

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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ROUTE IL 70 DESCRIPTION P92-062-07 Bridge over Otter Creek, .8 m. N. of IL 75 LOGGED BY W. Garza

SECTION (W-1-15D)BR LOCATION Durand Twp. - 15NE, SEC. , TWP. 28N, RNG. 10E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	STATION	DEPTH (ft)	DESCRIPTION	U (ft)	M (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Wash	After
101-0086	62+66		11" Asphalt								
		18.0	STIFF dark brown SILTY CLAY LOAM	1.0	18.0		744.70	STIFF gray CLAY LOAM TILL with dirty SAND lens			
		763.70	STIFF dark brown SILTY CLAY	3				MEDIUM gray dirty SAND			
		762.20		4	1.5	36.0					
				5	P		741.70				
			MEDIUM dark brown SILTY CLAY	1				MEDIUM gray dirty SAND & GRAVEL, very moist			
		759.70		3	0.8	40.0					
				4	P		739.20				
			SOFT black SILTY CLAY LOAM with ORGANICS	1				MEDIUM gray SILTY LOAM TILL			
		756.70		1	0.3	35.0					
				3	B		737.20				
			MEDIUM gray fine SAND	1				VERY STIFF gray SILTY LOAM			
		754.20		5							
				6			734.70				
			MEDIUM gray SILTY LOAM	1				VERY STIFF gray SILTY LOAM TILL			
		752.20		3	0.8	25.0					
				5	B		732.20				
			MEDIUM gray SANDY LOAM	3				VERY STIFF gray LOAM TILL			
		749.70		7	0.9	11.0					
				9	S		729.70				
			MEDIUM gray clean medium coarse SAND with CLAY LOAM TILL lens	4				MEDIUM gray LOAM TILL			
		747.20		6	2.3	21.0					
				4	P		727.20				

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, from 137 (Rev. 8-99)



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101-0086	62+66		MEDIUM gray LOAM TILL	1				MEDIUM gray dirty SAND			
		724.70		4	0.5	14.0					
				5	B		704.20				
			SOFT gray LOAM TILL	0				VERY STIFF gray LOAM TILL			
		722.20		3	0.3	12.0					
				4	B		702.20				
			STIFF gray LOAM TILL	0				VERY DENSE gray SILTY CLAY TILL			
		719.20		7	1.1	10.0					
				9	B		699.70				
			MEDIUM gray dirty SAND & GRAVEL	5				VERY DENSE gray SILTY CLAY TILL			
		716.70		6							
				12			697.20				
			STIFF gray LOAM TILL	3				VERY STIFF gray SILTY CLAY			
		714.70		6	1.1	10.0					
				8	P		694.70				
			HARD gray SILTY CLAY TILL	8				VERY STIFF gray SILTY CLAY			
		712.20		10	4.7	11.0					
				14	B		692.20				
			STIFF gray LOAM TILL	4				HARD gray SILTY CLAY			
		709.70		6	1.5	10.0					
				10	P		689.70				
			STIFF gray LOAM TILL	2				VERY STIFF gray SILTY CLAY			
		706.70		5	1.5	10.0					
				6	B		687.20				

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101-0086	62+66		VERY STIFF gray SILTY CLAY	6				MEDIUM gray dirty SAND			
		684.70		7	3.5	22.0					
				11	B						
			Wash	7							
		682.20	HARD gray CLAY LOAM	15	5.0	22.0					
				20	B						
			End of Boring								

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BBS, from 137 (Rev. 8-99)

DESIGNED MMH  
CHECKED RAD  
DRAWN R.VEJAR  
CHECKED RAD



PROJECT # 2945

SOIL BORINGS - SHEET 1  
STRUCTURE NO. 101-0191

SHEET NO. 20	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21 SHEETS	55	(W-1-15d)BR-1	WINNEBAGO	59	40
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 64D22					