



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 2

Date 4/23/12

ROUTE I-80 DESCRIPTION East Bound I-80 Land Bridge between SN 006-0009 & SN 006-0011 LOGGED BY Larry Myers

SECTION (06-2)B1-2 LOCATION NW 1/4 of SW 1/4, SEC. 9, TWP. 16N, RNG. 7E

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ ft		D E P T H	B L O W S	U C S Qu	M O I S T
					Stream Bed Elev. _____ ft	Groundwater Elev.:				
BORING NO. 1										
Station 424+34 (I-80 CL)										
Offset 11.00ft Rt. of EB CL										
Ground Surface Elev. 643.30	ft	(ft)	(/6")	(tsf)	(%)					
Cored HMA & Concrete & Air Void under Existing Roadway								1	0.5	62.9
								2	P	
	640.80							1		
Augered Brown Sand & Gravel CA6 Fill								1	1.0	89.6
								2	P	
	638.80									
Medium Brown Sand/Gravel (CA6) Fill with 6" Silt Layer @ 5'		4						WH		
		5		12.6				WH	1.0	70.7
		8						1	P	
	616.80									
Soft Black Silty Loam/Silty Clay with High Fine Organics - Denser Peat		7						WH		
		7		9.7				WH	0.5	66.8
		12						1	P	
		5						WH		
		7		7.3				WH	0.5	58.3
		8						WH	P	
	631.30									
Very Stiff Brown Silty Clay Loam Till Fill with Heavy Gravel Pieces & Sand/Gravel Layers		4						WH		
		3		3.0	10.2			WH	0.5	56.3
		7		P				1	P	
	628.80									
Stiff to Very Stiff Black & Gray Silty Loam/Loam with some Unconsolidated - Alluvial Backwater Deposits		3						WH		
		5		2.5	11.0			WH	0.5	49.4
		6		P				WH	P	
		3						WH		
		3		1.5	21.9			WH	0.3	40.5
		3		P				WH	P	
	623.80									
		1						WH		

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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					Stream Bed Elev. _____ ft	Groundwater Elev.:				
BORING NO. 1										
Station 424+34 (I-80 CL)										
Offset 11.00ft Rt. of EB CL										
Ground Surface Elev. 643.30	ft	(ft)	(/6")	(tsf)	(%)					
Soft Black Silty Loam/Silty Clay with High Fine Organics - Denser Peat (continued)										
								9	0.3	36.9
								14	P	15.7
	601.30									
Medium to Dense Gray Fine Sand to Coarse Gravel		11								
		13		11.8						
		15								
		15								
		16		14.0						
		17								
Washed Sample 47.0' - 48.5'		18								
		11		15.6						
		14								
Washed Sample 49.5' - 51.0'		11								
		8		10.0						
		4								
		6								
		8		13.6						
		11								
		11								
		14		14.6						
		16								
Washed Sample 57.0' - 58.5'		7								
		7		14.4						
		7								
		6								

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FILE NAME = D366998-sht-detail land bridge brgl.dgn	USER NAME = brianheil	DESIGNED -	REVISED -
	PLOT TIME = 7:18:42 PM	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/30/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAND BRIDGE BORINGS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2) BR-3,4	BUREAU	133	102
CONTRACT NO. 66998				
ILLINOIS FED. AID PROJECT				