

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering  
805 Amberst Court, Suite 204  
Naperville, Illinois 60565  
(630) 354-2856

### SOIL BORING LOG

PAGE 1 of 3  
DATE 5/23/2011  
LOGGED BY RJ  
GSI JOB No. 10191

ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River  
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township  
COUNTY Kane DRILLING METHOD Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-6024  
Station 115+15  
BORING NO. BR-04  
Station 115+15 Red Gate Road  
Offset Baseline  
Barge Deck Elevation 687.5

DEPTH (ft)	UCS (tsf)	MOISTURE (%)	DEPT (ft)	UCS (tsf)	MOISTURE (%)	
686.0			12			
			6			
			8	NP	9	
			14			
			9			
			-25	NP	7	
680.5			14			
	PS	NP	29			
			5			
			5			
			-10	NP	37	
677.0						
			2		98	
			2			
			3	0.98	27	
			2		96	
			3			
			-15	4	1.48	28
			6		90	
			8			
			8	0.88	32	
669.5						
			8			
			11			
			-20	NP	9	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)  
NR-No Recovery PS-Pushed Spoon

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			6		
			8	NP	9
			14		
			9		
			-25	NP	7
645.5					
			13		
			13		
			-45	NP	9
			18		
			18		
			-65	NP	9
620.5					
			12		
			14		
			-50	NP	11
			19		
			22		
			-70	NP	8
			23		
			23		
			-55	NP	8
			13		
			16		
			-55	NP	8
630.5					
			20		
			22		
			-80	NP	8
			28		
			28		
			-80	NP	10

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PIER 4 SOIL BORING LOG

**benesch** Alfred Benesch & Company  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
engineers · scientists · planners 312-565-0450 Job No. 10092

FILE NAME = 0456024_002_BoringLog3.dgn	USER NAME = akoeschall	DESIGNED - MFH	REVISD -	 <p><b>CITY OF ST. CHARLES</b></p>	<p><b>SOIL BORING LOGS - PIER 4</b> <b>STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER</b></p>	F.A.I. RTE. =	SECTION = 04-00092-00-BR	COUNTY = KANE	TOTAL SHEETS = 440	SHEET NO. = 274
PLOT SCALE =	DRAWN - MFH	REVISD -	CONTRACT NO. 63650							
PLOT DATE = 11/9/2011	CHECKED - AJK	REVISD -	ILLINOIS FED. AID PROJECT							

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