

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
FAP 326	119BR	GRUNDY	68	47	27
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	27 SHEETS		

Contract #66687

Illinois Department of Transportation
Division of Highways
District #4, Office
FAP Route 326 (Illinois - 47)

SOIL BORING LOG Page 1 of 2
Date 11/20/03

ROUTE 47 DESCRIPTION Over Johnny Run LOGGED BY Larry Meyers

SECTION Section 119B BR LOCATION SEC. 22, TWP. 32, RNG. 7, 3rd PM

COUNTY Grundy County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 032-0031
Station
BORING NO. 2 No. Abutment
Station 583+52.55
Offset 4.00R Rt
Ground Surface Elev. 586.57 ft

Description	Depth (ft)	Bulge (ft)	Shear (psi)	Penetrometer (psi)	SPT (blows)	Notes
Surface Water Elev.	576.04					ft
Stream Bed Elev.						ft
Groundwater Elev.						ft
First Encounter						ft
Upon Completion	555.6					ft
After						Hrs.
Hard gray sandy clay loam (fill) (continued)	11					11.7
Stiff black and gray clay loam (fill)	2	2.0	18.8			
	4					
	5					
	2					
	3	2.0	19.3			
	4					
	2					
	3	1.0	18.4			
	5					
Hard gray loam (fill)						558.57
Stiff brown and gray sandy clay loam (fill)	2					
	4	1.5	20.2			
Very stiff brown sandy clay loam (fill)	1					
	3	2.0	16.7			
	6					
Hard gray sandy clay loam (fill)	3					
	6	4.9	11.8			
	9					
	6					
	9	7.6	11.1			
	15					
	11					

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 T205)
BBS, from 137 (Rev. 8-99)

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Station 583+52.55
Offset 4.00R Rt
Ground Surface Elev. 586.57 ft

Description	Depth (ft)	Bulge (ft)	Shear (psi)	Penetrometer (psi)	SPT (blows)	Notes
Hard gray loam (fill) (continued)	57	9.0	9.1			
	63					
	27					
	54	7.0	9.8			
	25					
Gray shale weathered and reworked at rock surface						
	17					
	84		8.8			
End of Boring	535.57					

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T205)
BBS, from 137 (Rev. 8-99)

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

SOIL BORING LOGS
IL 47 OVER JOHNNY RUN
FAP ROUTE 326 - SECTION 119BR
GRUNDY COUNTY
STATION 582+65.75
STRUCTURE NO. 032-0112

OATES ASSOCIATES
Consulting Engineers
Design Firm License No. 184.001115

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