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MIDLAND STANDARD ENGINEERING & TESTING, INC.									
BRIDGE FOUNDATION BORING LOG									
PROJECT IL 31 - Algonquin Bypass			BRIDGE Ramp C over Crystal Creek			SHEET 1 OF 2		DATE 1/8/09	
ROUTE IL Route 31 - Ramp C (Southbound Entrance)			BORED BY SPE			CHECKED BY WJW		STATION 4+65 to 6+30	
COUNTY	McHenry	WATER LEVEL DURING DRILLING		5.5'		GROUND WATER AT COMPLETION		6.0'	
BORING	BB-5	Depth	N/6"	Qu	tsf	W	%	Depth	N/6"
STATION	4+65	Grouted at Completion		Qu	tsf	W	%	Qu	tsf
OFFSET	6' L of CL			W	%			W	%
GROUND SURFACE EL.	740.0	Ft						Ft	
Black Silty CLAY/TOPSOIL, A-6		4		-		28		5	
		6						8	3.05
		9						13	B
		13						16	
Grey SAND and GRAVEL, A-1, medium dense	737.5	5		-		11		25	
		4						7	2.87
		5						11	B
		7						11	
		13				9		5	2.63
		18						10	B
Brown and Grey CLAY, trace Gravel, A-6, very stiff	732.0	10		3	2.33	13		30	
		5						8	3.60
		7						13	B
		10						13	
		5						5	3.05
		7						10	B
		10						10	
to Grey		5						8	3.67
		8				13		11	B
		11						12	
		5						8	4.22
		8						12	B
		11						12	
		5						7	2.60
		8						10	B
		11						13	
		5						9	2.91
		9				13		13	B
		13						13	

N-Standard Penetration Test-Blows per foot to drive 2 inch
 O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches
 Qu-Unconfined Compressive Strength (tsf)
 W- Water Content-percentage of oven dry weight (%)
 Type failure: B- Bulge Failure
 S- Shear Failure
 E- Estimated Value
 P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.									
BRIDGE FOUNDATION BORING LOG									
BORING BB-5			SHEET 2 OF 2						
CONTINUED		Depth	N/6"	Qu	tsf	W	%	Depth	N/6"
Grey Clay LOAM, A-6, very stiff	700.0	Ft						Ft	
		9						13	
		13			3.63		12	16	
		16			B			45	
Grey SAND, A-2, medium dense	694.0								
		8						11	
		11						16	17
		16						50	
End of Boring @ 50.0'	690.0								

5/2/2012



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DRAWN	- M. LANGE	REVISED	-
DESIGNED	- D. ATKINS	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 5/3/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
SB ENTR. RAMP (RAMP C) OVER CRYSTAL CREEK
STRUCTURE NO. 056-0080

SHEET NO. SD28 OF SD30 SHEETS

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	582
CONTRACT NO. 60F72			ILLINOIS FED. AID PROJECT	