



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation-D-2

SOIL BORING LOG

Page 1 of 1

Date 2/4/10

ROUTE FAP 309 DESCRIPTION P92-096-09 Box Culvert on US 30, 1 m. E. of Yager Road LOGGED BY W. Garza

SECTION 15T-1 LOCATION Mt. Pleasant Twp. - 23NW, SEC. , TWP. 21N, RNG. 5E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. <u>098-1067</u>	D	B	U	M	Surface Water Elev. <u>671.75</u> ft	D	B	U	M
Station <u>1281+22.49</u>	E	L	C	O	Stream Bed Elev. <u>671.55</u> ft	E	L	C	O
BORING NO. <u>B-1</u>	P	O	S	I	Groundwater Elev.:	P	O	S	I
Station <u>1281+61.50</u>	T	W	S	T	First Encounter <u>663.05</u> ft	T	W	S	T
Offset <u>60.00ft Lt CL</u>	H	S	Qu	T	Upon Completion <u>Wash</u> ft	H	S	Qu	T
Ground Surface Elev. <u>677.55</u> ft	(ft)	(6")	(tsf)	(%)	After <u> </u> Hrs. <u> </u> ft	(ft)	(6")	(tsf)	(%)

SOFT brown SILTY CLAY LOAM			0.4	25.0	LOOSE gray clean medium coarse SAND (continued)	666.55	2		
			P				5		
675.55									
STIFF brown SILTY CLAY LOAM		0		31.0	MEDIUM graytan SANDY GRAVEL		5		
		2	1.1				9		
674.05		4	P			654.05	6		
MEDIUM dark gray SILTY CLAY LOAM		2			Wash		6		
		2	0.7	24.0	MEDIUM gray SAND		8		
671.55		3	B			651.55	10		
SOFT gray SILTY LOAM		1			Wash		5		
		2	0.3	28.0	VERY DENSE tan weathered LIMESTONE		1005"		
669.05		2	P			649.05			
					End of Boring				
VERY LOOSE gray dirty fine SAND		1							
		1		24.0					
666.55		2							
VERY SOFT gray SILTY LOAM with SAND lens		0							
		1	0.1	25.0					
663.55		2	B						
MEDIUM gray clean medium coarse SAND		6							
		8							
661.55		8							
MEDIUM gray clean medium coarse SAND		1							
		8							
659.05		9							
		1							

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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COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. <u>098-1067</u>	D	B	U	M	Surface Water Elev. <u>681.65</u> ft	D	B	U	M
Station <u>1281+22.49</u>	E	L	C	O	Stream Bed Elev. <u>681.45</u> ft	E	L	C	O
BORING NO. <u>B-2</u>	P	O	S	I	Groundwater Elev.:	P	O	S	I
Station <u>1281+44.50</u>	T	W	S	T	First Encounter <u>676.95</u> ft	T	W	S	T
Offset <u>60.00ft Rt CL</u>	H	S	Qu	T	Upon Completion <u>Wash</u> ft	H	S	Qu	T
Ground Surface Elev. <u>686.45</u> ft	(ft)	(6")	(tsf)	(%)	After <u> </u> Hrs. <u> </u> ft	(ft)	(6")	(tsf)	(%)

SOFT brown SILTY CLAY LOAM			0.4	26.0	MEDIUM gray SANDY GRAVEL (continued)	665.45	6		
			P				5		
684.45									
STIFF brown SILTY CLAY LOAM		1			Wash		4		
		2	1.0	27.0	MEDIUM gray SANDY GRAVEL		5		
682.95		3	P			662.95	9		
STIFF gray SILTY CLAY LOAM		0			VERY DENSE tan weathered LIMESTONE		10011"		
		2	1.1	27.0					
680.45		2	B			660.45			
					End of Boring				
VERY SOFT gray SILTY LOAM with SAND lens		0							
		0	0.2	24.0					
677.45		3	B						
LOOSE gray fine SAND		3							
		3							
675.45		6							
LOOSE gray fine SAND		0							
		3							
672.95		3							
MEDIUM gray SANDY GRAVEL		4							
		5							
670.45		9							
Wash		9							
MEDIUM gray SANDY GRAVEL		12							
667.95		12							
MEDIUM gray SANDY GRAVEL		5							

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 = P:\CIBBEL WEST Projects\2009\124109 1007 Verious Verious\Structure\1007\Work Dr-der-#12 IL 38 Culvert\SN 098-1067\0981067-64F23-009-SoilBoring.dgn



USER NAME =	DESIGNED - DLS	REVISED -
FILE NAME =	CHECKED - AEU	REVISED -
PLOT SCALE =	DRAWN - AWH	REVISED -
PLOT DATE = 05/24/2011	CHECKED - DLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 098-1067

SHEET NO. 9 OF 9 SHEETS

F.A.P. RTE. 309	SECTION 15T-1	COUNTY WHITESIDE	TOTAL SHEETS 74	SHEET NO. 41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64F23	