STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 1

Date 4/8/09

ROUTE I-80 DESCRIPTION Ramp C of Proposed SN 032-0118 North of SN 032-0104 LOGGED BY TLM

SECTION (32,47-4)HBR LOCATION 60' N of NE corner of E Abut. of WBL, NW 1/4, SW 1/4, SEC. 18, TWP. 34N, RN

COUNTY Grundy DRILLING METHOD Hand Auger HAMMER TYPE None

STRUCT. NO. 032-0118
Station

BORING NO. Hand Auger #3 (East Abut.)
Station 308+02
Offset 0.00ft
Ground Surface Elev. 535.30 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 533.3 ft
Upon Completion 533.3 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Organic Silty Loam (Alluvium)	534.30				
Dark Grey Silty Clay Loam (VS = 0.3 tsf @ 2.0')	533.30				32.3
Dark Grey Organic Sandy Clay Loam with Sand Stone pieces @ 3' (VS = 0.4 tsf @ 3.5')					30.2 25.6
		-5			
Yellow/Brown Clay Loam Till with Sand & Gravel mixed with Sand Stone Pieces (VS = 0.3 tsf 6.0')	529.30 528.60				
Auger Refusal at 6.7' End of Boring					16.1
		-10			
		-15			
		-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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Page 1 of 1

Date 4/8/09

ROUTE I-80 DESCRIPTION Ramp C of Proposed SN 032-0118 North of SN 032-0104 LOGGED BY TLM

SECTION (32,47-4)HBR LOCATION 52' N of NW corner of W Abut. of WBL, NW 1/4, SW 1/4, SEC. 18, TWP. 34N, R

COUNTY Grundy DRILLING METHOD Hand Auger HAMMER TYPE None

STRUCT. NO. 032-0118
Station

BORING NO. Hand Auger #4 (West Abut.)
Station 309+05
Offset 0.00ft
Ground Surface Elev. 537.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 536.2 ft
Upon Completion 536.2 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Organic Silty Loam	536.70				
Dark Grey Sandy Loam to Loamy Sand (VS = 0.4 tsf @ 2.0')	535.20				31.5
Dark Grey/Brown Loamy Sand Organic	533.70				
Red/Brown/Grey Silty Clay Loam Till (VS = 0.5 tsf @ 4.0')	533.20 532.70				37.8 18.6
Brown Sand & Gravel with Cobbles, Rounded Gravel with Angular Sand		-5			
Auger Refusal @ 4.5' End of Boring					
		-10			
		-15			
		-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 II
STRUCTURE NO. 032-0118

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

SHEET NO. 19 OF 19 SHEETS

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

* FAI 80 & FAS 297 / FAU 392