BORING NO. B-1		N	R in	Qu tsf	W %
Ground Surface Elev.	686.91				
Silty CLAY-trace sand and gravel-brown-very stiff to hard (CL) - Fill		4			
		8 5		4.5P	14
		6			
	-5	7 9		4.5P	16
		4			
		5 7		4.0P	16
		4			
	-10	6 9		3.3P	19
		4			
		7		3.5P	19
Black TOPSOIL-Fill		10			24
Silty CLAY-trace sand and gravel-brown-very stiff to hard (CL) - Fill		2			*103*
	-15	8 9		4.5P	17
		4			*108*
		7 9		3.8P	16
		6			*103*
	-20	8 14		4.5P	16
		4			*100*
		6 9		3.5P	19
		5			
	-25	6 7		4.5P	16
		7			
		7 11		4.5P	18
		3			*106*
	-30	8 12		4.3P	15

BORING NO. B-1 Continued		N	R in	Qu tsf	W %
Silty CLAY-trace sand and gravel-brown-very stiff to hard (CL) - Fill		5			
Black TOPSOIL		8 14			37
Silty CLAY-trace sand and gravel-brown and gray - stiff (CL) wet		2			*106*
	-35	4 5		1.8B	25
Well graded clayey SAND & GRAVEL-gray-medium to dense (GC)		8			
		14 18		NP	8
		23			
	-40	13 10		NP	4
Well graded clayey SAND some gravel-medium to dense (GC)		12			
		9 7		NP	15
		15			
	-45	16 16		NP	16
		14			
		17 12		NP	10
Well graded clayey SAND & GRAVEL-gray-loose to very dense (GC)		21			
	-50	13 18		NP	14
		4			
		5 2		NP	8
		100	5	NP	5
End of Boring Refusal at -54.0' (Apparent Bedrock) Water Level: 12.0' acr	-55				
	-60				

BORING NO. B-2		N	R in	Qu tsf	W %
Ground Surface Elev.	686.40				
Silty CLAY-trace sand and gravel-brown-medium to hard (CL) - Fill		2			
		3 4		3.3P	16
		2			
		2 1		2.5P	*104* 17
		2			
	-5	1 2		1.0P	*100* 19
		2			
		2 4		2.7B	*105* 18
		4			
		3 4		2.3P	*106* 22
		2			
	-10	3 4		3.5P	*109* 21
		2			
		2 4		3.8P	17
		3			
		3 12		4.0P	*104* 18
		3			
		5 9		4.5P	*116* 17
	-15	4			
		7 9		3.3P	*107* 18
		4			
		6 10		4.0P	*105* 22
		4			*106*
	-20	6 11		3.1B	23
		5			
		8 9		3.4B	17
		3			*107*
	-25	7 10		4.3P	16
		4			*105*
Silty CLAY-some topsoil -brown and black- hard (CL) - Fill		8 12		5.0B	19
Silty CLAY-trace sand, gravel and topsoil -brown-stiff to hard (CL) - Fill		4			*101*
	-30	8 11		4.0P	19

BORING NO. B-2 Continued		N	R in	Qu tsf	W %
Silty CLAY-trace sand, gravel and topsoil -brown-stiff to hard (CL) - Fill		6			
		9 12		1.8P	19
Silty CLAY-trace to some topsoil-brown and black- very stiff (CL)- Fill		2			
	-35	4 8		2.5P	27
Well graded clayey SAND -some gravel, trace topsoil-brown and gray-medium(SC) -Possible Fill		3			
		4 3		NP	10
Clayey Silt-trace sand -gray-very stiff (ML)		3			*130*
	-40	4 12		3.0P	17
Clayey SAND-trace gravel-gray-medium (SC)		6			
		9 9		NP	10
Clayey SAND-some silt and gravel-gray-loose (SC-SM)		2			
	-45	3 5		NP	18
Well graded clayey SAND -trace gravel-gray-medium (SC)		5			
		8 12		NP	18
Well graded clayey SAND & GRAVEL-gray-medium to dense (SC)		1			
	-50	5 9		NP	13
		8			
		12 38		NP	8
		17			
	-55	25 25		NP	10
End of Boring Refusal at -59.5' (Apparent Bedrock) Water Level: 8.0' acr		No Sample			
	-60	No Sample			

N - Standard Penetration Test (ASTM D-1586)

R - Recovery in inches

Type Failure

B-Bulge Failure

E-Estimated Value

S-Shear Failure

P-Penetrometer

Qu-Unconfined Compressive Strength (tsf)

W-Water Content, percent dry weight

Unit wt. (pcf) noted italics above Water Content

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FILE NAME =	USER NAME = rdenley	DESIGNED - BWS	REVISED -
Clorba Group, Inc. CONSULTING ENGINEERS 5002 West Dempster Avenue Skokie, Illinois 60077 Tel 773.775.6000 Fax 773.775.6014 Email chicago@clorba.com		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-27 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	215
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			