

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

ROUTE IL 251 DESCRIPTION P92-071-05 Box Culvert, IL 251 over a ditch, 2.6 m. S. of IL 72 LOGGED BY W. Garza Date 11/4/05

SECTION _____ LOCATION White Rock Twp. - 2NE, SEC., TWP. 41N, RNG. 1E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-2001 Station 324+82
BORING NO. B-2 Station 324+57 Offset 15.00R Rt CL Ground Surface Elev. 99.50 ft

SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)
MEDIUM dark brown LOAM			0.8 P	22.0	78.50	7	5.0	18.0
STIFF dark brown SILTY CLAY LOAM	97.50	3				2		
	96.00	5	1.3 P	33.0		3	0.6	25.0
					75.50			
SOFT dark gray LOAM with 9% ORGANICS		2				3		
	93.50	4	0.3 P	43.0		6		
STIFF gray SILTY CLAY LOAM		1				7		
	91.00	4	1.2 B	28.0		8		
MEDIUM gray SILTY CLAY with fine SAND lens		2				1		
	88.50	4	0.8 B	25.0		1		
STIFF tan SILTY LOAM with fine SAND		3				3	1.3	18.0
	86.00	4						
STIFF olive-green SILTY LOAM TILL		3				4	1.5	16.0
	83.50	6						
HARD gray SILTY CLAY TILL		4				8	4.3	14.0
	81.00	9						
HARD gray SILTY CLAY TILL		4						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



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COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-2001 Station 324+82
BORING NO. B-1 Station 325+14 Offset 56.00R Lt CL Ground Surface Elev. 95.00 ft

SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)
STIFF brown LOAM					74.00	2		
						2		
STIFF brown LOAM	93.00	2				3		
	91.50	3	1.8 P	21.0		8		
					71.50	10		
MEDIUM gray SILTY CLAY LOAM		2				3		
	89.00	3	0.9 B	34.0		1		
					69.00	2		
MEDIUM gray tan SANDY LOAM		1						
	86.50	2	0.8 P	12.0				
					66.50			
VERY STIFF olive-green SILTY CLAY TILL		3				5	2.1	16.0
	84.00	7				1		
					64.00			
VERY STIFF gray SILTY CLAY TILL		4				5	3.5	18.0
	81.50	7						
VERY STIFF gray SILTY CLAY TILL with SILT lens at bottom		5				7	3.5	19.0
	79.00	10						
SOFT gray SILT		3				3	0.2	25.0
	76.00	3						
VERY LOOSE gray fine SAND		2						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



DESIGNED - BAB
CHECKED - KEF
DRAWN - LAD
CHECKED - GBM

SOIL BORINGS

IL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

SHEET NO. 6	F.A.S. RTE. 1042	SECTION 107T-1	COUNTY OGLE	TOTAL SHEETS 53	SHEET NO. 33
6 SHEETS	STRUCTURE NO. 071-2027		CONTRACT NO. 64B09		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			