STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 1

Date 5/23/09

ROUTE I-80 DESCRIPTION Ramp B, W. Abutment, SN 032-0117 LOGGED BY TLM

SECTION (32,47-4)HBR LOCATION NW 1/4, SW 1/4, SEC. 18, TWP. 34N, RNG. 8E, 3rd PM

COUNTY Grundy DRILLING METHOD Hand Auger HAMMER TYPE None

STRUCT. NO. 032-0117
Station

BORING NO. Hand Auger #1 (West Abut.)
Station 215+12
Offset 0.00ft
Ground Surface Elev. 536.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Silty Clay with Organics (VS = 0.21 tsf @ 1.0')	535.50				31.1
Grey Silty Clay with Organics (VS = 0.98 tsf @ 1.6') (VS = 1.05 tsf @ 3.0')	533.80				23.1
Grey/Black/Brown Silty Clay (Mottled)	532.50 ▼				21.7
Grey/Brown/Yellow Silty Clay Till (Mottled)	531.55	-5			22.6
Brown/Yellow Sandy Silt with Gravel	529.60				17.8
End of Boring		-10			3.7
		-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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Date 5/23/09

ROUTE I-80 DESCRIPTION Ramp B, E. Abutment, SN 032-0117 LOGGED BY TLM

SECTION (32,47-4)HBR LOCATION NW 1/4, SW 1/4, SEC. 18, TWP. 34N, RNG. 8E, 3rd PM

COUNTY Grundy DRILLING METHOD Hand Auger HAMMER TYPE None

STRUCT. NO. 032-0117
Station

BORING NO. Hand Auger #2 (East Abut.)
Station 216+24
Offset 0.00ft
Ground Surface Elev. 536.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 532.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black Sandy Loam with Organics (VS = 0.54 tsf @ 6")	535.50				20.3
Dark Grey Clay Loam with Organics (VS = 0.75 tsf @ 1.0')					23.4
	532.00 ▼				29.0
Grey Clay Loam (VS = 0.29 tsf @ 4.0')		-5			
Grey Clay Loam with Gravel	530.50				31.9
Dense Sand & Gravel Auger Refusal @ 6.9' End of Boring	529.10				
		-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)

SOIL BORING LOGS II
STRUCTURE NO. 032-0117

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

SHEET NO. 19 OF 19 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	(32,47-4) HBK-4 & G(N)	GRUNDY	351	332
			CONTRACT NO. 66408		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* FAI 80 & FAS 297 / FAU 392

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