

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135W-21, BS-5	EULION	282	121
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-01  
DATE 6-12-00  
W. & A. FILE NO. 0981  
SHEET 1 OF 6

**BORING LOG**

PROJECT ILLINOIS ROUTE 78 BOX CULVERT CROSSING LOCATION Canton, Illinois  
BORING LOCATION 53' West 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 647.3  
GROUND SURFACE ELEVATION 669.8 GROUND WATER ELEVATION AT 24+ HRS. 666.2  
BORING DISCONTINUED AT ELEVATION 623.8 GROUND WATER ELEVATION AT COMPLETION 654.3

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
Gray-Brown SILTY CLAY LOAM Organic Topsoil	18"						
Medium, Black ORGANIC SILTY CLAY		SS	1 2(4)	0.7	0.5	77	31
Medium, Gray And Orange-Brown CLAY	04						
		SS	1 2	1.2	0.9	93	21
Soft, Gray And Orange-Brown SANDY CLAY LOAM	08						
		SS	1 3	0.6	0.4	95	20
Medium, Dark Gray SILTY CLAY With Some Organic Matter		SS	1 1(2)	1.0	0.9	87	34
Very Stiff, Blue-Gray, Weathered GLACIAL SILTY CLAY TILL	12						
		SS	4 5	2.4	2.2	116	19
Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL							
		SS	3 4	1.5	1.3	117	17
Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL	16						
		SS	5 7	3.7	3.4	124	10
	20						
		SS	8 8	3.0	2.8	122	13
Dense, Gray-Brown, Medium- To Coarse-Grained SAND With Some Fine-Grained Gravel	24						
		SS	10 7	-	-	-	12
Medium-Density, Gray And Olive-Green Fine SAND With Seams Of Silt Loam							
		SS	10 12(22)	-	-	-	12

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 NO. B-01

**BORING LOG**  
(CONTINUATION)

DATE 6-12-00

PROJECT Illinois Route 78 Box Culvert Crossing SHEET 2 OF 6  
LOCATION Canton, Illinois W. & A. FILE NO. 0981

DESCRIPTION	DEPTH IN FEET	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
See Sheet 1 of 6							
Very Stiff, Gray, Unweathered GLACIAL SILTY CLAY TILL		SS	8 13	3.2	2.8	123	10
Stiff, Gray, Unweathered GLACIAL SANDY CLAY TILL	30						
		SS	8 13	2.0	1.8	123	15
Very Stiff, Gray, Near CLAY SHALE							
	34						
		SS	6 9	2.9	2.6	113	16
Very Stiff, Gray CLAY SHALE							
		SS	8 11	3.8	3.4	112	19
Hard, Gray CLAY SHALE	38						
		SS	6 14	4.5	4.2	120	15
			43(57)				
		SS	54 120/2'	4.5+	-	-	14
Hard, Gray SANDSTONE	42						
		SS	130/4'	4.5+	-	-	15
Hard, Gray CLAY SHALE	46						
		SS	120/3'	4.5+	-	-	14
EXPLORATORY BORING DISCONTINUED							
	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.  
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

DRAWN BY  
CHECKED BY

PLOT DATE: 8/19/2000  
 FILE NAME: c:\projects\78\Borings\general.dgn  
 USER: jh  
 USER NAME: jh