STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 12/5/08

ROUTE FAI 39 DESCRIPTION P92-003-09 Box Culvert, I-39 culvert Ext. E. side, .7 m. N. of I-88 LOGGED BY W. Garza

SECTION (141-1) M-1 LOCATION Dement Twp. - 29 SE, SEC., TWP. 40N, RNG. 2E

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

STRUCT. NO. 071-1091
Station 1446+49.5

BORING NO. B-2
Station 1446+65
Offset 2.00ft E of Shoulder
Ground Surface Elev. 99.50 ft

Surface Water Elev. ft
Stream Bed Elev. 89.50 ft

Groundwater Elev.:
First Encounter 85.0 ft ▼
Upon Completion 79.5 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder Rock					
	97.50				
MEDIUM gray SILTY CLAY LOAM				0.9 P	17.0
	95.50				
MEDIUM tan fine SAND		-5	5 6 9		
	93.00				
VERY STIFF dark gray LOAM with SAND lens			6 5 6	2.5 P	17.0
	91.00				
STIFF gray SILTY CLAY		-10	2 3 5	1.7 B	25.0
	88.00				
MEDIUM tan dirty moist SANDY GRAVEL			7 9 11		
	86.00				
MEIDUM gray clean medium coarse SAND		▼ -15	4 6 10		
	83.00				
MEDIUM light brown SILTY CLAY LOAM TILL			5 2 4	0.9 B	14.0
	80.50				
STIFF gray SILT		▽ -20	2		
STIFF gray SILT *(continued)*			9 12	1.1 P	22.0
	78.50				
SOFT gray SILT			10 6 5	0.3 B	25.0
	75.50				
MEDIUM gray wet fine SAND		-25	2 6 10		
	73.50				
LOOSE gray fine SAND			4 3 6		
	70.50				
STIFF gray SILT with fine SAND		-30	5 8 13	1.0 P	22.0
Water Freezing					
End of Boring	68.50				
End of Boring		-35			
		-40			

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	PRD
CHECKED	WAT
DRAWN	CJS
CHECKED	PRD

DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

SOIL BORING LOG
STRUCTURE NO. 071-1091

SHEET NO. 4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS 4	412	(141-1) M-1	OGLE	82	38
			CONTRACT NO. 64E60		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		