROUND WATER ELEVATION AT 3 HRS None
 BORING DISCONTINUED AT ELEVATION 72.4 GROUND WATER ELEVATION AT COMPLETION None

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
OIL AND CHIPS	2"						
Brown, Medium-Drained SAND AND GRAVEL	10"						
Stiff, Light Brown, Brown And Orange-Brown SILTY CLAY With Considerable Clay Shale Fragments (Fill)	04	SS	5 4 5(9)	2.0	1.6	96	22
Very Stiff, Light Brown, Brown And Orange-Brown SILTY CLAY With Considerable Clay Shale Fragments (Fill)		SS	5 5 6(11)	2.5	2.2	97	21
Very Stiff, Light Brown CLAY LOAM	08	SS	5 5 6(12)	3.2	2.9	102	18
Stiff, Light Brown SILT LOAM		SS	4 5 7(12)	2.0	1.7	103	16
Stiff, Light Brown, Weathered GLACIAL SILTY CLAY TILL	12	SS	4 5 6(11)	2.0	1.8	115	17
	16	SS	4 4 4(8)	1.9	1.6	115	16
Stiff, Light Brown SILTY CLAY		SS	4 4 5(9)	1.5	1.3	96	20
Very Stiff, Light Brown SILTY CLAY	20	SS	4 5 6(11)	2.5	2.2	100	18
Very Stiff, Light Brown And Gray-Brown CLAY		SS	5 5 7 8(15)	2.4	2.1	99	21
Very Stiff, Gray-Brown CLAY SHALE	24	SS	6 7 16(23)	2.5	2.3	108	19

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-01 DATE 2-11-05
 W. & A. FILE NO. 4108
 SHEET 2 OF 6

BORING LOG
 (CONTINUATION)

PROJECT Persifer Township Bridge; #05-15103-00-BR LOCATION Knox County, Illinois
 BORING LOCATION Knox County, Illinois DRILLED BY Fehl
 BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild
 SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION None
 GROUND SURFACE ELEVATION 133.4 GROUND WATER ELEVATION AT 3 HRS None
 BORING DISCONTINUED AT ELEVATION 72.4 GROUND WATER ELEVATION AT COMPLETION None

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 1 of 6							
	30	SS	11 12 14(26)	3.5	3.2	110	18
	30	SS	13 15 17(32)	3.9	3.6	112	17
Hard, Dark Gray CLAY SHALE							
	34	SS	14 16 29(45)	4.5+	4.4	115	12
	38	SS	20 21 20(41)	4.5+	-	-	11
Hard, Gray SHALE							
	46	SS	110/6"	4.5+	-	-	8
	50	SS	100/3"	-	-	-	11
Very Dense, Black COAL							
	54	SS	107/3"	-	-	-	12

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 (CONTINUATION)

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 GROUND SURFACE ELEVATION 133.4 GROUND WATER ELEVATION AT 3 HRS None
 BORING DISCONTINUED AT ELEVATION 72.4 GROUND WATER ELEVATION AT COMPLETION None

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 2 of 6							
Hard, Dark Gray SHALE	60	SS	95/3"	4.5+	-	-	8
EXPLORATORY BORING DISCONTINUED							
	64						
	68						
	72						
	76						
	80						
	84						

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Station 4+98.00, 6.0' Rt. (Boring Log) = Station 106+26.00, On C (New Roadway Alignment)
 Top of Boring: (Log Elevation) 133.4 = (New Datum Elevation) ±662.4