

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135W-21-RS-5	EULTON	282	129
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-03
DATE 6-13-00
W. & A. FILE NO. 0981
SHEET 5 OF 6
PROJECT ILLINOIS ROUTE 78 BOX CULVERT CROSSING LOCATION Canton, Illinois
BORING LOCATION 59' East Of Route 78 Centerline 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 663.8
GROUND SURFACE ELEVATION 673.3 GROUND WATER ELEVATION AT _____ HRS. _____
BORING DISCONTINUED AT ELEVATION 630.4 GROUND WATER ELEVATION AT COMPLETION 653.1

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
Gray And Brown SILTY CLAY LOAM Organic Topsoil	6"						
Medium, Light Brown And Gray Mottled Dark Brown SILTY CLAY	04	SS	1 1(2)	0.9	0.7	94	25
Medium, Light Brown And Gray Mottled Dark Brown, Weathered GLACIAL SILTY CLAY TILL	08	SS	1 2 3(5) 5 4(9)	1.2	1.0	114	18
Loose, Light Brown And Orange-Brown, Fine-Grained SILTY SAND	12	SS	2 3 5(8)	-	-	-	21
Stiff, Gray SILTY CLAY	16	SS	2 5 6(11)	1.5	1.3	94	27
Very Stiff, Gray And Olive-Green, Weathered GLACIAL SILTY CLAY TILL	20	SS	5 10 11(21)	2.2	2.0	117	12
Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL	24	SS	8 10 11(21) 7 14 21(35)	3.5	3.3	119	14
Stiff, Gray SILT LOAM		SS	10 17 31(48)	3.8	3.5	122	12
Dense, Gray-Brown, Medium- To Coarse-Grained SAND		SS	13 12 22(34)	-	-	-	14

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. FALLING 30 INCHES
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.
Dd - NATURAL DRY DENSITY - P.C.F.
Mc - NATURAL MOISTURE CONTENT - %

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

BORING NO. B-03 **BORING LOG** (CONTINUATION) DATE 6-13-00
PROJECT Illinois Route 78 Box Culvert Crossing SHEET 6 OF 6
LOCATION Canton, Illinois W. & A. FILE NO. 0981

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 5 of 6							
Very Dense, Gray-Brown, Medium- To Coarse-Grained SAND With Occasional Fine-Grained Gravel	30	SS	15 31 53(84)	4.5+	-	-	9
Very Stiff, Gray CLAY SHALE	34	SS	17 26 38(64)	-	-	-	10
Hard, Gray CLAY SHALE	38	SS	11 15 22(37) 17 26 37(63)	4.2	3.7	115	15
Auger Refusal At (-)42.9 Feet EXPLORATORY BORING DISCONTINUED	42	SS	42 65/6*	4.5+	-	-	13
	46						
	50						
	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. FALLING 30 INCHES
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. _____
DATE _____ HORIZ. _____
DRAWN BY _____
CHECKED BY _____

8/19/2000
c:\projects\178canton\genrall.dgn
11/13/00 11:24 AM
hufelshome