

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

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Date 8/19/09

ROUTE Vernon Avenue DESCRIPTION Bridge Over Sugar Creek  
SECT. 06-00230-00-BR STRUCT. NO. \_\_\_\_\_ DRILLED BY B. Williamson  
COUNTY McLean LOCATION \_\_\_\_\_ S. 35, TWP. 24N, RNG. 2E

Boring No.	Station	Offset	Surface Elev.	DEPTH	TEST	SOIL DESCRIPTION	DEPTH	TEST	SOIL DESCRIPTION	Surface Water Elev.	Groundwater Elev. when drilling	Groundwater Elev. at Completion
B-3 Piers	40+09	45.00R RT	775.10			Concrete Channel						
				2	P	FILL - Stiff dark brown SILTY LOAM, moist	3	P	Stiff gray SILTY CLAY LOAM, moist		771.1	771.1
				5			4					
				5			5					
				18			15					
				1.25			1.5					
				3	P	Medium dense brown fine to coarse SAND, moist to wet	2	P				
				5			4					
				5			4					
				8			6					
				14			14					
				1.75			1.75					
				3		Medium dense gray fine SAND, saturated						
				9								
				4								
				11		Dense gray fine to coarse SAND and small GRAVEL, some fractured rock, saturated	2	B				
				25			5					
				15			9					
				13			13					
				1.23			1.23					
				12		Very dense to dense gray fine to coarse SAND and small GRAVEL, saturated						
				20								
				50								
				19								
				3								
				3								
				4								
				14								
				1.44								
				17	P	Hard to very stiff gray SILTY CLAY LOAM, moist	2	B				
				30			4					
				12			4					
				4.0			6					
				11								
				3.20								
				4	P	Stiff gray SILTY CLAY LOAM, moist	4	B				
				4			5					
				1.75			7					
				13								
				1.45								

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths, Offset, and Elevations are in Feet

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STRUCTURE NO. \_\_\_\_\_  
ROUTE Vernon Avenue  
SECTION 06-00230-00-BR  
COUNTY McLean

Boring No.	Station	Offset	Surface Elev.	DEPTH	TEST	SOIL DESCRIPTION	DEPTH	TEST	SOIL DESCRIPTION
B-3 Piers	40+09	45.00R RT	725.10			Stiff gray SILTY CLAY LOAM, moist			
				3	P		3	P	
				4			4		
				1.5			1.5		
				3	P		3	P	
				4			4		
				1.5			1.5		
				7			7		
				13			13		
				1.97			1.97		
				8			8		
				19			19		
				3			3		
				3			3		
				4			4		
				13			13		
				1.97			1.97		
				5			5		
				8			8		
				13			13		
				1.97			1.97		
				5			5		
				8			8		
				13			13		
				1.97			1.97		

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths, Offset, and Elevations are in Feet

BORING No. 1  
Sta. 40+57/14' RT

DEPTH	TEST	SOIL DESCRIPTION	DEPTH	TEST	SOIL DESCRIPTION
783		FILL			
779			2/5/5	1.2	26
778		SOFT BLACK SILTY CLAY TOPSOIL	5		37
774		FIRM SEAMS OF BLACK & BLUE GRAY CLAY NON-CALCAREOUS			31
773		VERY LOOSE SILTY GRAVEL ALLUVIUM	2/4/1	1.80	39
769		SOFT DARK GRAY CLAY W/ WOOD FRAGMENTS & SAND SEAMS. SLIGHTLY CALCAREOUS	2/3/3		33
765		COBBLES	15		
761		DENSE GRAY GRAVEL & SAND W/ SILT. WELL GRADED. NORMAL OUTWASH.	19/7/14		
756		VERY STIFF DARK GRAY SILTY CLAY W/ SAND & GRAVEL. GLACIAL TILL. NORMAL AGE.	4/7/10	2.5	12
754		HARD PINKISH-GRAY SILTY W/ SAND & GRAVEL. BLOOMINGTON GLACIAL TILL.	30		12
750		STIFF PINKISH-GRAY SILTY CLAY W/ SAND & GRAVEL. BLOOMINGTON TILL.	4/4/7	1.2	14
		GROUND WATER:			
		4' @ 1130 AM 4-20			
		4' @ 3100 PM 4-20			

BORING No. 2  
Sta. 39+63/9' RT

DEPTH	TEST	SOIL DESCRIPTION	DEPTH	TEST	SOIL DESCRIPTION
781		TOPSOIL			
777.5		STIFF BLACK & GRAY CLAY W/ SAND	1.0		34
775		GRASS SWAMP DEPOSIT	1.5		24
772.5		SOFT SANDY CLAY & PEBBLES. NON-CALCAREOUS. ALLUVIUM.	2.5		20
			10	4/6/7	
			15	5/10/9	
			15	5/4/11	
762		MEDIUM DENSE SAND W/ SILT AND GRAVEL. CALCAREOUS. ALLUVIUM.	30		
758		DENSE GRAY SAND W/ SILT. WELL GRADED. CONTAINS COBBLES.	30		
754		VERY STIFF DARK GRAY SILTY CLAY W/ SAND AND GRAVEL. NORMAL TILL.	25	4/6/11	13
750		HARD PINKISH-GRAY SILTY CLAY W/ SAND AND GRAVEL. BLOOMINGTON TILL.	30	12/4/10	12
742.5		VERY STIFF PINKISH-GRAY SILTY CLAY W/ SAND & GRAVEL. BLOOMINGTON TILL.	25	4/6/12	12
		GROUND WATER:			
		25' @ 3100 PM 4-20			

DESIGNED SMM  
CHECKED MAES  
DRAWN SMM  
CHECKED MAES

(Sheet 2 of 2)  
SOIL BORING LOGS  
STRUCTURE NO. 057-7800

SHEET NO. 26	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	6354	06-002300-00-BR	MCLEAN	64	55
26 SHEETS	SN 057-7800		CONTRACT NO. 91430		
FED. ROAD DIST. NO. 5   ILLINOIS   FED. AID PROJECT					