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

BORING LOG

BORING NO. B-02
DATE 2-26-04
W. & A. FILE NO. 3433
SHEET 3 OF 4
PROJECT PERSIFER TOWNSHIP BRIDGE; SEC #05-15106-01BR
LOCATION Knox County, IL
BORING LOCATION Station 9+49; 6' Left 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 (-)22.7 Ft.
GROUND SURFACE ELEVATION 101.3
GROUND WATER ELEVATION AT - HRS. -
BORING DISCONTINUED AT ELEVATION 48.3
GROUND WATER ELEVATION AT COMPLETION (-)12.4 Ft.

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
BITUMINOUS CONCRETE	2"						
Brown Medium-Grained SAND And GRAVEL	10"						
Very Stiff, Brown And Dark Brown SILTY CLAY		SS	3 3 3(6)	2.5	2.3	102	20
	04						
Stiff, Brown SANDY CLAY		SS	3 4 4(8)	1.4	1.2	102	22
Stiff, Dark Gray SILTY CLAY	08	SS	3 4 3(7)	1.5	1.4	98	22
	12	SS	3 3 5(8)	1.8	1.8	99	21
		SS	2 2 2(4)	1.3	1.1	95	23
Medium, Dark Gray SILTY CLAY	16	SS	2 2 3(5)	0.8	0.6	93	26
Very Loose, Brown, Fine- To Medium-Grained SAND		SS	1 2 2(4)	-	-	-	-
	20	SS	1 2 1(3)	-	-	-	-
Medium, Dark Gray SILTY CLAY		SS	4 4 5(9)	0.8	0.7	96	23
Very Stiff, Gray Near CLAY SHALE	24	SS	6 10 11(21)	3.8	3.7	113	18

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 - %

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

BORING LOG
(CONTINUATION)

BORING NO. B-02
DATE 2-26-04
PROJECT Persifer Township Bridge; Sec #05-15106-01BR
SHEET 4 OF 4
LOCATION Knox County, Illinois
W. & A. FILE NO. 3433

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 3 Of 4			6				
		SS	10 12(22)	3.3	3.1	114	17
Hard, Gray CLAY SHALE	30	SS	6 14 26(40)	4.5+	4.7	117	15
	34	SS	10 18 32(50)	4.5+	5.5	118	13
	38						
Hard, Gray SHALE		SS	12 28 9773"	4.5+	-	-	9
	42						
	46	SS	93/3"	4.5+	-	-	11
	50	SS	102/4"	4.5+	-	-	11
AUGER REFUSAL AT (-)53.0 FEET 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
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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PEORIA, ILLINOIS

Station 9+49.00, 6.0' Lt. (Boring Log) = Station 110+64.70, 61.28' Rt. (New Roadway Alignment)
Top of Boring: (Log Elevation) 101.3 = (New Datum Elevation) ±630.2

FILE NAME =	USER NAME =	DESIGNED - JGT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS (SHEET 4 OF 4) STRUCTURE NO. 048-3387 SHEET NO. 23 OF 23 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MNM	REVISED -			TR 176	05-15106-01-BR	KNOX	97	64
	PLOT SCALE =	DRAWN - DAP	REVISED -					CONTRACT NO. 89429		
	PLOT DATE =	CHECKED - JGT	REVISED -					ILLINOIS FED. AID PROJECT BROS 0095 127		