

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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Date 1/4/10

ROUTE FAI 74 DESCRIPTION D92-025-10 I-74 Sign Truss, 5 m. N. of 23rd Avenue LOGGED BY W. Garza

SECTION \_\_\_\_\_ LOCATION Moline Twp. - 4NW. SEC., TWP. 17N, RNG. 1W

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

STRUCT. NO.	Station	DEPTH	BLOW	UNCONSOLIDATED	MATERIAL	Surface Water Elev.	Stream Bed Elev.	GROUNDWATER ELEV.	DEPTH	BLOW	UNCONSOLIDATED	MATERIAL
Site 404		(ft)	(/ft)	(tsf)	(%)	ft	ft	ft	(ft)	(/ft)	(tsf)	(%)
				0.5 P	16.0			STIFF tan SILTY LOAM (continued)	3	4	1.0 B	32.0
	97.50		3							1		
	96.00		6	3.0 P	23.0			MEDIUM olive green SILTY LOAM	2	4	0.9 B	28.0
			7									
	93.50		1					STIFF olive green SILTY LOAM with 29% ORGANICS	4	8	1.5 P	78.0
			3	1.0 B	27.0							
			4							12		
	91.00		1					STIFF light gray SILTY CLAY LOAM	2	4	1.7 B	27.0
			2	0.3 P	28.0					6		
			2									
	88.50		0					STIFF light gray SILTY CLAY TILL	1	4	1.6 B	25.0
			2	0.3 P	25.0					6		
			3									
	86.00		1					STIFF light gray SILTY CLAY	1	3	1.8 B	24.0
			3	0.3 B	24.0					5		
	83.50		1					MEDIUM light gray SILTY CLAY TILL with SAND lens	1	3	1.0 P	22.0
			3	0.4 B	26.0					5		
			3									
	81.00		1					VERY STIFF gray TILL	1	3	2.1 B	16.0
			4	0.6 B	25.0					6		
			5									
								End of Boring				
			1									

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 <u>MBC</u>	200
CHECKED <u>KLK</u>	EXAMINED
DRAWN <u>FJD</u>	ENGINEER OF BRIDGE DESIGN
CHECKED <u>KLK</u>	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES



Mehmet B. Civelek  
03-10-2010



SOIL BORING LOG

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Date 1/4/10

ROUTE FAI 74 DESCRIPTION D92-025-10 I-280 Sign Truss, 1.3 miles W. of I-74 LOGGED BY W. Garza

SECTION \_\_\_\_\_ LOCATION Blackhawk Twp. - 20NE. SEC., TWP. 17N, RNG. 1W

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

STRUCT. NO.	Station	DEPTH	BLOW	UNCONSOLIDATED	MATERIAL	Surface Water Elev.	Stream Bed Elev.	GROUNDWATER ELEV.	DEPTH	BLOW	UNCONSOLIDATED	MATERIAL
Site 407		(ft)	(/ft)	(tsf)	(%)	ft	ft	ft	(ft)	(/ft)	(tsf)	(%)
								STIFF dark brown SILTY CLAY LOAM			1.1 P	21.0
	97.60		3									
	96.10		6	1.8 S	23.0			STIFF black CLAY LOAM	6	5		
			7									
	93.60		5					VERY STIFF dark gray SILTY LOAM	5	6	2.1 B	17.0
			6									
	91.10		2					STIFF dark gray LOAM with 10% ORGANICS	3	4	1.0 B	40.0
			3									
			4									
	88.10		2					MEDIUM dark gray SILTY CLAY LOAM	3	5	0.8 P	34.0
			3									
			5									
	85.60		3					MEDIUM gray dirty SANDY GRAVEL	7	8		
			7									
			8									
	83.10		3					VERY STIFF gray LOAM TILL	5	7	2.8 B	15.0
			5									
			7									
	80.60		6					VERY DENSE light gray weathered LIMESTONE	100/7			
								End of Boring				

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)

STEEL ROADSIDE D.M.S.  
SUPPORT  
BORING LOGS SHEET 2

SHEET NO. 22	F.A. RTE. 74+280	SECTION D2.IT MESSAGE SIGN	COUNTY ROCK ISLAND	TOTAL SHEETS 23	SHEET NO. 22
SHEETS 23		CONTRACT NO. 64F86			
ILLINOIS FED. AID PROJECT C-92-061-10					