



PLAN

STA. 679+34 LT.



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 9/18/09

ROUTE IL 30 DESCRIPTION 5'x2' Box Culvert on IL 30, 0.77 miles East of IL Route 23 LOGGED BY LM
SECTION (116,128)T LOCATION East 12, SEC. 14, TWP. 38N, RNG. 4E
COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	None	D	B	U	M	Surface Water Elev.	765.34	ft	D	B	U	M
Station	679+34	E	L	C	O	Stream Bed Elev.	764.09	ft	E	L	C	O
BORING NO. 1 (NE Quad, on Shldr.)		P	O	S	I	Groundwater Elev.:			P	O	S	I
Station	679+47	T	W	S	Q	First Encounter	757.1	ft	H	S	Q	T
Offset	18.00ft Lt.	H	S	Qu	T	Upon Completion	757.1	ft				
Ground Surface Elev.	769.13	(ft)	(6")	(tsf)	(%)	After		ft	(ft)	(6")	(tsf)	(%)
Augered Gray Shoulder Stone, Brown Sand & Gravel Fill & Black Silty Clay Loam Fill	766.63					Medium Gray/Brown Fine Sand to Medium Gravel (Washed Sample 20'-21.5') (continued)			5			
									8			19.5
									10			
Hard to Very Stiff Black, Brown, Gray Silty Clay & Silty Clay Loam Fill	764.63	4				Very Stiff to Hard Grayish Brown Silty Clay Loam Till			9			
		3	4.0	17.0					5	3.2	14.2	
		5	P						5	B		
Stiff Brown & Gray Silty Clay Loess	764.63											
		-5							-25			
		2							5			
		2	1.0	26.9					8	5.4	17.5	
		3	P						13	S		
Soft Brown Loam/Clay Loam with Sand, Gravel & Free Water, Large Gravel pieces	762.13											
		2							11			
		1	0.5	14.2					16	6.7	21.4	
		2	P						17	S		
		-10							-30			
		5							9			
		4	1.0	11.7					10	6.4	9.0	
		5	P						10	S		
Hard Gray Silty Clay Loam Till	757.13					End of Boring						
		5										
		7	4.3	12.0								
		8	S									
		-15							-35			
Medium Gray Silt & Fine to Medium Sand	754.13											
		5										
		7		19.7								
		10										
Medium Gray/Brown Fine Sand to Medium Gravel (Washed Sample 20'-21.5')	752.13											
		5										
		5		18.8								
		5										
		-20							-40			

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 =	USER NAME = woodshankr1	DESIGNED - RON WOOD SHANK	REVISIONS -
ct:\pwork\pwork\woodshankr1\0135041\0368939\details.dgn		DRAWN - RON WOOD SHANK	REVISIONS -
PLOT SCALE = 100.0000 ' / IN.		CHECKED -	REVISIONS -
PLOT DATE = Nov 24, 2009 - 01:59:41 PM		DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT RECONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DE KALB	21	19
ILLINOIS			CONTRACT NO. 66939	

SCALE: SHEET NO. 1 OF 3 SHEETS STA. 679+23 LT.