STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 1

Date 12/21/09

ROUTE FAI 74 DESCRIPTION D92-025-10 I-74 Sign Truss, .2 m. N. of the Rock River LOGGED BY W. Garza

SECTION LOCATION S. Moline Twp. - 16NE, SEC. , TWP. 17N, RNG. 1W

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

STRUCT. NO. Site 405
Station

BORING NO. B-1d
Station
Offset 5.00ft E of Lath
Ground Surface Elev. 100.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 93.0 ft ▼
Upon Completion 87.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM				0.8 P	26.0
	98.00				
VERY SOFT light brown LOAM			2		
			4	0.2 P	18.0
			4		
	96.00				
MEDIUM tan very moist weathered LIMESTONE		-5	6		
			8		
			9		
	93.50				
STIFF brown LOAM with SILT lens	▼		9		
			11	1.8 S	16.0
	91.50		7		
VERY STIFF brown LOAM with GRAVEL fill		-10	6		
			12	2.0 P	9.0
	89.00		18		
DENSE gray/brown/tan FILL with LIMESTONE			19		
	▽		37		9.0
	86.50		9		
VERY SOFT brown LOAM, very moist		-15	5		
			5	0.2 P	25.0
	84.00		6		
STIFF dark brown CLAY LOAM with LIMESTONE fragments			1		
			4	1.7 B	29.0
			5		
	81.00				
VERY DENSE gray SHALE		-20	100/4"		
VERY DENSE gray SHALE (continued)	79.00				
VERY DENSE gray SHALE			100/4"		
	76.50				
VERY DENSE gray SHALE		-25	100/2"		
	74.00				
End of Boring		-30			
		-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)

STATE OF ILLINOIS
MEHMET B. CIVELEK
081-005449
EXP 11-30-10
CHICAGO, ILL.
LICENSED STRUCTURAL ENGINEER

Mehmet B. Civelek
03-10-2010

STEEL ROADSIDE D.M.S.
SUPPORT
BORING LOGS SHEET 3

DESIGNED	MBC
CHECKED	KLG
DRAWN	FJD
CHECKED	KLG

200

EXAMINED
ENGINEER OF BRIDGE DESIGN

PASSED
ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23 SHEETS 23	74+280	D2.IT MESSAGE SIGN	ROCK ISLAND	23	23
			CONTRACT NO. 64F86		
		ILLINOIS FED. AID PROJECT	C-92-061-10		