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	43
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NUMBER: 60756

STRUCTURE BORING LOG (BY APPLIED GEOSCIENCE, INC.)

Page 1 of 2
Date 4/12/01

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-4
Station 30+016.32
Offset 7.054m Right
Surface Elev. 285.03 (m)

Surface Water Elev.
Groundwater Elev.:
when drilling 3.20
at Completion 3.35
after Hrs.

Description	Elev.	Depth	Blows	Qu kPa	W %
Topsoil, silty clay loam, black	284.7				
SILTY CLAY, with sand & gravel, brown, stiff			3 3 4 N=7	144 P	27
SANDY LOAM, tr. clay & gravel, brown, loose to med. dense	284.0	-1.5	7 3 4 N=7		
SAND & GRAVEL, tr. silt, brown, med. dense	283.2	-3.0	5 6 5 N=11		
			4 5 8 N=12		
		-4.5	6 7 7 N=14		
			10 9 7 N=16		
		-6.0	5 8 10 N=18		
SANDY LOAM, some limestone, brown, med. dense	279.2		7 13 16 N=29		
SILTY CLAY, tr. some sand & gravel, light	278.1	-7.5	27 22 9	249 B	18
brown, very stiff			N=31		
SANDY CLAY, some gravel, light brown, stiff	276.6	-9.0	2 3 6 N=9	153 B	21
		-10.5	5 6 9 N=15	153 B	22
SILTY CLAY, some sand & gravel, light brown, very stiff	273.6	-12.0	6 9 14 N=23	364 B	17
		-13.5	9 9 9 N=18	230 B	19
		-15.0	3 4 7	268 B	21

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.)

Page 2 of 2
Date 4/12/01

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

Boring No. SB-4
Station 30+016.32
Offset 7.054m Right
Elevation 270.0 (m)

Description	Elev.	Depth	Blows	Qu kPa	W %
SILTY CLAY, some sand & gravel, light brown, very stiff			N=11		
		-16.5	2 5 6 N=11	230 B	19
		-18.0	4 10 11 N=21	220 B	18
		-19.5	5 6 10 N=16	249 B	19
		-21.0	3 4 5 N=9	182 B	22
END OF BORING	264.0	-22.5			

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 - 4

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

Sheet No. 30 of 31

HARRY O. HEFTER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Chicago, Illinois 60604 312/346-8151

File Name: 1962S30.DGN

Job No. 1962

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