

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 717	101B-1	LOGAN	49	36
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 20
23 SHEETS

Contract #72A04



Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

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Date 6/20/06

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

SECTION 101 BR LOCATION NW 14, SEC. 18, TWP. 20 N, RNG. 4 W, 3 PM

COUNTY Logan DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 054-0070 Ex Station 054-0507 Pr 254+72	D E P T H	B L O W S	U L C S	M O S T	Surface Water Elev. 507 ft Stream Bed Elev. 506 ft Groundwater Elev.: ▽ First Encounter 501.1 ft ▽ Upon Completion Washed ft ▽ After 24 Hrs. 513.6 ft	D E P T H	B L O W S	U L C S	M O S T
BORING NO. 2 Pier 1 Station 254+23 Offset 26.0ft Rt Ground Surface Elev. 517.6 ft	(ft)	/8"	(taf)	(%)	(ft)	/6"	(taf)	(%)	

Grey Fine Grained SAND Interbedded with Thin Silt Seams Washed (continued) 475.60					Washed Sand Flowed 10' into Augers Sandy GRAVEL (continued)				
Grey Wet SILT w/Some Organic Material Washed 0 2 0.5 20 -45 2 B									
Sandy GRAVEL 470.10									
Grey Medium to Coarse Sandy GRAVEL Washed 20 18 -60 18					Grey Medium Grained Sandy GRAVEL Washed 6 16 -70 20				
Grey Medium Grained Sand Flowed 7' into Augers 2 7 -55 9									
Grey Medium to Coarse SAND w/ Some Medium Grained Gravel 4 17 -60 30					Washed 19 21 -80 20				

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)



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Sandy GRAVEL (continued)									
Grey Medium Grained Sandy GRAVEL Washed 10 6 -90 10					Grey Medium Grained Sandy GRAVEL Washed 13 20 -110 21				
Interpreted Shale Bedrock Surface - No Sample due to 27' of Auger Sheared off at Bottom Boring Completed 401.10 899.60									
Washed 25 25 -100 25					Refer STA, Elevation to Existing Pier 1 -120				

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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.



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