STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 717	101B-1	LOGAN	49	39
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23
23 SHEETS

Contract #72A04

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 2 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 (%)
Grey Fine Grained SAND w/Silt Loam Seams (continued)					
	487.00				
Grey V. Moist SILT			4		
Washed		-45	4 / 7	0.9 / B	28
			3		
Grey Moist SILT Washed		-50	3 / 4	1.0 / S-11	24
			3		
Washed		-55	3 / 5	1.2 / B	28
	471.50				
SAND and GRAVEL			5		
Grey Medium Grained Sandy GRAVEL		-60	6 / 11		
Washed SAND and GRAVEL (continued)			14		
Grey Medium to Coarse Grained SAND w/Some 1/4" Gravel Washed		-65	10 / 15		
			4		
Grey Dirty Medium Grained Sandy GRAVEL Washed		-70	18 / 32		
			11		
Grey Medium Grained Sandy GRAVEL Washed		-75	16 / 24		
Washed		-80	26 / 48		

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\GOUT FILES\LOGAN\054-0070 IL 10 OVER PRAIRIE CREEK.GPJ Data Template DOTBORP17.GDT Date Printed 8/23/06
Latitude 40 Deg 11.65 N Longitude 89 Deg 18.03 W Datum NAD83 Job Number

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 3 of 3

Date 8/16/06

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

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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 (%)
SAND and GRAVEL (continued)					
		-85			
			24		
Grey Medium Grained Sandy GRAVEL Washed	439.50	-90	25 / 36		
Boring Completed					
Refer STA to Paint on Road, STA Increase to East					
Refer Elevation to BM #254, Chisled Square on SE Headwall BM #254 = 529.5'					
		-95			
		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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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