


** Special soil treatment involves controlled settlement and consolidation beneath culvert to achieve soil bearing capacity as roadway embankment is placed. See Claude 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	454
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

Contract No. 68205

BORING NO. 8-02
DATE 12-02-92
W & A FILE NO. 5583
SHEET 3 OF 4



WHITNEY & ASSOCIATES
INCORPORATED
2405 West Nebraska Avenue
PEORIA, ILLINOIS 61604

BORING LOG

PROJECT CHALMERS TOWNSHIP BRIDGE; #92-04112-00-BR LOCATION McDonough County, IL
BORING LOCATION Station 10+16, 5' Left of Centerline DRILLED BY Fehl
BORING TYPE Hollow-Stem Auger WEATHER CONDITIONS Partly Cloudy & Cool
SOIL CLASSIFICATION SYSTEM U.S. S.C. SEEPAGE WATER ENCOUNTERED AT ELEVATION 600.7
GROUND SURFACE ELEVATION 609.8 GROUND WATER ELEVATION AT HRS.
BORING DISCONTINUED AT ELEVATION 563.3 GROUND WATER ELEVATION AT COMPLETION 600.3

DEPTH IN FEET	DESCRIPTION	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
04	Soft, Dark Brown SILTY CLAY LOAM With Some Fine- To Medium-Grained SAND And Trace of Organic Matter	SS	2 2 3(5)	0.5	0.4	-	19
		SS	3 3 4(7)	0.5	0.3	-	27
08	Soft, Brown SILTY CLAY With Some Fine- To Medium-Grained Sand	SS	1 2 3(5)	0.3	0.3	-	24
12	Soft To Very Soft, Brown SILTY CLAY With Considerable Fine- To Medium-Grained Sand	SS	2 3 3(6)	0.5	0.4	-	18
		SS	1 2 2(4)	0.2	0.1	-	26
16	Loose, Gray, Fine-Grained SAND	SS	1 2 4(6)	-	-	-	-
20	Medium-Density, Brown, Medium- To Coarse-Grained GRAVEL	SS	4 8 9(17)	-	-	-	-
		SS	3 7 10(17)	-	-	-	-
24	Medium-Density, Gray-Brown, Fine-Grained SAND	SS	4 8 16(24)	3.5	3.0	-	20
	Very Stiff, Gray SILTY CLAY LOAM						

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 12-02-92

BORING NO. 8-02
PROJECT Chalmers Township Bridge; #92-04112-00-BR SHEET 4 OF 4
LOCATION McDonough County, Illinois W. & A. FILE NO. 5585

DEPTH IN FEET	DESCRIPTION	SAMPLE TYPE	N	Qp	Qu	Dd	Mc
	See Sheet 3 of 4	SS	8 12 17(29)	4.1	3.7	-	19
30	Very Stiff, Gray And Orange-Brown SILTY CLAY TILL	SS	11 22 23(45)	3.8	3.6	-	23
34	Hard, Dark Gray SHALE	SS	42 72	4.5+	-	-	10
		SS	102/5*	4.5+	-	-	9
38		SS	92/4*	4.5+	-	-	7
42		SS	57/3*	4.5+	-	-	8
		SS	65/3*	4.5+	-	-	8
46		SS	61/3*	4.5+	-	-	9
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.
Qu - UNCONFINED COMPRESSIVE STRENGTH - T.S.F.
Dd - NATURAL DRY DENSITY - P.C.F.
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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