ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rt. 305	28R-2-RS-1	McHenry	53	40
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NUMBER: 60756

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE BORING LOG
(BY APPLIED GEOSCIENCE, INC.)

Date 4/26/01

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-1
Station 29+968.25
Offset 3.364m left
Surface Elev. 290.41 (m)

Surface Water Elev.
Groundwater Elev.:
when drilling 7.16
at Completion 7.01
after ____ Hrs.

DEPTH	BLOWS	Qu kPa	W %
290.3			
73.5mm Asphalt over 73.5mm of Concrete			
289.7			
FILL, sand & gravel, some clay, brown, loose	2 4 5		
	N=9		
SILTY CLAY, some sand & gravel, brown, stiff to very stiff, possible fill	2 4 4	201 B	20
-1.5	N=8		
	1 2 4	125 B	19
	N=6		
	1 3 5	201 B	18
-3.0	N=8		
	2 3 4	211 B	17
	N=7		
	2 4 4	201 B	20
-4.5	N=8		
285.6			
SILTY CLAY, some sand & gravel, gray, very stiff, possible fill	2 3 4	211 S	17
	N=7		
284.6	2 16 23	192 B	27
-6.0 ORGANIC CLAY, black, stiff 284.4	N=39		
SAND & GRAVEL, brown, wet, med. dense			
	7 9 10		
-7.5			

DEPTH	BLOWS	Qu kPa	W %
	N=19		
SAND & GRAVEL, light brown, wet, med. dense			
	8 9 13		
-9.0	N=22		
	5 13 15		
-10.5	N=28		
278.9			
SANDY LOAM, tr. gravel, light brown, hard	12 16 18	546 S	12
-12.0	N=34		
	10 15 13	393 S	14
-13.5	N=28		
276.3			
SILTY CLAY, some sand & gravel, light brown, very stiff	8 15 14	297 B	16
-15.0			

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

STRUCTURE BORING LOG
(BY APPLIED GEOSCIENCE, INC.)

Date 4/26/01

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

Boring No. SB-1
Station 29+968.25
Offset 3.364m left
Elevation 275.4 (m)

DEPTH	BLOWS	Qu kPa	W %
	N=29		
SILTY CLAY, some sand & gravel, light brown, very stiff	6 6 8	201 B	14
-16.5	N=14		
	7 10 11	249 B	13
-18.0	N=21		
	8 12 12	220 B	15
-19.5	N=24		
	6 6 7	201 B	14
269.4 -21.0 END OF BORING	N=13		
-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 - 1

Date	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. 27 of 31
Revisions	Drawn MR		
	Checked KSM		
	Approved KSM		

HOH — HARRY O. HEFTER ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS — 55 East Jackson Blvd. Chicago, Illinois 60604 312/346-8131 — File Name: 1962S27.DGN — Job No. 1962

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