

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation  
Division of Highways  
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 6/28/05

ROUTE FAI-80 FAS 1259 Brisbin Road DESCRIPTION Brisbin Rd over I-80 LOGGED BY LM-IDOT

SECTION (32.47-4)HBK-4 LOCATION SE 1/4, SEC. 13, TWP. 34 N, RNG. 7 E, 3<sup>rd</sup> PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	DEPT	BLWS	UCS	M O I S T	Surface Water Elev.	ft	DEPT	BLWS	UCS	M O I S T
032-0058	30+83.23										
BORING NO.	#2: NW Quad					Groundwater Elev.:					
Station	32+16.23					First Encounter					
Offset	5.00ft Lt					Upon Completion					
Ground Surface Elev.	568.02	ft	(ft)	(tsf)	(%)	After	Hrs.	ft	(ft)	(tsf)	(%)
Augered, bituminous, brown, Sand & Gravel- fill								4			
								12	>4.5	8.8	
						545.52		11	P		
Hard, black brown gray, Silty Clay-Loess											
						565.52					
Hard, brown, Silty Clay Loam Till- fill								4			
								6	4.5	13.9	
								6	P		
						544.02					
Very stiff, brown, Clay Loam Till with layers of brown, medium to coarse, Sand with Gravel								25			
						563.52		4			
								6	2.0	11.8	
								8	P		
						541.02					
Hard, gray and brown, Silty Clay Loam Till- fill								8			
								10	>4.5	10.0	
								12	P		
						538.52					
Hard, gray, brittle, Silty Clay Loam Till with layers of fine to medium, Gravel @ 36"								11			
								30	>4.5	6.5	
								45	P		
						536.14					
Auger Refusal, Bedrock Surface at 37"											
								14			
								30	>4.5	7.6	
								35	P		
						531.52					
Ordoician System Galena-Platteville Member								14			
								30	>4.5	7.6	
								35	P		
								18			
								25	>4.5	8.2	
								25	P		
						521.52					
End of Boring											

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. 8-88)



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Date 6/29/05

ROUTE FAI-80 FAS 1259 Brisbin Road DESCRIPTION Brisbin Rd over I-80 LOGGED BY LM-IDOT

SECTION (32.47-4)HBK-4 LOCATION SW 1/4, SEC. 18, TWP. 34N, RNG. 8E, 3<sup>rd</sup> PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	DEPT	BLWS	UCS	M O I S T	Surface Water Elev.	ft	DEPT	BLWS	UCS	M O I S T
032-0058	30+83.23										
BORING NO.	#3: Center Pier					Groundwater Elev.:					
Station	30+92.23					First Encounter					
Offset	59.00ft Rt					Upon Completion					
Ground Surface Elev.	547.64	ft	(ft)	(tsf)	(%)	After	Hrs.	ft	(ft)	(tsf)	(%)
Cored, concrete, BAM and augered, white, oversize, stone and white CA-6 and fill, Sand and Gravel								19	>4.5	5.5	
								20	P		
						545.52					
Hard, gray, brittle, Silty Clay Loam to Silty Loam Till with pockets Silty and Silty Clay (continued)								6			
								16	>4.5	9.2	
								18	P		
						523.64					
Hard, gray, blocky, Clay Shale											
						543.14					
Stiff, brown, Silty Clay Loam Till- fill								1			
								2	1.0	16.0	
								3	B		
						540.64					
Hard, brown, Silty Loam to Silty Clay Loam Till								6			
								12	4.5	13.3	
								18	P		
						529.64					
Assumed, white, Limestone											
						529.14					
Ordoician System Galena-Platteville Member											
								7			
								17	>4.5	13.6	
								30	P		
						536.14					
Hard, gray, brittle, Silty Clay Loam to Silty Loam Till with pockets Silty and Silty Clay								17			
								20	7.1	9.6	
								20	S		
								19			
								60	>4.5	7.5	
								42	P		
								19			
								42	>4.5	7.2	
								53	P		
								13			

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. 8-89)

DESIGNED - CMM
CHECKED - MWM
DRAWN - GJS
CHECKED - MWM

LOCHNER

H.W. LOCHNER, INC.  
CONSULTING ENGINEERS & PLANNERS  
20 NORTH WACKER DRIVE SUITE 1200  
CHICAGO, IL 60606

SHEET NO. 31 OF 31 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	(32, 47-4) HBK-4 & (G)N	GRUNDY	351	313
CONTRACT NO. 66408					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
* FAI 80 & FAS 297 / FAU 392					

SOIL BORING LOGS  
SOIL BORINGS B-2 & B-3  
STRUCTURE NO. 032-0115

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