

SOIL BORING LOG				PAGE 1 of 4			
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 365-2836				DATE 7/11-12/2011 LOGGED BY DR GSI JOB No. 10019			
ROUTE Bridge Street DESCRIPTION Bridge St. Over North Shore Channel, IDOT Pri. No. BRM-9003(00B) SECTION 08-00251-00-BR LOCATION Section 12, T 41 N, R 13 E, Evanston Township, 3rd PM COUNTY Cook DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic							
STRUCT. NO.	STATION	BORING NO.	GROUND SURFACE ELEV.	DEPTH	SOIL TYPE	UCS	MOIST
016-6953	99+16.50 to 100+83.50	B-02	+20.0 CCD	(ft)	(%)(tsf)	(tsf)	(%)
Surface Water Elev. --- Stream Bed Elev. --- Groundwater Elevation: --- First Encounter Dry to 10.0' ∇ Upon Completion n/a ∇ After Hrs. --- ∇							
12.0" TOPSOIL-black +19.0							
CLAY LOAM-dark brown, gray & black-very stiff to hard (A-6) Fill							
CLAY-brown & gray-medium stiff to stiff (A-6/A-7) Wet							
CLAY-gray-very soft (A-6/A-7) Wet							
CLAY-gray-very soft to soft (A-6) Wet							
SILTY CLAY-gray-very stiff (A-4/A-6)							
CLAY-gray-very soft to soft (A-6) Wet							

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

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CLAY-gray-very soft to soft (A-6) Wet							
CLAY-gray-medium stiff to stiff (A-6)							
CLAY-gray-medium stiff to stiff (A-6)							
CLAY-gray-medium stiff to stiff (A-6)							
CLAY-gray-medium stiff to stiff (A-6)							
CLAY-gray-medium stiff to stiff (A-6)							
CLAY LOAM-gray-hard (A-6)							

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CLAY LOAM-gray-hard (A-6)							
SILTY SAND & GRAVEL-gray-very dense (A-2)							
SILTY LOAM to LOAM-gray-very dense (A-4)							
CLAY LOAM-gray-hard (A-6)							
Silurian System, Niagaran series Dolomite RUN 1 (-113.0' to -123.0') Light gray with horizontal to wavy bedding. Vuggy & porous with some weathering throughout. Horizontal fractures @ -113.7' & -114.0'. Weathered horizontal fractures with thin clay partings @ -114.3' & -114.5'. Horizontal fractures @ -115.0', -115.6', -115.8', -116.1', -116.9', -118.7', -119.1' & -119.5'. Weathered horizontal fractures with clay partings @ -120.7' & -121.9'.							

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

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
0166953_038_Boring2.dgn	eship	CHECKED - EFS	REVISED -
	PLOT SCALE =	DRAWN - RMG	REVISED -
	PLOT DATE = 2/19/2013	CHECKED - EFS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS 2 OF 3
 STRUCTURE NO. 016-6953 BRIDGE ST. OVER THE NORTH SHORE CHANNEL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00251-00-BR	COOK	118	91
CONTRACT NO. 63817				
ILLINOIS FED. AID PROJECT				

SHEET NO. 538 OF 550 SHEETS

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2/19/2013