

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135W-21-BS-5	EFFLION	282	128
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



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

BORING NO. B-02
DATE 6-13-00
W. & A. FILE NO. 0981
SHEET 3 OF 6

BORING LOG

PROJECT ILLINOIS ROUTE 78 BOX CULVERT CROSSING LOCATION Canton, Illinois
BORING LOCATION 3'W Centerline (84'S of 37+400 (m)) DRILLED BY Winslow
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Mild
SOIL CLASSIFICATION SYSTEM U.S.B.S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION 658.6
GROUND SURFACE ELEVATION 683.5 GROUND WATER ELEVATION AT HRS
BORING DISCONTINUED AT ELEVATION 627.1 GROUND WATER ELEVATION AT COMPLETION 653.8

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
<u>BITUMINOUS CONCRETE</u>	<u>9"</u>						
<u>CONCRETE</u>	<u>17"</u>						
<u>Very Stiff, Black SILTY CLAY LOAM With Some Organic Matter (Fill)</u>		SS	3 3 7(10)	3.1	2.9	96	26
<u>Very Stiff, Olive-Green, Dark Gray And Blue-Gray CLAY (Fill)</u>	04	SS	6 7 9(15)	2.5	2.4	98	26
	08	SS	7 7 10(17)	2.5	2.3	101	23
<u>OLD CONCRETE PAVEMENT</u>							
<u>Stiff, Gray-Brown SILTY CLAY LOAM</u>	12	SS	6 6 6(12)	2.0	1.8	99	21
<u>Stiff, Gray-Brown And Dark Gray SILTY CLAY With Some Fine-Grained Gravel (Fill)</u>	16	SS	3 3 4(7)	2.0	1.7	104	19
<u>Stiff, Dark Gray SILTY CLAY With Some Organic Matter</u>		SS	3 4 4(8)	2.1	1.8	94	24
<u>Medium, Dark Gray SILTY CLAY</u>	20	SS	2 2 2(4)	0.5	0.5	88	29
<u>Stiff, Gray SILT LOAM</u>		SS	2 3 3(5)	1.5	1.5	93	25
<u>Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL</u>	24	SS	2 4 5(9)	2.3	2.1	122	13

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)
DATE 6-13-00

BORING NO. B-02

PROJECT Illinois Route 78 Box Culvert Crossing SHEET 4 OF 6
LOCATION Canton, Illinois W. & A. FILE NO. 0981

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
<u>See Sheet 3 of 6</u>							
<u>Hard, Gray, Unweathered GLACIAL SILTY CLAY TILL</u>		SS	4 8 12(20)	4.5*	5.1	124	14
<u>Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL</u>	30	SS	5 9 15(24)	4.2	3.8	124	12
<u>Very Dense, Light Brown And Gray, Fine-Grained SILTY SAND</u>	34	SS	10 25 35(60) 16 33 32(65)	-	-	-	20
<u>Stiff, Gray-Brown SANDY LOAM</u>	38	SS	10 12 15(27)	2.1	1.8	103	19
<u>Hard, Gray, Unweathered GLACIAL SILTY CLAY TILL</u>	42	SS	7 11 15(26)	4.5*	4.7	128	12
<u>Dense, Gray, Fine- to Medium-Grained SAND With Trace Of Coarse-Grained Sand</u>		SS	9 12 18(30)	-	-	-	14
<u>Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL</u>	46	SS	6 13 18(31)	2.0	1.7	121	17
<u>Very Stiff, Gray, Near CLAY SHALE</u>		SS	16 20 24(44)	2.5	2.2	116	10
<u>Very Stiff, Dark Gray And Gray CLAY SHALE</u>	50	SS	9 14 20(34) 10	4.0	3.9	115	16
<u>Hard, Gray CLAY SHALE</u>		SS	17 17 53(70) 72	4.5*	5.2	117	14
<u>Auger Refusal At (-)56.4 Feet EXPLORATORY BORING DISCONTINUED</u>	54	SS	118/2*	4.5*	-	-	13

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

Soil Borings

SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____

PLOT DATE = 6/19/2008
 PLOT SCALE = 1/8"=1'-0"
 PLOT USER = huda@soilme