STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 066	2(KB&G)R	McHENRY	66	46
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 9/6/02

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-4
Station 106+88.00
Offset 13.0 ft. Left
Ground Surface Elev. 960.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 947.9 ft
Upon Completion 946.4 ft
After Hrs ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
16" ASPHALT				
959.40				
Dark Brown Silty SAND and GRAVEL (FILL), Moist				
		2		
956.90		3	2.5	13.0
Black Silty CLAY, little Sand, Gravel Organic Material (FILL or Buried TOPSOIL), Moist		4		
	-5			
		2		
954.40		2		22.0
Brown Silty CLAY, trace Sand and Gravel, Moist		2		
952.90				
Brown Silty SAND and GRAVEL, Moist		4		
		5		8.0
		7		
	-10			
949.90		4		
Reddish Brown Silty CLAY, trace Sand and Gravel , Moist		5	2.9	12.0
		4		
	▽			
		3		
946.90		5	2.4	13.0
Grayish – Brown Silty CLAY, trace Sand and Gravel, Moist	▽	6		
	-15			
		3		
		5	2.9	12.0
		6		
		3		
		5	1.5	7.0
		7		
	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grayish – Brown Silty CLAY, trace Sand and Gravel, Moist (continued)		3		
		4	1.7	12.0
		4		
937.40		8		
Light Brown Silty SAND and GRAVEL, Wet		10		21.0
		14		
	-25			
		11		
934.40		16		20.0
Gray SILT, some Sand, Moist		12		
932.40		9		
Dark Gray Silty CLAY, trace to little Sand and Gravel, Moist		8	1.5	20.0
		9		
	-30			
		5		
		5	2.4	20.0
		7		
925.40	-35	5		
Gray Silty CLAY, trace Sand and Gravel, Moist		5	2.7	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

Page 2 of 2

Date 9/6/02

ROUTE 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

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Station 107+00.00

BORING NO. B-4
Station 106.88
Offset 13.00 ft. Left
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Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
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Upon Completion 946.4 ft
After Hrs ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY, trace Sand and Gravel, Moist (continued)		5		
		5	0.5	13.0
		5		
	-45			
914.90		13		
Gray Silty CLAY, trace Sand and Gravel, Moist		25	4.1	13.0
		30		
	-50			
		10		
		12		18.0
908.90		13		
End of Boring				
	-55			
	-60			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	-65			
	-70			
	-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	HLS

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

BORING LOG 4
U.S. ROUTE 14
(NORTHWEST HIGHWAY)
OVER TRIBUTARY 'A'
TO LAWRENCE CREEK
FAP 066 SECTION 2(KB&G)R
McHENRY COUNTY
STATION 107+00.00
STRUCTURE NO. 056-0075

3267-0056-0075.cgn