

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838		SOIL BORING LOG		PAGE 1 of 3	
ROUTE <u>Bridge Street</u>		DESCRIPTION <u>Bridge St. Over North Shore Channel, IDOT Pri. No. BRM-9003(008)</u>		DATE <u>7/13/2011</u>	
SECTION <u>08-00251-00-BR</u>		LOCATION <u>Section 12, T 41 N, R 13 E, Evanston Township, 3rd PM</u>		LOGGED BY <u>DR</u>	
COUNTY <u>Cook</u>		DRILLING METHOD <u>Hollow Stem Auger/Rotary</u>		HAMMER TYPE <u>CME Automatic</u>	
STRUCT. NO. <u>016-6953</u>		Surface Water Elev. <u>---</u>		DEPTH (ft)	
Station <u>99+16.50 to 100+83.50</u>		Stream Bed Elev. <u>---</u>		BLOW COUNT (blows/ft)	
BORING NO. <u>B-01</u>		Groundwater Elevation: <u>---</u>		UNSATURATED UNIT WEIGHT (pcf)	
Station <u>101+01</u>		First Encounter <u>Dry to 10.0'</u>		MOISTURE (%)	
Offset <u>50.0' Left</u>		Upon Completion <u>n/a</u>		SPT (blows)	
Ground Surface Elev. <u>+20.5 CCD</u>		After _____ Hrs. <u>---</u>		SPT (blows)	
CLAYEY TOPSOIL with Gravel - dark brown & black		Torvane @ -22.5' Shear Strength=369psf		107	
+17.0		Torvane @ -25.0' Shear Strength=430psf		24	
SILTY CLAY - brown & gray - very stiff (A-6)		CLAY - gray - very soft to soft (A-6)		23	
+12.5		Torvane @ -27.5' Shear Strength=430psf		24	
CLAY - brown - stiff (A-6/A-7) Wet		Torvane @ -30.0' Shear Strength=358psf		24	
Torvane @ -12.5' Shear Strength=840psf		Torvane @ -35.0' Shear Strength=492psf		21	
+7.5		CLAY - brown & gray - soft (A-6/A-7) Wet		101	
Torvane @ -15.0' Shear Strength=256psf		Torvane @ -40.0' Shear Strength=696psf		21	
+5.0		Torvane @ -17.5' Shear Strength=348psf		103	
CLAY - gray - very soft to soft (A-6)		Torvane @ -20.0' Shear Strength=594psf		21	

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Ground Surface Elev. <u>+20.5 CCD</u>		After _____ Hrs. <u>---</u>		SPT (blows)	
CLAY - gray - very soft to soft (A-6)		CLAY - gray - medium stiff to stiff (A-6)		107	
-22.5		SILTY LOAM - gray - medium stiff (A-4)		24	
CLAY - gray - medium stiff to stiff (A-6)		CLAY LOAM - gray - very stiff (A-6)		23	
-27.5		CLAY - gray - medium stiff to stiff (A-6)		21	
CLAY - gray - medium stiff to stiff (A-6)		CLAY - gray - medium stiff to stiff (A-6)		18	
-57.5		SANDY CLAY LOAM - gray - dense (A-2)		14	

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Ground Surface Elev. <u>+20.5 CCD</u>		After _____ Hrs. <u>---</u>		SPT (blows)	
SANDY CLAY LOAM - gray - dense (A-2)		CLAY - gray - very stiff (A-6)		100	
-61.5		CLAY - gray - very stiff (A-6)		24	
CLAY LOAM - gray - hard (A-6)		CLAY - gray - very stiff (A-6)		22	
-86.5		SILT - gray - dense (A-4)		NR	
-94.5-115		Drillers Observation: Apparent Bedrock, -95.5		NR	
-77.5		End Of Boring @ -116.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10.0' Of 4.0" Casing Used CME Automatic Hammer		NR	
CLAY - gray - very stiff (A-6)		CLAY - gray - very stiff (A-6)		21	



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10055.02

FILE NAME =	USER NAME = eship	DESIGNED - MJF	REVISED -
0166953_037_Boring1.dgn		CHECKED - EFS	REVISED -
	PLOT SCALE =	DRAWN - RMG	REVISED -
	PLOT DATE = 2/19/2013	CHECKED - EFS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1 OF 3
STRUCTURE NO. 016-6953 BRIDGE ST. OVER THE NORTH SHORE CHANNEL
SHEET NO. S37 OF S50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00251-00-BR	COOK	118	90
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63817	

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