STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 309	7VBR	WHITESIDE	146	81a
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 22
22 SHEETS

Contract #84883

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 2 Materials

Date 5/1993

ROUTE FA 309 DESCRIPTION Bridge on US 30 over C.N. R.R. by Fulton LOGGED BY C. Jenkins

SECTION 7BR-1 & 7VBR LOCATION Garden Plain Twp. – N.W. 1/4, SEC. 4, TWP. 21N, RNG. 3E, PM

COUNTY Whiteside DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 098-6001
Station 66+55.7

BORING NO. B-4
Station 47+45
Offset 8.00ft Rt.
Ground Surface Elev. 618.1 ft

Surface Water Elev. None ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion Wash ft
After ___ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
				Loose, tarred fine Sand		1 1 3		
Through deck								
Air								
16'				Medium, tan fine to medium Sand		5 6 9		
-5				R.R. Trackbed Elev. 73.8	-25			
				Stiff, redbrown Sandy Loam w/Sand lenses		9 10 10	1.3 P	16
				Stiff, gray Sandy Loam w/k Coal & Sand lense		9 19 28	1.5 S	13
-10					-30			
				Medium, graybiack dirty Sand		4 5 6		
				Loose, tan fine Sand w/k Sandy Loam lense		1 3 3		
-15					-35			
				Loose, tan fine to medium Sand		3 5 5		
602.10								
Loose, black Sand								
No Sample								
Very Loose, blackred dirty Sand								
	2 1 2			Same as above		2 4 6		
-20					-40			

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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COUNTY Whiteside DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 098-6001
Station 66+55.7

BORING NO. B-4
Station 47+45
Offset 8.00ft Rt.
Ground Surface Elev. 618.1 ft

Surface Water Elev. None ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion Wash ft
After ___ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
First Encounter								
Medium, tan fine Sand		2 5 6		Medium, tan sand & Gravel		10 15 13		
-45					-65			
Begin Wash								
Medium, tan fine to medium Sand		4 6 9		Dense, tan Sand & Gravel		13 15 20		
-50					-70			
Same as above		5 7 10		Medium, tan Sand & Gravel		16 14 13		
-55					-75			
Medium, tan fine to medium Sand		11 12 10		Very Dense, tan Sand & Gravel		22 25 26		
-60					-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY Whiteside DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 098-6001
Station 66+55.7

BORING NO. B-4
Station 47+45
Offset 8.00ft Rt.
Ground Surface Elev. 618.1 ft

Surface Water Elev. None ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion Wash ft
After ___ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
Same as above	20 26 24			
End of Boring				
-80				
-90				
-95				
-100				

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)

BORING DETAILS
F.A.P. RT. 309 SEC. 7VBR
WHITESIDE COUNTY
STATION 47+18.53
STRUCTURE No. 098-6001

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