

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rte. 305	2BR-2-RS-1	McHenry	53	11
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. 2BR(1,2)WRS and 2BR-HR-BR STRUCT. NO. 056-3015 DRILLED BY FEI
COUNTY McHenry LOCATION South Street over US 14 S. I., TWP. 44., R. 6E-7E 3 PM

Boring No. SB-5	D	B		Surface Water Elev.	D	B		
Station 30+030.50	E	L		Groundwater Elev.:	E	L		
Offset 3.42m left	P	O		when drilling 7.16	P	O		
Surface Elev. 290.47 (m)	T	W	Qu W	at Completion 7.01	T	W	Qu W	
	H	S	kPa %	after _____ Hrs.	H	S	kPa %	
FILL, silty clay loam, gray, soft to very stiff		3						N=16
		2	48	32				
		2		P				
		N=4						
		2				6		
		4	201	25		7		
		6		B		10		
289.0 -1.5		N=10				N=17		
SILTY CLAY, some sand & fine gravel, brown-gray, very stiff, possible fill		2						
		4	364	21				
		4		B				
		N=8						
287.9		1						
		2	48	23				
		2		B				
		N=3				10		
SILTY CLAY, tr. fine gravel, brown-gray, med. stiff		1				19		
		3	72	22		21		
		3		B				
		N=5				N=40		
286.4		3				7		
		4	268	21		7	153	22
		6		B		7		B
		N=10				N=14		
SILTY CLAY, tr. sand & gravel, gray, very stiff		2						
		5	335	19				
		13		P				
		N=18						
		4				8		
		5	115	19		10	182	20
		6		B		7		B
		N=11				N=17		
284.2 -6.0		4				10		
		6				10	172	19
		10				8		B
		N=11				N=17		
284.2 -7.5		4				10		
		6				10	172	19
		10				8		B
		N=11				N=17		

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

Boring No. SB-5	D	B			D	B		
Station 30+030.50	E	L			E	L		
Offset 3.42m left	P	O			P	O		
Elevation _____ (m)	T	W	Qu W		T	W	Qu W	
	H	S	kPa %		H	S	kPa %	
SILTY CLAY, some sand & gravel, light brown, stiff		N=18						
		8						
		6	182	20				
		9		B				
		N=15						
		10						
		11	144	21				
		12		P				
272.5 -18.0		N=23						
END OF BORING								
		7						
		7	153	22				
		7		B				
		N=14						
		8						
		10	182	20				
		7		B				
		N=17						
		10						
		10	172	19				
		8		B				
		N=17						
		10						
		10	172	19				
		8		B				
		N=17						

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 - 5

Date _____	Designed MR _____	SOUTH ST. OVER US 14	Sheet No.
Revisions _____	Drawn MR _____	FAP ROUTE NO. 305	31
_____	Checked KSM _____	SECTION 2BR-2-RS-1	
_____	Approved KSM _____	STATION 29+999.897	
_____	_____	COUNTY McHENRY	
_____		STRUCTURE NO. 056-3015	of 31
HOH		HARRY O. HEFTER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS	Job No. 1962
		55 East Jackson Blvd. Chicago, Illinois 60604 312946-9131	File Name: 1962S31.DGN

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12/27/2004