

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

Date 2/17/00

ROUTE FAI 80 DESCRIPTION FAI 80 OVER COLLINS RUN LOGGED BY K.W.

SECTION (32.47-4)R, BR, BR-1, 2, 3 LOCATION NW 1/4 SW 1/4, SEC. 18, TWP. 34N, RNG. 8E, 3rd PM

COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 032-0014 Ex
032-0104 Prop
Station 186+778.105

BORING NO. 5 EAST ABUT. WBL
Station 186+800.91
Offset 52.50ft LT CL
Ground Surface Elev. 546.83 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion 528.8 ft
After _____ Hrs. _____ ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	MODE (%)	DESCRIPTION
				BITUMINOUS SHOULDER, GRAVEL BASE Over Gray SILTY CLAY LOAM TILL
544.33	3			Very Stiff Gray SILTY CLAY LOAM TILL (FILL)
542.33	4	1.5	14	
	3	P		
542.33				Mix of STIFF Brown-Gray-Black CLAY with GRAVEL Pebbles
-5	2			
	2	1.5	24	
	4	B		
539.83				Mix of Stiff Black SILTY CLAY, Brown SILTY CLAY LOAM TILL & Gray CLAY (FILL)
	4			
	7	1.5	20	
	6	P		
537.83				Very Stiff Dark Gray & Black SILTY CLAY
-10	4			
	6	2.3	26	
	10	S		
534.83				Stiff Black CLAY LOAM
	4			
	6	1.0	26	
	5	P		
-15				
531.33	2			Very Soft Gray CLAY LOAM with Pebbles and Thin (2mm) SAND Layers
	2	0.2	25	
	2	P		
528.83	1			Hard Gray SILTY LOAM TILL
	23	5.4	8	
	22	P		
527.83				Dense thin-bedded LIMESTONE
	200'		15	
	2'			
526.83	-20			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. 8-99)



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COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 032-0014 Ex
032-0104 Prop
Station 186+778.105

BORING NO. 6 WEST ABUT. WBL
Station 186+762.41
Offset 50.00ft LT CL
Ground Surface Elev. 547.00 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 526.7 ft
Upon Completion 532.5 ft
After _____ Hrs. _____ ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	MODE (%)	DESCRIPTION
				BITUMINOUS SHOULDER, GRAVEL BASE over Brown SILTY CLAY LOAM TILL (AUGER SAMPLE)
				Dense Coarse-grained Pyritic LIMESTONE (REFUSAL)
526.70			170'	
526.50			4.5"	
				End of Boring
542.00	-5			Stiff Brown CLAY LOAM & SILTY CLAY LOAM TILL (FILL)
	2			
	2	1.2	15	
	3	P		
540.00				Mix of Stiff Black SILTY CLAY, Brown CLAY LOAM TILL & Gray CLAY (FILL)
	1			
	2	1.9	25	
	4	P		
-10				
536.50	2			Medium Black CLAY LOAM with STEMS & ROOTS
	3	0.7	29	
	4	P		
535.00				Very Stiff Black CLAY LOAM
	3			
	5	2.0	25	
	6	P		
-15				
531.50	3	1.7P	26	Mix of Soft Black CLAY LOAM, Gray CLAY & GRAVEL Pebbles and Pieces of LIMESTONE
	2			
	7	0.4	27	
		B		
530.00				Dense Gray Fine SAND & Rounded to Subangular Coarse GRAVEL
	1			
	7		17	
	20			
-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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DESIGNED -
CHECKED -
DRAWN -
CHECKED -

SOIL BORING LOGS I
STRUCTURE NO. 032-0118

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

SHEET NO. 18 OF 19 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	(32,47-4) HBK-4 & G(N)	GRUNDY	351	350
CONTRACT NO. 66408					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

* FAI 80 & FAS 297 / FAU 392