



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 4

Date 9/17/07

ROUTE FAS 662 (TR 61) DESCRIPTION TR 61 Extension - Embarras River Bridge LOGGED BY E. Sandschafer
SECTION 01-00061-00-BR LOCATION E 1/2, SEC. 12, TWP. 10 N, RNG. 9 E, 3 PM
COUNTY Cumberland DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	D P T H	B L O S	U C S I S	M O S I T	Surface Water Elev. Stream Bed Elev.	D E L T H	B L C S	U C S I S	M O S I T
BORING NO. Station Offset Ground Surface Elev.					Groundwater Elev.: First Encounter Upon Completion After 48 Hrs.	(ft)	(/6")	(tsf)	(%)
018-3191 473+00 0.00ft CL 544.41					531.67 ft 529.00 ft 529.9 ft 535.2 ft	2 2			15
					Very loose, wet, brown, Gravely SAND. 4% passing #200 sieve.				
					522.41	2			
					Hard, damp, gray, CLAY LOAM TILL.	2	4.1		11
						2	B		
						3			
						25			
539.01						9	4.5		9
						13	PP		
						3			
						3			
						16	7.8		9
						23	S		
						9			
						3			
						3			
534.91						8			
						17	7.3		10
						25	B		
						2			
						2			
						1			
						2			
						3			
						2			
						2			
						14			1
						19			
						6			
						35			
						2			
						2			
						2			
						2			
504.91						14			
						19			
						6			
						35			
						2			
						2			
						2			
524.41						16			

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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018-3191 473+00 0.00ft CL 544.41					531.67 ft 529.00 ft 529.9 ft 535.2 ft	2 2			15
					Soft, very damp, gray, CLAY LOAM TILL (continued)	14	0.3		14
					Gray, SAND/GRAVEL/TILL mixture. (continued)	24	PP		8
					Very stiff, damp, dark gray, SILTY CLAY TILL w/ wood splinters.	8			2.5
					484.11	6			8
						8			
						9			
						12	2.4		14
						17	B		
						9			
						16	7.8		9
						23	S		
						9			
						3			
						3			
499.91						8			
						17	7.3		10
						25	B		
						2			
						2			
						1			
						2			
						3			
						2			
						2			
						14			1
						19			
						6			
						35			
						2			
						2			
						2			
						2			
						14			
						19			
						6			
						35			
						2			
						2			
						2			
						2			
						2			
484.91						3			

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04/01/2008 03:06 PM
F:\Users\johndoe\Documents\Structure\Sheets\River_Bridge_Plans.dgn

LAYOUT	JWM	11/29/07
DRAWN	DAP	12/28/07
REVIEWED	JWM	02/07/08

BORINGS (SHEET 4)
F.A.S. 662 (TR 61) OVER EMBARRAS RIVER
CUMBERLAND COUNTY
SECTION 01-00061-00-BR
STA. 470+75.00
STRUCTURE NUMBER 018-3191
PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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JOB NO.
01S2021B
DATE
02/04/08