

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
GSC CONSULTANTS INC.

SOIL BORING LOG

Page 1 of 1

Date 8/21/09

ROUTE FAP 317 (US24/IL 9) DESCRIPTION US 24/ IL9 Over LaMarsh Creek (Hollis Road District) LOGGED BY RJC

SECTION 45BR-2 LOCATION 40° 34' 51.8" N 89° 41' 42.3" W, SEC. 22, TWP. 7N, RING. 7E, 4th PM

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 072-0228
Station 337+89.89
BORING NO. B-4 West Abutment
Station 339+28
Offset 39.90ft RT
Ground Surface Elev. 467.60 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft
Groundwater Elev.:
First Encounter 441.6 ft
Upon Completion None ft
After - Hrs. - ft

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
466.60	6			Pavement surface, asphalt 12-inches thick	466.60			
465.60	5	2.1	10	Brown and gray CLAY LOAM (fill), trace gravel	465.60	4		17
464.10	5	B		Gray, Medium SAND	464.10	6	2.0	18
461.10	1			Brown SAND (fill), trace gravel	461.10	8	B	
459.10	2		15	Loose Brown, Coarse SAND	459.10	1		7
456.60	4			Loose Brown and Gray, Wet GRAVEL, and sand	456.60	3		17
454.10	5		10	Gray LOAM (fill), trace gravel	454.10	5		
449.10	8			Brown CLAY LOAM (fill), trace gravel	449.10	1		26
441.60	4	1.4	15	Gray, Wet SILTY LOAM	441.60	WH		
438.10	5	B		Gray CLAY LOAM (fill), and gravel	438.10	1		
434.10	12	B	16	Soft to Very Hard Gray, Dry SHALE	434.10	6		25
429.80	6	2.9	12	Gray CLAY LOAM (fill), trace gravel	429.80	6		
429.80	6	B		Brown SAND seam	429.80	17		
429.80	3	1.3	18	Auger refusal encountered at 37.8-feet Suspected Bedrock End of Boring	429.80	100/3'		
429.80	7			Stiff Brown SILTY LOAM, trace gravel	429.80			
429.80	8		13		429.80			

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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 10/19/2010

DESIGNED J.A.Z.
CHECKED E.E.J.
DRAWN S.R.K.
CHECKED J.A.Z.

BORING LOGS IV
U.S. ROUTE 24 & IL ROUTE 9 OVER LA MARSH CREEK
STATION 337+89.89 STRUCTURE NO. 072-0228

SHEET NO. 317 OF 39 SHEETS	F.A.P. RTE. 317	SECTION 45BR-2	COUNTY PEORIA	TOTAL SHEETS 122	SHEET NO. 83
			CONTRACT NO. 68719		
10-15-10		ILLINOIS FED. AID PROJECT			

