Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 9/10/98

ROUTE FAI 90 DESCRIPTION (P92-066-06 Failed WW) Box Culvert, 0.1 mile south of Prairie Hill Road, Failed Wing Wall LOGGED BY C. Jenkins

SECTION _____ LOCATION Roscoe Twp. - NW15, SEC., TWP. 46N, RNG. 2E

COUNTY Winnebago DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. _____
Station _____

BORING NO. B-1
Station 95+69
Offset 42.50ft Rt SB CL
Ground Surface Elev. 92.20 ft

Surface Water Elev. 92.50 ft
Stream Bed Elev. 92.00 ft

Groundwater Elev.:
First Encounter 62.2 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SANDY LOAM					
				0.5	
				P	
	89.70				
SOFT brown SANDY LOAM			2		
			2	0.3	
			5	S	
	87.70				
LOOSE brown medium grained SAND		-5	6		
			4		
	85.70		3		
LOOSE brown medium grained SAND & GRAVEL			2		
			2		
	83.20		3		
VERY LOOSE tan, fine grained SAND		-10	1		
			2		
	80.70		1		
VERY LOOSE tan SAND & GRAVEL			3		
			2		
	78.20		2		
LOOSE tan fine grained SAND		-15	3		
			3		
	75.70		4		
Same as above			4		
			4		
	73.20		6		
		-20			
Same as above			3		
			5		
	70.70		7		
DENSE tan fine SAND			7		
			15		
	68.20		17		
MEDIUM tan medium grained SAND		-25	9		
			12		
	65.70		14		
Same as above			8		
			13		
	63.20		14		
MEDIUM tan medium grained SAND		▼-30	4		
			9		
	60.70		13		
MEDIUM tan fine grained SAND			4		
			13		
	58.20		14		
MEDIUM tan medium grained SAND		-35	6		
			8		
	55.70		11		
Begin Wash			13		
DENSE tan medium grained SAND			21		
	53.20		27		
		-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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Surface Water Elev. 92.50 ft
Stream Bed Elev. 92.00 ft

Groundwater Elev.:
First Encounter 62.2 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Same as above			5		
			16		
	50.70		22		
End of Boring					
		-45			
		-50			
		-55			
		-60			

Soil Boring B-1 (95+69)

Soil Boring Log Ground Surface Elevation of 92.20 = Plan Elevation of 778.50

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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USER NAME =	DESIGNED - JTT	REVISED -
	CHECKED - VAC	REVISED -
PLOT SCALE =	DRAWN - JBB	REVISED -
PLOT DATE =	CHECKED - JTT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 101-1095
BOX CULVERT SHEET NO. 7 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(X2-1)R	WINNEBAGO	510	400
		CONTRACT NO. 64C29		
		ILLINOIS FED. AID PROJECT		