



SOIL BORING LOG

Date 10/6/09

ROUTE FAP 310 (US 67) DESCRIPTION US 67 over Farmers Fork Creek LOGGED BY KS
 SECTION (38B-2) BR LOCATION SEC. 1, TWP. 6N, RNG. 3W, 4th PM
 Latitude 40.53556 N, Longitude 90.67418 W
 COUNTY McDonough DRILLING METHOD HSA HAMMER TYPE AUTO

DEPT H S	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		DEPT H	BLOW S	UCS Qu	MOIST T
				(ft)	(/ft)				
				699.50	ft	Asphalt Pavement			
				668.10	ft	10 inches thick			
						Base Course			
						3 inches thick			
						Black to Green, Moist			
						CLAY (fill), trace gravel, organics			
						Medium Dense Green to Gray, Fine to Medium, Wet SAND, trace gravel (continued)			
						Medium Dense Green to Gray, Moist SANDY CLAY, trace gravel			
						LL=26.6, PL=12.6, PI=14.2			
						Medium Stiff to Soft Black Organic, Moist CLAY LOAM, trace gravel			
						Shelby Tube pushed from 10' to 12' 100% recovery			
						Soft Green, Moist SILTY CLAY LOAM, trace gravel			
						Soft to Medium Stiff Green to Gray, Moist SILTY CLAY LOAM, trace gravel			
						3" Sand Seam at 14' LL=29.2, PL=12.7, PI=16.6			
						6" Sand Seam at 16.5'			
						Medium Dense Green to Gray, Fine to Medium, Wet SAND, trace gravel			

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, form 137 (Rev. 8-98)



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DEPT H S	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		DEPT H	BLOW S	UCS Qu	MOIST T
				(ft)	(/ft)				
				699.50	ft	Loose to Medium Dense Brown to Gray, Coarse, Wet SAND, trace gravel (continued)			
				668.10	ft	Stiff Gray, Moist SILTY LOAM (continued)			
						Very Stiff Gray, Moist SILTY LOAM, trace gravel			
						Medium Dense Gray, Fine, Moist SAND			
						Medium Dense Gray, Moist SANDY LOAM, trace gravel			
						Dense Brown to Gray, Coarse, Moist to Wet SAND, trace gravel			
						Medium Stiff Gray, Moist SILTY LOAM, trace gravel			
						Stiff Gray, Moist SILTY LOAM			

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DEPT H S	BLOW S	UCS Qu	MOIST T	Surface Water Elev.		DEPT H	BLOW S	UCS Qu	MOIST T
				(ft)	(/ft)				
				699.50	ft	Medium Stiff Gray, Moist SILTY LOAM, trace gravel (continued)			
				668.10	ft	Medium Dense Gray, Moist SANDY LOAM			
						Very Stiff Gray, Moist SILTY CLAY LOAM, trace gravel			
						End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BORING B-2

FILE NAME =	USER NAME = seb	DESIGNED - KTH	REVISED -
Pr:\07files\070286\Phase2\Bridg Plans\35.BORINGLOGS_0081.dgn		CHECKED - ADL	REVISED -
	PLOT SCALE = 1/8"=1'-0"	DRAWN - BGJ	REVISED -
	PLOT DATE = 12/8/2011	CHECKED - RJP	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
 S.N. 055-0081 (SB)**

SHEET NO. 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	138B-2BR	MCDONOUGH	130	92
CONTRACT NO. 68691				

ILLINOIS FED. AID PROJECT
Kilnaker & Associates P.C.