STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 066	21(B&G)R	McHENRY	66	45
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5
6 SHEETS

#62391

Illinois Department of Transportation

SOIL BORING LOG

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Date 9/3/02

ROUTE FAP 066 DESCRIPTION Structure Borings LOGGED BY EW

SECTION LOCATION SEC. 1 TWP. 46N RNG. 5E,3 PM

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-0075
Station 107+00.00

BORING NO. B-3
Station 106+89
Offset 13.70 ft. Right
Ground Surface Elev. 960.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 948.4 ft
Upon Completion 946.4 ft
After Hrs ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4" Brown Silty SAND and GRAVEL (FILL), Moist	960.07				15.0
Brown Silty SAND and GRAVEL, some Silty Clay Seams (FILL), Moist	957.40		11		
Brown Silty SAND and GRAVEL, (FILL), Moist		-5	23		3.0
			10		
			2		
			2		28.0
	953.90		2		0
Gray Silty CLAY, trace Sand and Gravel, occasional Silt and Sand Soams, Moist			1		
	951.90		1		17.0
Gray Silty SAND and GRAVEL, trace Clay, Moist		-10	4		
			4		
	949.40		4	2.1	14.0
Reddish – Brown Silty CLAY, trace Sand and Gravel, Moist		▽	7		
			4		
			5	2.2	13.0
		▽	4		
	945.40	-15			
Grayish – Brown Silty CLAY, trace Sand and Gravel, Moist			2		
			3	1.9	13.0
			4		
			3		
			4	2.1	12.0
			6		
		-20			
Grayish – Brown Silty CLAY, trace Sand and Gravel, Moist (continued)			3		
			4	2.1	10.0
			4		
			4		
	936.90		4	2.0	20.0
Gray Silty CLAY, trace SAND and Gravel, occasional Silt, and Sand Seams, Moist			5		
		-25			
			8		
	934.40		7		22.0
Gray Silty SAND and Gravel, Wet			5		
	932.90				
Dark Gray Clayey SILT to SILT, trace to some Sand and Gravel, Moist			4		
			5	0.6	17.0
			8		
		-30			
			4		
			6		13.0
			7		
	925.40	-35			
Grayish Brown Silty CLAY, trace Sand and Gravel, Moist			4		
			4	2.3	13.0
			6		
		-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 137 (3/01)

Illinois Department of Transportation

SOIL BORING LOG

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Date 9/3/02

ROUTE FAP 066 DESCRIPTION Structure Borings LOGGED BY EW

SECTION LOCATION SEC. 1 TWP. 46N RNG. 5E,3 PM

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-0075
Station 107+00.00

BORING NO. B-3
Station 106.89
Offset 13.70 ft. Right
Ground Surface Elev. 960.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 948.4 ft
Upon Completion 946.4 ft
After Hrs ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grayish – Brown Silty CLAY, trace Sand and Gravel, Moist (continued)			5		
			6		12.0
			8		
	915.40	-45			
Grayish – Brown Silty SAND and GRAVEL, Possible Cobbles and Boulders, Wet			22		
			20		10.0
			30		
		-50			
			7		
			5		13.0
			9		
	904.4		31	2.6	9.0
Light Brown Silty SAND and GRAVEL, some Cobbles and Boulders, Wet			19		
		-60			
Light Brown Silty SAND and GRAVEL, some Cobbles and Boulders, Wet (continued)			27		
			31		8.0
			50/5"		
		-65			
			25/.5"		
		-70			
			50/3"		
	888.90				19.0
End of Boring		-75			
		-80			

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 137 (3/01)

DESIGNED	RFS
CHECKED	LLP
DRAWN	JPG
CHECKED	RFS

20
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

BORING LOG 3
U.S. ROUTE 14
(NORTHWEST HIGHWAY)
OVER TRIBUTARY 'A'
TO LAWRENCE CREEK
FAP 066 SECTION 21(B&G)R
McHENRY COUNTY
STATION 107+00.00
STRUCTURE NO. 056-0075

3287-0955-0075.dgn