

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



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

SOIL BORING LOG

Page 1 of 2

Date 3/14/07

ROUTE FAP 308 DESCRIPTION P92-089-05 IL 84 over Duke Creek, north edge of Hanover LOGGED BY W. Garza  
SECTION 104 BR-1 and 103 BR-3 LOCATION Hanover Twp. - 9NW, SEC. , TWP. 26N, R1G. 2E  
COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH	SOIL TYPE	UCS	SPT	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After
043-0027	356+55	B-1b	356+10	9.00ft LI CL	629.50	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft
		15" Asphalt													
		MEDIUM tanish brown SILTY CLAY LOAM						0.9	19.0						
	627.00	VERY STIFF tan SILTY CLAY													
	625.50							3.1	20.0						
		STIFF tan/gray SILTY CLAY LOAM													
	623.00							2.0	24.0						
		MEDIUM gray SILTY CLAY LOAM													
	620.50							0.8	30.0						
		SOFT gray SILTY CLAY with LIMESTONE fragments													
	618.00							0.4	27.0						
		MEDIUM dark gray SILTY CLAY													
	615.50							0.5	30.0						
		STIFF dark gray SILTY CLAY													
	613.00							1.2	30.0						
		SOFT gray SILTY CLAY LOAM with fine SAND lens													
	610.50							0.4	29.0						

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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		SOFT gray CLAY LOAM with SILT lens													
	608.00							0.6	30.0						
	607.50														
		LOOSE gray fine SAND													
	605.50							0.4	27.0						
	603.00							0.8	32.0						
	600.50							0.3	31.0						
	598.00							0.4	28.0						
	595.50							0.4	33.0						
	593.00							0.6	32.0						
	590.50							0.4	32.0						

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 E.E.J.  
CHECKED J.Z.  
DRAWN R.B.H.  
CHECKED J.Z.

**BORING LOGS I**  
Illinois Rte. 84 Over Duke Creek  
STATION 336+42.00 STRUCTURE NO. 043-0079

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SB21 OF 23 SHEETS	308	103BR-3	JO DAVIESS	126	82
			CONTRACT NO. 64B26		
10-15-2010		ILLINOIS FED. AID PROJECT			

**GRAEF** 8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112