

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (Bridge Approach South Abutment) LOGGED BY Larry Ford Date 4/22/02

SECTION 82-14.5.6-1R LOCATION NW 1/4, NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0176
Station _____
BORING NO. #4 S. Abut
Station 33+74 (IL 159)
Offset 0.007 CL (IL 159)
Ground Surface Elev. 598.8 ft

DEPTH H S	BLOW S	UCS Qu	MOIST T (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs.	DEPTH H S	BLOW S	UCS Qu	MOIST T (%)
									4	2.2		
									7	5/15	23	
									9			
	2								1			
	3								2	1.5		
	5	NC	9						4	5/15	36	
	4								3			
	5	2.9							4	1.4		
	6	R	21						5	5/15	27	
	4								2			
	6	2.9							4	1.4		
	8	S/10	22						5	5/15	29	
	5								3			
	7	3.3							3	1.9		
	11	S/20	22						5	5/15	27	
	4								0			
	6	2.9							0	0.8		
	10	S/10	23						0	5/15	30	
	4								6	1.8		
	9	S/10	25									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Paranometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-89)



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Page 2 of 2

ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (Bridge Approach South Abutment) LOGGED BY Larry Ford Date 4/22/02

SECTION 82-14.5.6.7-1R LOCATION NW 1/4, NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0176
Station _____
BORING NO. #4 S. Abut
Station 33+74 (IL 159)
Offset 0.007 CL (IL 159)
Ground Surface Elev. 598.8 ft

DEPTH H S	BLOW S	UCS Qu	MOIST T (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs.	DEPTH H S	BLOW S	UCS Qu	MOIST T (%)
									3	1.0		
									3	5/10	25	
									2			
									5	1.3		
									5	5/10	25	
									3	1.0		
									5	5/10	25	
									3			
									5	1.9		
									5	5/15	27	
									5	7	5/8	28

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Paranometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-89)

DESIGNED - T/JZ
CHECKED - CWC
DRAWN - DLH
CHECKED - CWC, SDS

WHKS & CO.
ENGINEERING
7018 KINGSMILL CT.,
SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

BORING LOGS
STRUCTURE NO. 082-0176

SHEET NO. 34 34 SHEETS	F.A. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 117
	CONTRACT NO. 76D59			ILLINOIS FED. AID PROJECT	