



SOIL BORING LOG

Date 6/1/12

ROUTE FAP 407 (IL RTE 336) DESCRIPTION Culvert at CR 1500N, Sta. 5049+48 LOGGED BY TLM
 SECTION (55-3) A LOCATION SEC. 13, TWP. 6N, RNG. 3W, 4th PM
 COUNTY McDonough DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	DEPTH	BULGE	UCS	M-O-I-S-T	Surface Water Elev.	DEPTH	BULGE	UCS	M-O-I-S-T
Station 5049+48	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-4					Groundwater Elev.:				
Station 5049+25					First Encounter NA ft				
Offset 27.0 ft RT					Upon Completion NA ft				
Ground Surface Elev. 698.24					After Hrs. NA				
Approx. 12" Topsoil	697.24				BOTTOM OF BORING				
SILTY CLAY LOAM , dark brown to brown, soft to medium stiff	2	1.2	31		End of Boring				
	2	B							
	1	1.9	29						
brown and gray	3	B							
	-5	2							
	2	1.7	24						
	3	B							
	3								
gray	2	1.3	26						
	4	B							
	-10	4							
	2	1.2	24						
	3	B							
	3								
	2		28						
	3								
	5								
683.24	-15								
SILTY CLAY LOAM , gray to dark gray, very stiff	3	3.3	13						
	10	B							
	16								
680.24									
SILTY LOAM , brownish gray, very dense	11		8						
	23								
	32								
678.24	-20								

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. 8-99)



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Station 5049+48	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. B-5					Groundwater Elev.:				
Station 5049+70.5					First Encounter 680.5 ft				
Offset 12.0 ft LT					Upon Completion 681.5 ft				
Ground Surface Elev. 698.50					After 0.25 Hrs. 681.5 ft				
Approx. 2" Asphalt Seal-Coat	698.30				BOTTOM OF BORING				
Approx. 8" Crushed Limestone	697.70				End of Boring				
FILL: SILTY CLAY LOAM , trace gravel and organics, dark brown and brown	2	0.7	22						
	2	B							
	1								
695.00									
SILTY CLAY LOAM , dark brown to brownish gray, soft to stiff	0	0.9	33						
	2	B							
	-5	2							
	1	0.5	30						
dark gray to gray	2	B							
	2								
	1	1.3	28						
	2	B							
	-10	2							
	2	1.3	27						
	3	B							
	3								
	2	2.0	26						
	3	B							
	4								
682.50	-15								
SILTY CLAY , gray, soft	0	0.2	26						
	1	B							
	2								
680.50									
SILTY LOAM , brownish gray, loose	3		21						
	3								
	3								
678.50	-20								

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)
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USER NAME =	DESIGNED - ZTB	REVISED -
FILE NAME =	CHECKED - TBP	REVISED -
PLOT SCALE =	DRAWN - AJF	REVISED -
PLOT DATE =	CHECKED - TBP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE 055-2509 - STA. 5049 + 48.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	291
			CONTRACT NO. 68A42	