

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60563 (630) 355-2838				SOIL BORING LOG				PAGE 1 of 2			
ROUTE <u>FAP 0307</u>				DESCRIPTION <u>IL 64 Bridge Over Des Plaines River, IDOT Job No. D-91-183-10IL-64</u>				DATE <u>6/4/2010</u>			
SECTION <u>541-Y-3</u>				LOCATION <u>Riverside Township SEC. 1, TWP. 39 N, RNG. 12 E, 3rd P.M.</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>016-0501</u>				Surface Water Elev. <u>n/a</u>				D E P T H S Q u M O I S T			
Station <u>120+43.0</u>				Stream Bed Elev. <u>n/a</u>				D E P T H S Q u M O I S T			
BORING NO. <u>B-01</u>				Groundwater Elevation:				D E P T H S Q u M O I S T			
Station: <u>97+84</u>				First Encounter <u>n/a</u>				D E P T H S Q u M O I S T			
Offset: <u>42.7' Left</u>				Upon Completion <u>n/a</u>				D E P T H S Q u M O I S T			
Ground Surface Elev. <u>624.6</u>				After _____ Hrs. <u>n/a</u>				D E P T H S Q u M O I S T			
6.0" ASPHALT, 8.0" CONCRETE				SILTY CLAY LOAM--dark gray- loose (A-4) Apparent Fill				603.6			
SANDY CLAY LOAM--dark brown & gray- medium stiff to stiff (Fill)											
CLAY LOAM--gray- very stiff to hard (A-6)											
CLAY LOAM--dark brown & gray- medium stiff to stiff (Fill)											
SILTY CLAY LOAM--dark gray- very stiff to hard (A-6)											
SANDY CLAY LOAM--dark gray- loose (A-4) Apparent Fill											

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COUNTY <u>Cook</u>				DRILLING METHOD <u>Hollow Stem Auger/Rotary</u>				HAMMER TYPE <u>CME Automatic</u>			
STRUCT. NO. <u>016-0501</u>				Surface Water Elev. <u>n/a</u>				D E P T H S Q u M O I S T			
Station <u>120+43.0</u>				Stream Bed Elev. <u>n/a</u>				D E P T H S Q u M O I S T			
BORING NO. <u>B-01</u>				Groundwater Elevation:				D E P T H S Q u M O I S T			
Station: <u>97+84</u>				First Encounter <u>n/a</u>				D E P T H S Q u M O I S T			
Offset: <u>42.7' Left</u>				Upon Completion <u>n/a</u>				D E P T H S Q u M O I S T			
Ground Surface Elev. <u>624.6</u>				After _____ Hrs. <u>n/a</u>				D E P T H S Q u M O I S T			
End Of Boring @ -60.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10.0' 4.0" Casing Used CME Automatic Hammer											
CLAY LOAM--gray- very stiff to hard (A-6)											
SILTY CLAY LOAM--gray- dense (A-4)											
Drillers Observation: Possible Bedrock											

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SECTION <u>541-Y-3</u>				LOCATION <u>Riverside Township SEC. 1, TWP. 39 N, RNG. 12 E, 3rd P.M.</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>016-0501</u>				Surface Water Elev. <u>n/a</u>				D E P T H S Q u M O I S T			
Station <u>120+43.0</u>				Stream Bed Elev. <u>n/a</u>				D E P T H S Q u M O I S T			
BORING NO. <u>B-02</u>				Groundwater Elevation:				D E P T H S Q u M O I S T			
Station: <u>97+74</u>				First Encounter <u>616.0</u>				D E P T H S Q u M O I S T			
Offset: <u>42.4' Right</u>				Upon Completion <u>n/a</u>				D E P T H S Q u M O I S T			
Ground Surface Elev. <u>624.5</u>				After _____ Hrs. <u>n/a</u>				D E P T H S Q u M O I S T			
5.0" Asphalt, 9.0" Concrete				SANDY LOAM--gray-very loose (A-2)				604.0			
CLAY LOAM--dark brown, gray & black- loose (Fill)											
CLAY--gray-very stiff (A-6)											
Cinders, Sand & Stone--dark gray- loose (Fill)											
SILTY CLAY--dark brown & black- medium stiff (A-6) Wet											
CLAY LOAM--brown- soft to medium stiff (A-6) Wet											
SILT--gray- medium dense to dense (A-4)											
SANDY LOAM--gray-very loose (A-2)											

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 (X)  
NR--No Recovery

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FILE NAME = W:\191-130-IDOT-IL64-CADD-Sheets\Structure\1160J11-ht-45-SoilBoringLog.dgn



USER NAME =	DESIGNED - JMT	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE = 8/15/2013	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS I  
STRUCTURE NO. 016-3035  
SHEET NO. 56 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	541Y-3-B	COOK	143	117
CONTRACT NO. 60J11				
ILLINOIS FED. AID PROJECT				