BORING LOG 31B-1

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Page 1 of 1

WEI Job No.: 201-33-01
Client: McDonough Associates, Inc.
Project: McLean Blvd / New Stearns Rd
Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 710.77 ft · North: 1933533.00 ft · East: 987827.00 ft · Station: 181+72.3 · Offset: 27.3 RT

Elevation (ft)	Soil and Rock Description
710.3	6-inch thick CRUSHED STONE --SHOULDER AGGREGATE--
709.8	Loose, brown SANDY LOAM --FILL--
704.3	Stiff to hard, brown and gray CLAY --FILL--
700.8	Stiff to very stiff, gray CLAY LOAM to CLAY --BURIED TOPSOIL--
	Boring terminated at 10.00 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	2, 3, 4, 5	4.00 P	17
2	3, 4, 6, 6	1.15 P	24
3	2, 4, 6, 11	3.00 P	17
4	2, 2, 5, 5	2.00 P	21
5	5, 4, 4, 5	1.56 S	26

GENERAL NOTES
Begin Drilling 03-10-2008 · Complete Drilling 03-10-2008
Drilling Contractor WEI · Drill Rig Diedrich D-50
Driller G & R · Logger K. Jacob · Checked by H. Suhail
Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG 31B-2

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 713.59 ft · North: 1933688.00 ft · East: 986081.00 ft · Station: 184+66.5 · Offset: 24.8 LT

Elevation (ft)	Soil and Rock Description
713.3	3-inch thick CRUSHED STONE --SHOULDER AGGREGATE--
712.8	Black SILTY CLAY LOAM
712.1	Stiff, brown CLAY
707.6	Very dense, brown LIMESTONE --WEATHERED BEDROCK-- --Auger Refusal @6.0'--
	Boring terminated at 6.00 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	2, 3, 5, 50/4	1.50 P	
2	50/3	NP	5
3	60/5	NP	8
4	50/0	---	

GENERAL NOTES
Begin Drilling 03-12-2008 · Complete Drilling 03-12-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by H. Suhail · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

BORING LOG 31B-3

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 713.32 ft · North: 1933690.00 ft · East: 988385.00 ft · Station: 187+64.8 · Offset: 27.1 RT

Elevation (ft)	Soil and Rock Description
712.8	6-inch thick, brown SANDY LOAM --TOPSOIL--
709.8	Very stiff, black and gray SILTY CLAY to CLAY LOAM with roots
709.1	Very dense, brown LIMESTONE --WEATHERED BEDROCK--
	Boring terminated at 4.25 ft
	--Auger Refusal @4.25'--

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	2, 3, 3, 5	3.00 P	18
2	2, 6, 50/3	3.00 P	24
3	50/3	---	1

GENERAL NOTES
Begin Drilling 03-10-2008 · Complete Drilling 03-10-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by H. Suhail · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

BORING LOG 31B-4

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 714.58 ft · North: 1933778.00 ft · East: 988675.00 ft · Station: 190+65.3 · Offset: 11.9 LT

Elevation (ft)	Soil and Rock Description
713.9	7-inch thick ASPHALT --PAVEMENT--
713.5	6-inch thick CRUSHED STONE --BASE COURSE--
710.4	Medium stiff to stiff, black and gray CLAY with sandy loam topsoil --FILL--
709.4	Dense, brown LIMESTONE --WEATHERED BEDROCK-- --Auger Refusal @5.0'--
	Boring terminated at 5.20 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	6, 6, 3, 5	0.75 P	20
2	2, 2, 50/5	1.00 P	3
3	50/2	NP	5

GENERAL NOTES
Begin Drilling 03-11-2008 · Complete Drilling 03-11-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by J. Kasnick · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

BORING LOG 31B-5

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 714.66 ft · North: 1933802.00 ft · East: 988973.00 ft · Station: 193+63.5 · Offset: 13.4 RT

Elevation (ft)	Soil and Rock Description
713.8	10-inch thick ASPHALT --PAVEMENT--
713.2	Medium dense, black and brown SANDY LOAM --FILL--
712.4	Medium stiff, black, brown and gray SANDY CLAY --FILL--
711.5	Dense, brown LIMESTONE --WEATHERED BEDROCK-- --Auger Refusal @3.0'--
	Boring terminated at 3.20 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	5, 5, 50/4	NP	10
2	50/2	NP	

GENERAL NOTES
Begin Drilling 03-11-2008 · Complete Drilling 03-11-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by J. Kasnick · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

BORING LOG 31B-6

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 715.99 ft · North: 1933834.00 ft · East: 989268.00 ft · Station: 196+58.9 · Offset: 18.4 LT

Elevation (ft)	Soil and Rock Description
714.7	12-inch thick ASPHALT over 4-inch thick CRUSHED ASPHALT --PAVEMENT--
714.0	8-inch thick CRUSHED STONE --BASE COURSE--
711.5	Stiff to very stiff, brownish black CLAY to SILTY CLAY with gravel lens --FILL--
708.9	Dense, brown LIMESTONE --WEATHERED BEDROCK-- --Auger Refusal @7.0'--
	Boring terminated at 7.10 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	33, 10, 8, 6	2.50 P	6
2	10, 25, 50/5	1.00 P	7
3	50/2	NP	
4	50/1	NP	

GENERAL NOTES
Begin Drilling 03-12-2008 · Complete Drilling 03-12-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by H. Suhail · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

BORING LOG 31B-7

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 717.16 ft · North: 1933742.00 ft · East: 989558.00 ft · Station: 199+59.9 · Offset: 19.8 RT

Elevation (ft)	Soil and Rock Description
716.7	5-inch thick CRUSHED STONE --SHOULDER AGGREGATE--
716.2	6-inch thick, stiff, gray CLAY --TOPSOIL--
713.9	Stiff to very stiff, black to gray CLAY to SILTY CLAY
711.1	Dense, brown LIMESTONE --WEATHERED BEDROCK-- --Auger Refusal @6.0'--
	Boring terminated at 6.10 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	6, 5, 4, 4	2.13 B	16
2	3, 3, 50/4	1.80 B	31
3	50/1	NP	
4	50/1	NP	

GENERAL NOTES
Begin Drilling 03-12-2008 · Complete Drilling 03-12-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by H. Suhail · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

BORING LOG 31B-8

Page 1 of 1 · WEI Job No.: 201-33-01 · Client: McDonough Associates, Inc. · Project: McLean Blvd / New Stearns Rd · Location: Sec. 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD · Elevation: 719.25 ft · North: 1933727.00 ft · East: 989865.00 ft · Station: 202+65.3 · Offset: 17.8 LT

Elevation (ft)	Soil and Rock Description
718.5	9-inch thick, brown SILTY CLAY LOAM --TOPSOIL--
715.7	Soft to stiff, brown CLAY to SILTY CLAY
714.7	Loose, brown SAND to SANDY LOAM
713.0	Dense, brown LIMESTONE --WEATHERED BEDROCK-- --Auger Refusal @6.0'--
	Boring terminated at 6.20 ft

Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1	1, 3, 3, 5	0.57 B	22
2	2, 3, 4, 6	1.80 B	23
3	50/5	NP	26
4	50/2	NP	3

GENERAL NOTES
Begin Drilling 03-12-2008 · Complete Drilling 03-12-2008 · Drilling Contractor WEI · Drill Rig Diedrich D-50 · Driller G & R · Logger K. Jacob · Checked by H. Suhail · Drilling Method 3.25" ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA
While Drilling DRY · At Completion of Drilling DRY · Time After Drilling NA · Depth to Water NA

FILE NAME = I:\Dgn\Civil\Sheet\Boring Sheets\sb005.dgn
USER NAME = tthornton · PLOT SCALE = 1:1 · PLOT DATE = 3/29/2009
DESIGNED - · DRAWN - · CHECKED - · DATE - 3/27/09
REVISED - · REVISED - · REVISED - · REVISED -

KANE COUNTY DIVISION OF TRANSPORTATION

NEW STEARNS ROAD - STAGE 2
SOIL BORING LOGS

SCALE: · SHEET NO. OF SHEETS · STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-10-BR	KANE	219	175

CONTRACT NO. 63073
FED. ROAD DIST. NO. 1 · ILLINOIS · FED. AID PROJECT