

Geo Services, Inc.		SOIL BORING LOG		PAGE 1 of 3	
Geotechnical, Environmental & Civil Engineering 805 Amberst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2856		DATE 12/3-8/2010		LOGGED BY MR	
ROUTE IL Rte. 25 & IL Rte. 31		DESCRIPTION Red Gate Road Over The Fox River		GSI JOB No. 10191	
SECTION 04-00092-00-BR		LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township		COUNTY Kane	
DRILLING METHOD Hollow Stem Auger/Rotary		HAMMER TYPE CME Automatic			
STRUCT. NO. 045-6024	Station 115+15	Surface Water Elev. n/a	Stream Bed Elev. n/a	DEPT H	BULG S
BORING NO. BR-06	Station 118+16 Red Gate Road	Groundwater Elevation:	First Encounter 686.2	UCS Qu	MOIST
Offset 7.0' Right	Ground Surface Elev. 689.2	Upon Completion n/a	After Hrs. n/a	(ft) /6" (tsf) (%)	(%)
Sandy TOPSOIL with Gravel-brown	688.2	AS	-	17	
CLAY LOAM-dark brown-medium stiff (A-6)	686.2	3	0.75P	23	98
SAND & GRAVEL-brown-medium dense (A-1-b)	683.7	3			36
SAND-brown-medium dense (A-3)	676.2	6			13
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	673.7	6			23
SILT CLAY LOAM-gray-stiff (A-4)	673.7	6			10
SILT CLAY to SILTY CLAY LOAM-gray-stiff (A-4/A-6) Wet	673.7	6	1.2B	28	96
		2	1.65P	29	95
		2			16
		2			18
		2			40

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 T208) The Unit Dry Weight (pcf) is noted in Italics above moist (%). NR-No Recovery PS-Pushed Spoon

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SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	686.7	10	1.1B	30	
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			41
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			50/3
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			65
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			70
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			75
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			80
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			85
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			90
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			95
SAND, GRAVEL & FRACTURED ROCK-gray-medium dense to very dense (A-1)	683.7	15			100

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PIER 6 SOIL BORING LOG

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

FILE NAME = 0456024_054_BoringLog5.dgn	USER NAME = akaeschell	DESIGNED - MFH	REVISD -	 <p>CITY OF ST. CHARLES</p>	<p>SOIL BORING LOGS - PIER 6</p> <p>STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER</p> <p>SHEET NO. 554 OF 556 SHEETS</p>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLDT SCALE =	CHECKED - AJK	REVISD -			04-00092-00-BR	KANE	440	276	
	PLDT DATE = 11/9/2011	DRAWN - MFH	REVISD -			CONTRACT NO. 63650		ILLINOIS FED. AID PROJECT		
		CHECKED - AJK	REVISD -							

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