STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 309	7VBR	WHITESIDE	146	80
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 20
22 SHEETS

Contract #84883

Illinois Department of Transportation
Division of Highways
District 2 Materials

SOIL BORING LOG

Page 1 of 2
Date 4/30/93

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-1
Station 46+77
Offset 8.50ft Lt.
Ground Surface Elev. 619.1 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
				Air through deck 18.2'
600.10				
	1	1.3	15	Stiff, brown Sandy Loam
-20	P			
	7			Medium, brown Sandy Loam
	6	0.8	14	
	5	S		
	2			Soft, brown Sandy Loam
	2	0.4	18	
	2	S		
-25				R.R. Track bed Elev. 73.8 Same as above
	1			
	1	0.4	16	
	1	S		
	2			Soft, brown Sandy Loam wSand lenses
	1	0.3	22	
	1	S		
-30				Very Soft, black Sandy Loam
	1			
	0	0.1	19	
	0	P		
	1			Soft, gray Sandy Loam
	1	0.4	18	
	2	S		
-35				Medium, brown Loam
	3			
	5	0.6	24	
	6	B		
	2			Loose, brownish Sand
	3			
	3			
-40				First Encounter

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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Division of Highways
District 2 Materials

SOIL BORING LOG

Page 2 of 2
Date 4/30/93

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-1
Station 46+77
Offset 8.50ft Lt.
Ground Surface Elev. 618.1 ft

Surface Water Elev. None ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs. _____ ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
	3			Medium, tan fine to medium Sand
	5			
	6			
	4			Begin Wash Same as above
	5			
	5			
-45				
	7			Medium, brown fine to medium grained Sand
	7			
	9			
-50				
	6			Same as above
	9			
	12			
-55				
	12			Dense, tan Sand and Gravel
	15			
	18			
-60				
	7			Medium, brown fine to medium Sand
	7			
	9			
-65				
	13			Dense, tan fine to coarse Sand
	17			
	20			
-70				
	18			Same as above
	20			
	28			
-75				
	15			Very Dense, tan fine to medium Sand
	23			
	29			
-80				End of Boring

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SOIL BORING LOG

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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-2
Station 48+28
Offset 9.00ft Lt.
Ground Surface Elev. 618.0 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
				Asphalt Concrete
	7			Medium, brown medium Sand
	11			Medium, brown Sand w/s Silty Clay lense
	10			
-25				
	6			Medium, tan fine Sand
	5			
	6			
	6			Stiff, brown Sandy Loam wSand lenses
	7	1.7	18	
	8	S		
-30				
	10			Medium, tanbrown fine to medium Sand
	7			
	10			
	7			Medium, tan dirty fine to medium Sand
	11			
	15			
-35				
	12			Medium, tanred fine to medium Sand
	13			
	15			
	16			Dense, tanred medium Sand
	20			
	20			
-40				
	12			Dense, tan/gray fine Sand w/s Sandy Loam lense
	14			
	20			
	16			Dense, tanred fine to medium Sand
	20			
	16			
-25				R.R. Trackbed Elevation 73.8 Very Stiff, brown Sandy Loam wSand lenses
	14			
	11	2.3	15	
	14	S		
	8			Stiff, brown Sandy Loam wSand lenses
	11	1.9	14	
	18	S		
-30				
	11			Very Stiff, brown Sandy Loam wSand lenses
	20	2.3	12	
	16	P		
	4			Very Stiff, brown Silty Clay
	7	2.3	18	
	10	P		
-35				
	3			Loose, tan fine Sand
	5			
	4			
	2			First Encounter Loose, tan fine Sand
	3			
	4			
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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-2
Station 48+28
Offset 9.00ft Lt.
Ground Surface Elev. 618.0 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
	3			Medium, tanbrange fine Sand
	7			
	9			
-45				
	4			Begin Wash Medium, tan fine Sand
	4			
	7			
-50				
	9			Dense, river Sand & Gravel
	16			
	25			
				544.00
-55				End of Boring
	11			Same as above
	15			
	21			
-80				
	21			Very Dense, tan fine to medium Sand
	17			
	21			
	24			
-70				
	19			Dense, tan fine to coarse Sand
	24			
	26			
-75				

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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