

# BORING LOGS

<b>Illinois Department of Transportation</b> <small>Division of Highways Illinois Department of Transportation/D-2</small>		<b>SOIL BORING LOG</b>		Page <u>1</u> of <u>1</u>
ROUTE <u>FAP 634</u> DESCRIPTION <u>P-92-037-05 Box Culvert, IL 82 over a creek 1.0 mile south of Cambridge</u>		LOGGED BY <u>W. Garza</u>		Date <u>1/10/05</u>
SECTION <u>138 T</u> LOCATION <u>Cambridge Twp. - 17 SW, SEC. , TWP. 15N, RNG. 3E</u>				
COUNTY <u>Henry</u> DRILLING METHOD <u>Hollow Stem Auger</u> HAMMER TYPE <u>CME-45 Automatic</u>				
STRUCT. NO. _____ Station <u>624+96</u>		Surface Water Elev. <u>78.00</u> ft Stream Bed Elev. <u>77.00</u> ft		D E L C U M P O S I O I T W S S T H S Qu T
BORING NO. <u>B-1</u> Station <u>624+88</u> Offset <u>18.00ft Rt CL</u> Ground Surface Elev. <u>99.50</u> ft		Groundwater Elev.: First Encounter <u>80.0</u> ft Upon Completion <u>78.5</u> ft After _____ Hrs. _____ ft		D E L C U M P O S I O I T W S S T H S Qu T
		(ft) (/6") (tsf) (%)		
MEDIUM brown SILTY CLAY LOAM		SOFT gray SANDY LOAM with ORGANICS (continued)		1 0.3 38.0 2 B
STIFF brown tan CLAY LOAM		LOOSE/MEDIUM tan/gray dirty SAND & GRAVEL, wet		2 3 7
STIFF brown SILTY CLAY LOAM		MEDIUM gray dirty medium SAND, wet		9 8 8
STIFF brown SILTY CLAY LOAM		MEDIUM olive-green well cemented fine SAND		10 11 17
MEDIUM brown SILTY CLAY LOAM		VERY DENSE Same as above		52 100/6.5"
STIFF gray SILTY LOAM		End of Boring		
STIFF brown SILTY CLAY LOAM				
STIFF gray SILTY CLAY TILL with SAND lens				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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ROUTE <u>FAP 634</u> DESCRIPTION <u>P-92-037-05 Box culvert, IL 82 over a creek south of Cambridge north of N850</u>		LOGGED BY <u>W. Garza</u>		Date <u>1/10/05</u>
SECTION <u>138 T</u> LOCATION <u>Cambridge Twp. - 17 SW, SEC. , TWP. 15N, RNG. 3E</u>				
COUNTY <u>Henry</u> DRILLING METHOD <u>Hollow Stem Auger</u> HAMMER TYPE <u>CME-45 Automatic</u>				
STRUCT. NO. _____ Station <u>624+96</u>		Surface Water Elev. <u>78.00</u> ft Stream Bed Elev. <u>77.00</u> ft		D E L C U M P O S I O I T W S S T H S Qu T
BORING NO. <u>B-2</u> Station <u>645+13</u> Offset <u>16.00ft Lt CL</u> Ground Surface Elev. <u>100.70</u> ft		Groundwater Elev.: First Encounter <u>76.2</u> ft Upon Completion <u>81.2</u> ft After _____ Hrs. _____ ft		D E L C U M P O S I O I T W S S T H S Qu T
		(ft) (/6") (tsf) (%)		
SOFT brown SILTY CLAY LOAM		STIFF gray SANDY LOAM with ORGANICS (continued)		2 1.1 25.0 3 B
STIFF gray SILTY CLAY		VERY LOOSE gray wet dirty SAND with 81% ORGANICS		1 3 455.0
MEDIUM gray/tan SILTY CLAY LOAM		SOFT gray dirty medium SAND with SILTY LOAM lens		2 3 0.3 25.0
SOFT brown SILTY CLAY LOAM		MEDIUM gray/olive green well cemented SAND		5 7 10
SOFT medium tan SILTY LOAM		VERY DENSE Same as above		20 100/11"
SOFT tan/brown SILTY CLAY LOAM with SAND lens		End of Boring		
STIFF dark gray SILTY CLAY				
SOFT tan/gray SILTY CLAY with ORGANICS				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = grarisp	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BORING LOGS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\projects\p203705\d03705\logs.dgn		DRAWN -	REVISED -			634	138T	HENRY	42	18
		CHECKED -	REVISED -							
		DATE -	REVISED -							
										CONTRACT NO. 64A77
										ILLINOIS FED. AID PROJECT