

** Special soil treatment involves controlled settlement and consolidation beneath culvert to achieve soil bearing capacity as roadway embankment is placed. See Claudio H. Hurley soils report dated December 31, 2001; revised November 25, 2003 for details. Plan as shown incorporates BBS recommendations for soil removal and replacement.


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	55-2	MCDONOUGH	1025	453
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5
8 SHEETS

Contract No. 68205

BORING NO. B-01
DATE 12-02-92
W. & A. FILE NO. 5583
SHEET 1 OF 4



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

BORING LOG

PROJECT **CHALMERS TOWNSHIP BRIDGE; #92-04112-00-BR** LOCATION **McDonough County, IL**
BORING LOCATION **Station 9+75; 4' Right of Centerline** DRILLED BY **Fehl**
BORING TYPE **Hollow-Stem Auger** WEATHER CONDITIONS **Partly Cloudy & Cool**
SOIL CLASSIFICATION SYSTEM **U. S. B. S. C.** SEEPAGE WATER ENCOUNTERED AT ELEVATION **600.5**
GROUND SURFACE ELEVATION **610.3** GROUND WATER ELEVATION AT **3** HRS. **603.1**
BORING DISCONTINUED AT ELEVATION **553.8** GROUND WATER ELEVATION AT COMPLETION **600.1**

DEPTH IN FEET	DESCRIPTION	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
6*	CRUSHED LIMESTONE						
	Medium, Brown SILTY CLAY with a Trace of Fine-Grained Gravel	SS	2 2 3(5)	0.5	0.5	-	26
04	Stiff, Dark Brown SILTY CLAY	SS	4 5 7(12)	1.8	1.5	-	23
08	Very Soft, Dark Brown SANDY CLAY LOAM	SS	1 2 1(3)	0.3	0.1	-	21
12	Medium, Dark Brown SANDY CLAY LOAM	SS	1 1(2)	0.2	0.1	-	20
16	Soft, Dark Brown SANDY CLAY LOAM	SS	6 7 8(15) 7	0.7	0.6	-	22
20	Medium-Density, Dark Brown and Brown SANDY CLAY LOAM with Some Medium-Grained Gravel	SS	8 9 11(20) 7	1.4	1.1	-	31
24	Stiff, Dark Brown and Gray SILTY CLAY	SS	8 9 11(20) 8	1.9	1.8	-	20
	Very Stiff to Hard, Gray, Unweathered GLACIAL SILTY CLAY TILL	SS	11 12(23)	3.7	3.6	-	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. 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 LOG
(CONTINUATION) DATE 12-02-92

BORING NO. **B-01**
PROJECT **Chalmers Township Bridge; #92-04112-00-BR** SHEET **2** OF **4**
LOCATION **McDonough County, Illinois** W. & A. FILE NO. **5585**

DEPTH IN FEET	DESCRIPTION	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
	See Sheet 1 Of 4	SS	7 10 12(22)	4.5*	4.6	-	18
30		SS	8 12 16(28)	5.5	5.4	-	18
34	Hard, Dark Brown Near CLAY SHALE	SS	9 9 11(20) 40	3.8	3.4	-	15
	Hard, Dark Brown CLAY SHALE	SS	70	4.5*	6.3	-	11
38		SS	97/5*	4.5*	-	-	9
42		SS	103/5*	-	-	-	7
		SS	98/4*	-	-	-	17
46		SS	113/6*	-	-	-	11
50	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. FALLING 30 INCHES
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Mc - NATURAL MOISTURE CONTENT - %

WHITNEY & ASSOCIATES
PEORIA, ILLINOIS

DESIGNED	LLV
CHECKED	PJL
DRAWN	MGM
CHECKED	LLV

METRIC TO ENGLISH CONVERSIONS

Depth: 1 meter = 3.281 ft.
Unconfined compressive strength, Qu: 100 KPa = 1.04 tons/sq. ft.

BORING LOGS
TWP. ROAD 226 OVER
TRIBUTARY TO KILLJORDAN CREEK
IL. ROUTE 336
F.A.P. ROUTE 315 SECT. 55-2
MCDONOUGH COUNTY
STATION 104+35.44
STRUCTURE NO. 055-2502



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