STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 717	101B-1	LOGAN	49	38
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 22
23 SHEETS

Contract #72A04

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 3 of 3

Date 8/14/06

ROUTE FA 717 DESCRIPTION IL 10 over Prairie Creek LOGGED BY M. Tappan

SECTION 101 BR LOCATION NW 1/4, SEC. 18, TWP. 20 N, RNG. 4 W, 3 PM

COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 054-0070 Ex / 054-0507 Pr
Station 254+72

BORING NO. 3 Pier 2
Station 255+26
Offset 27.0ft Lt
Ground Surface Elev. 516.1 ft

Surface Water Elev. 507 ft
Stream Bed Elev. 506 ft

Groundwater Elev.:
First Encounter 502.1 ft
Upon Completion Washed ft
After 72 Hrs. 515.6 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
SAND and GRAVEL (continued)					
	-85				
		5			
Grey Medium Grained Sandy GRAVEL Washed	-90	19 / 19			
	-95				
		30			
Grey Medium Grained Sandy GRAVEL	-100	26 / 21			
Washed SAND and GRAVEL (continued)	-105				
	-110				
	403.10				
Black V. Well Indurated SILTSTONE	402.60				
Auger Refusal – Boring Completed	-115	200 /2" B.S.			
	-120				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H – Sampler Advanced By Weight of Hammer, W.O.P – Advanced by Weight of Pipe, B.S. – Before Seating
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 S:\SOILS\GINT FILES\LOGAN\054-0070 IL 10 OVER PRAIRIE CREEK.GPJ Data Template DOTSBORP2.7.GDT Date Printed 9/21/06
Latitude 40 Deg 11.656 N Longitude 89 Deg 18.928 W Datum NAD83 Job Number

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 3

Date 8/16/06

ROUTE FA 717 DESCRIPTION IL 10 over Prairie Creek LOGGED BY M. Tappan

SECTION 101 BR LOCATION NW 1/4, SEC. 18, TWP. 20 N, RNG. 4 W, 3 PM

COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 054-0070 Ex / 054-0507 Pr
Station 254+72

BORING NO. 4 E. Abut
Station 256+11
Offset 12.0ft Rt
Ground Surface Elev. 529.5 ft

Surface Water Elev. 507 ft
Stream Bed Elev. 506 ft

Groundwater Elev.:
First Encounter 510.5 ft
Upon Completion Washed ft
After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black Moist SILTY CLAY (FILL)					
		0			
	-5		1 / 2	0.8 / B	22
		0			
			1 / 2	0.7 / B	26
	-10	5			
		0			
			1 / 2	1.0 / B	36
	-15	1			
		0			
			1 / 2	0.6 / B	23
	514.00	1			
Grey Moist LOAM		0			
			1 / 1	0.2 / B	27
	511.50				
Grey Wet Dirty Medium Grained SAND		0			
Free Water	-20	1			
	509.00				
Dark Grey Moist LOAM with Sand Loam Seams and Gastropod Shells		0			
		0 / 1	0.3 / B	35	
		0			
Grey Moist LOAM w/Silt Loam Seams		1 / 1	0.3 / B	27	
	-25				
	502.00				
Grey V. Moist SILT LOAM w/Fine Grained Sand Seams and Organic Material		0			
		1 / 1	0.4 / B	29	
	-30				
	497.00				
Grey Fine Grained SAND w/Silt Loam Seams		1			
Washed		1 / 2			
	-35				
		3			
Grey V. Fine Grained SAND w/3" Grey Clay Seam	-40	6 / 6			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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Latitude 40 Deg 11.656 N Longitude 89 Deg 18.928 W Datum NAD83 Job Number

DESIGNED	D.J.T. & S.D.S.
CHECKED	J.J.P. & S.D.S.
DRAWN	L.M.G. & D.L.H.
CHECKED	D.J.T. & S.D.S.

WHKS & CO.
ENGINEERS PLANNERS LAND SURVEYORS
MASON CITY, IOWA DUBUQUE, IOWA AMES, IOWA
E. DUBUQUE, ILLINOIS SPRINGFIELD, ILLINOIS ROCHESTER, MINNESOTA

BORING LOGS
IL ROUTE 10 OVER PRAIRIE CREEK
F.A.P. ROUTE 717 - SECTION 101B-1
LOGAN COUNTY
STATION 254+75.91
STRUCTURE NO. 054-0507