BORING LOGS
STA. 318 + 25
SN 037-1186

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 5/28/09

ROUTE FAS 226 DESCRIPTION 037-1112 P92-088-09 Box culvert on US 6 over drainway, .1 m. E. of Green River Road LOGGED BY W. Garza

SECTION 3T & 3BR-1 LOCATION Edford Twp. - 18SW, SEC. , TWP. 17N, RNG. 2E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 037-1112
Station 318+24

BORING NO. B-1b
Station 318+08
Offset 15.00ft Rt CL
Ground Surface Elev. 637.00 ft

Surface Water Elev. ft
Stream Bed Elev. 14.00 ft

Groundwater Elev.:
First Encounter 620.0 ft ▼
Upon Completion 607.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF tan brown LOAM					
				1.0 P	14.0
	635.00				
DENSE tan CONCRETE			40		
			27		
	633.50		6		
STIFF brown SILTY CLAY LOAM		-5	1		
			2	1.1 P	26.0
	631.00		3		
MEDIUM brown SILTY CLAY LOAM			1		
			2	0.5 B	25.0
	628.50		3		
STIFF gray SILTY LOAM		-10	1		
			2	1.1 P	27.0
	626.00		3		
MEDIUM black SILTY CLAY LOAM with 9.5ORGANICS			0		
			0	0.5 B	54.0
	623.50		2		
MEDIUM gray LOAM		-15	0		
			0	0.7 B	25.0
	620.50		2		
DENSE tan SANDY GRAVEL			6		
			15		
			16		
	618.00				
		-20	7		
VERY STIFF light gray CLAY with dirty SAND on top 12" (continued)			9	3.2 P	16.0
	616.00		5		
VERY STIFF light gray CLAY LOAM			6		
			12	3.3 B	16.0
			17		
	613.00				
MEDIUM gray SHALE		-25	5		
			7		
	611.00		14		
DENSE gray SHALE			13		
			19		
	608.50		25		
DENSE gray SHALE		▽-30	10		
			16		
	606.00		22		
VERY DENSE gray SHALE with COAL lens			100/7"		
	603.50				
End of Boring					
		-35			
		-40			

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 Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 037-1112
Station 318+24

BORING NO. B-2b
Station 318+56
Offset 57.00ft Lt CL
Ground Surface Elev. 627.50 ft

Surface Water Elev. ft
Stream Bed Elev. 84.00 ft

Groundwater Elev.:
First Encounter 623.0 ft ▼
Upon Completion Dry ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM black SILTY CLAY LOAM					
				0.6 P	28.0
	625.50				
SOFT light gray LOAM			0		
			0	0.4 B	23.0
			2		
	623.50				
MEDIUM gray fine SAND		-5	2		
			4		
			6		
	621.00				
VERY STIFF light gray CLAY			1		
			4	2.3 B	16.0
	619.00		7		
VERY STIFF light gray/gray CLAY with SHALE		-10	3		
			6	3.7 S	15.0
			10		
	616.00				
MEDIUM gray SHALE			6		
			9		
	614.00		12		
MEDIUM gray SHALE		-15	6		
			10		
	611.50		16		
VERY DENSE gray COAL with SHALE			100/6"		
	609.00				
End of Boring					
		-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)

FILE NAME = C:\pw_work\pwidot\cushmanbe\d0169166\D2088089-sht-logs.dgn	USER NAME = hagensonjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS	F.A.S. RTE. 226	SECTION 3T & 3BR-1	COUNTY HENRY	TOTAL SHEETS 210	SHEET NO. 87
		DRAWN -	REVISED -					CONTRACT NO. 64F25		
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT DATE = Wed Oct 24 11:21:07 2012	DATE -	REVISED -							