STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rt. 305	28R-2-RS-1	McHenry	53	42
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NUMBER: 60756

STRUCTURE BORING LOG (BY APPLIED GEOSCIENCE, INC.)

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ROUTE FAP 305 (US-14) DESCRIPTION

SECT. 28R(1,2)WRS and 2BR-HR-BR STRUCT. NO. 056-3015 DRILLED BY FEI

COUNTY McHenry LOCATION South Street over US 14 S. 7, TWP. 44, RNG. 6E-7E 3 PM

Boring No. SB-3
Station 30+000.85
Offset 7.717m left
Surface Elev. 284.70 (m)

Surface Water Elev.
Groundwater Elev.:
when drilling 3.05
at Completion 3.20
after ___ Hrs.

Description	Elev.	Depth	Blows	Qu kPa	W %
Topsoil, silty loam, with roots, black	284.4				
SANDY CLAY, with topsoil, dk. brown, stiff	283.9		2 5 6	168	22
			N=11	P	
SANDY LOAM, with gravel, light brown, stiff			2 4 5	144	20
		-1.5	N=9	P	
	282.9				
SILTY CLAY, with gravel, brown, wet, very stiff			8 11 9	307	17
			N=20	S	
	282.0				
SAND & GRAVEL, brown, med. dense			3 6 10		
		-3.0	N=16		
			4 9 12		
			N=21		
			3 8 12		
		-4.5	N=20		
			9 12 13		
	279.3		N=25		
SAND & GRAVEL, gray, dense to med. dense			24 18 25		
		-6.0	N=43		
			4 9 20		
		-7.5			

Description	Elev.	Depth	Blows	Qu kPa	W %
SAND & GRAVEL, gray, dense to med. dense			N=29		
			8 12 14		
		-9.0	N=26		
	275.1				
SANDY CLAY, tr. gravel, light brown, very stiff			3 5 8	249	21
		-10.5	N=13	B	
			4 7 9	201	19
		-12.0	N=16	B	
	271.8				
SANDY CLAY, some gravel, light brown, stiff			7 9 12	115	18
		-13.5	N=21	B	
			8 10 12	125	17
		-15.0		B	

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Meters

STRUCTURE BORING LOG (BY APPLIED GEOSCIENCE, INC.)

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Date 4/23/01

STRUCTURE NO. 056-3015
ROUTE FAP 305 (US-14)
SECTION 28R(1,2)WRS and 2BR-HR-BR
COUNTY McHenry

Boring No. SB-3
Station 30+000.85
Offset 7.717m left
Elevation 269.7 (m)

Description	Elev.	Depth	Blows	Qu kPa	W %
SANDY CLAY, some gravel, light brown, stiff	269.1		N=22		
SILTY CLAY, some sand & gravel, light brown, very stiff			5 8 19	326	15
		-16.5	N=27	S	
			27 25 13	345	15
		-18.0	N=38	S	
			8 15 21	345	16
		-19.5	N=36	B	
	264.6				
SAND & GRAVEL, light brown, very dense			27 29 34		
	263.7	-21.0	N=63		
END OF BORING					
		-22.5			

Depth	Blows	Qu kPa	W %
-24.0			
-25.5			
-27.0			
-28.5			
-30.0			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Meters

SOIL BORING LOGS - 3

Date			
Revisions	Designed MR	SOUTH ST. OVER US 14 FAP ROUTE NO. 305 SECTION 28R-2-RS-1 STATION 29+999.897 COUNTY McHENRY STRUCTURE NO. 056-3015	Sheet No. 29 of 31
	Drawn MR		
	Checked KSM		
	Approved KSM		

HARRY O. HEFTER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Chicago, Illinois 60604 312/346-8131
File Name: 1962S29.DGN
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