STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
GSG CONSULTANTS INC.

SOIL BORING LOG

Date 8/20/09

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' 52.4" N 89° 41' 38.6" W, SEC. 22, TWP. 7N, RNG. 7E, 4th PM,
Latitude , Longitude

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 072-0228
Station 337+89.89

BORING NO. B-5 East Abutment
Station 336+42
Offset 38.90ft LT
Ground Surface Elev. 464.40 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft

Groundwater Elev.:
First Encounter 434.4 ft ▼
Upon Completion 434.4 ft ▽
After - Hrs. - ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Pavement surface, asphalt 12-inches thick
463.40				
	10			CLAY LOAM (fill), trace gravel
	6		8	
	6			
460.90				
	7			Brown, Medium SAND (fill), trace gravel
	5		6	
-5	7			
	WH			
	WH			
	5			
455.90				
455.40	5		12	Brown and Gray CLAY LOAM (fill), trace gravel
	5		9	
-10	7			Brown and Gray SAND (fill), and gravel
453.40				
	2			Brown SANDY CLAY LOAM (fill), trace gravel
	6		11	
	11			
450.90				
450.40	3		12	Gray, Fine SAND, trace gravel
	5	4.0	22	
-15	7	B		Very Stiff to Soft Gray SILTY CLAY LOAM, trace gravel, coal
	1			
	1	0.3	27	
	2	B		
445.90				
	WH			
	1	0.3	31	
-20	2	B		
443.40				Very Soft Gray, Moist CLAY, trace gravel, 1" sand seam at 18.8' *(continued)*
	WH			
442.40				Soft, Gray, Moist, SANDY LOAM, trace gravel
	WH	0.3	27	
	2	B	27	
440.90				Very Soft Gray, Moist CLAY, trace sand, gravel
	WH			
	WH		32	Very Soft Gray, Moist LOAM, trace gravel
-25	WH			
	WH			
	WH		29	Organics
436.40				
	WH			Very Loose to Medium Dense Gray, Coarse, Moist SAND, trace gravel
	WH		29	
▼30	2			Wet at 30'
	3			
	3		16	
-35	7			
	6		14	
424.90	7			
-40	93		11	Gray, Hard, SANDY SHALE

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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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Gray, Hard, SANDY SHALE *(continued)*
	20			
419.90	60/2"			
-45				Auger refusal encountered at 44.5-feet. Suspected Bedrock End of Boring
-50				
-55				
-60				

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)

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

GRÄEF
8501 W. Higgins Road; Suite 280
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BORING LOGS V

U.S. ROUTE 24 & IL ROUTE 9 OVER LA MARSH CREEK

STATION 337+89.89 *STRUCTURE NO. 072-0228*

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S36 OF 39 SHEETS	317	45BR-2	PEORIA	122	84
			CONTRACT NO. 68719		
	10-15-10	ILLINOIS	FED. AID PROJECT		

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10/18/2010