BORING LOG SRB-02

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 742.91 ft
North: 1934808.33 ft
East: 889899.56 ft
Station: 521+00.00
Offset: 20.00 LT

MCW
PWN
MEK

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
6-inch thick, black and brown SILTY CLAY LOAM						
Stiff to very stiff, black, brown and gray SILTY CLAY to CLAY LOAM, trace gravel			1	3 6 8	2.46 S	17
3-inch thick asphalt at the bottom			2	4 5 5	3.03 B	17
--FILL--	5		3	4 4 6	1.75 P	21
			4	7 12 17 20	2.87 B	16
			5	4 6 8 9	1.50 P	12
Medium stiff to stiff, black, brown and gray CLAY to SILTY CLAY, trace gravel, with asphalt pieces	1.24					
--FILL--			6	5 4	1.00 P	22
	15		7	2 4 6	0.98 B	19
			8	2 3 5	0.66 B	16
	20		9	2 4 14	0.66 B	19
Boring terminated at 20.00 ft	22.5					
	25					

GENERAL NOTES

Begin Drilling: 05-01-2008 Complete Drilling: 05-01-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & R Logger: K. Jacob Checked by: J. Kasnick
Drilling Method: 2.25"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.

BORING LOG SRB-03

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 739.51 ft
North: 1934745.93 ft
East: 890497.50 ft
Station: 526+00.00
Offset: 20.00 RT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
12-inch thick, black and brown SILTY CLAY LOAM						
--TOPSOIL--			1	1 3 3	0.90 P	27
Medium stiff to stiff, black, brown and gray CLAY to SILTY CLAY, trace gravel, wood and organic matter			2	3 3 3	1.64 B	20
--FILL--	5		3	3 4 4	0.82 B	25
			4	7 8 4	0.98 B	15
			5	2 3 3	1.00 P	19
	10		6	2 3 4	1.00 P	27
			7	2 3 3	1.25 P	22
	15		8	2 4 4	NP	10
Loose, brown LOAM to SANDY LOAM, trace gravel	21.8					
--FILL--			9	3 3 5	NP	9
Soft to medium stiff, brown CLAY to CLAY LOAM, trace organics	20					
--FILL--	23.6		10	2 1 2	0.33 B	18
Very loose, brown LOAM						
--FILL--	25		11	1 1 0	NP	15

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
Medium stiff, black, brown and gray SANDY CLAY with sand interbeds, trace gravel	734.0					
--FILL--			12	2 3 4	0.75 P	11
	729.5		13	3 4 4	0.68 B	14
Boring terminated at 30.00 ft	30					
	36					
	40					
	45					
	50					

GENERAL NOTES

Begin Drilling: 05-02-2008 Complete Drilling: 05-02-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & R Logger: K. Jacob Checked by: J. Kasnick
Drilling Method: 2.25"ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ 23.00 ft
At Completion of Drilling: ▼ 20.00 ft
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG SRB-04

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 733.82 ft
North: 1934778.23 ft
East: 891165.85 ft
Station: 532+63.46
Offset: 39.82 LT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
18-inch thick, black and brown SILTY CLAY LOAM	733.2					
--TOPSOIL--			1	4 6 4	2.13 B	19
Soft to stiff, black, brown and gray CLAY, trace gravel, roots and organic matter			2	2 2 2	0.90 B	22
--FILL--	5		3	1 2 3	0.49 B	23
			4	1 2 3	0.41 B	21
	10		5	1 2 3	0.49 B	22
			6	2 2 4	1.15 B	23
Stiff, brown and gray CLAY LOAM, trace gravel	15		7	3 3 5	1.23 B	13
--FILL--	17.8					
Soft to medium stiff, black, brown and gray CLAY to CLAY LOAM, trace gravel and sand seams, trace brick			8	2 3 3	0.49 B	15
--FILL--	20		9	2 3 4	0.66 B	24
			10	2 2 3	0.41 B	14
Loose, brown, medium to coarse SAND, with medium stiff, brown clay lens	713.8					
--FILL--	25		11	3 3 3	NP	13

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	739.3					
Boring terminated at 27.50 ft	30					
	35					
	40					
	45					
	50					

GENERAL NOTES

Begin Drilling: 05-02-2008 Complete Drilling: 05-02-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & R Logger: K. Jacob Checked by: J. Kasnick
Drilling Method: 2.25"ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ 23.00 ft
At Completion of Drilling: ▼ 24.50 ft
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG SRB-05

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 752.70 ft
North: 1934715.54 ft
East: 891697.25 ft
Station: 537+99.99
Offset: 1.00 RT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
12-inches thick, black CLAY LOAM	752.7					
--TOPSOIL--			1	2 4 4	1.23 P	25
Stiff, dark brown and brown CLAY	749.7					
Medium dense, brown, gravelly SAND			2	5 6 6	NP	5
	5		3	5 6 9	NP	3
			4	5 6 11	NP	3
	10		5	6 8 8	NP	4
			6	7 10 10	NP	3
	15		7	7 11 11	NP	3
Medium dense, brown and gray SANDY GRAVEL	737.2					
Medium dense, brown SILT	734.7		8	6 7 9	NP	20
	20					
Medium dense, brown, fine to coarse SAND	732.2		9	11 13 16	NP	3
	25		10	6 13 16	NP	3

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
Boring terminated at 25.00 ft						
	30					
	35					
	40					
	45					
	50					

GENERAL NOTES

Begin Drilling: 04-22-2008 Complete Drilling: 04-22-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & J Logger: S. Sugiarto Checked by: J. Kasnick
Drilling Method: 2.25"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.

BORING LOG SRB-06

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 752.02 ft
North: 1934710.38 ft
East: 891847.16 ft
Station: 539+53.00
Offset: 0.00 LT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
7-inches thick, black CLAY LOAM	751.9					
--TOPSOIL--			1	3 3 5	1.50 P	28
Stiff to very stiff, brown CLAY			2	3 4 5 5	2.05 B	22
	5		3	4 6 10 11	NP	6
			4	6 10 10 12	NP	4
	10		5	6 11 18 22	NP	4
Medium dense, brown, sandy GRAVEL	741.5		6	7 10 12	NP	4
Medium dense, brown GRAVELLY SAND	739.0		7	13 18 28	NP	3
	15		8	6 13 16	NP	4
			9	8 10 8	NP	25
Medium dense, brown SILT with clay interbeds	729.0					
	20		10	3 3 5	NP	23
	25		11	4 5 10	NP	18

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	722.9					
Boring terminated at 30.00 ft	30					
	35					
	40					
	45					
	50					

GENERAL NOTES

Begin Drilling: 04-22-2008 Complete Drilling: 04-22-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & J Logger: S. Sugiarto Checked by: J. Kasnick
Drilling Method: 2.25"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.

BORING LOG SRB-07

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 750.71 ft
North: 1934706.58 ft
East: 891988.16 ft
Station: 540+91.01
Offset: 1.99 LT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
12-inch thick, black CLAY LOAM	750.7					
Very stiff, dark brown CLAY, trace woods	749.2		1	2 4 6	3.28 B	22
Medium dense, brown, fine to coarse sand, trace to some gravel			2	5 5 6	NP	6
	5		3	3 7 14	NP	5
Medium dense to dense, brown GRAVELLY SAND	743.7		4	8 14 17	NP	4
	10		5	9 22 24	NP	4
			6	10 10 10	NP	3
	15		7	8 11 11	NP	2
Medium dense, medium to coarse SAND, trace gravel	735.7		8	5 9 14	NP	3
	20					
Medium dense, brown SILT, with interbeded clay layers	730.7		9	6 11 13	NP	24
	25		10	2 6 8	NP	25

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
Boring terminated at 25.00 ft						
	30					
	35					
	40					
	45					
	50					

GENERAL NOTES

Begin Drilling: 04-23-2008 Complete Drilling: 04-23-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & R Logger: S. Sugiarto Checked by: J. Kasnick
Drilling Method: 2.25"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.

BORING LOG SRB-08

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 751.83 ft
North: 1934611.92 ft
East: 892255.98 ft
Station: 544+00.00
Offset: 20.00 RT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
14-inch thick, dark brown LOAM	751.1					
--TOPSOIL--			1	2 4 6	2.50 P	16
Very stiff, dark brown gravelly CLAY	750.1					
--FILL--			2	7 5 8 8	NP	19
Medium dense, dark brown and black SANDY LOAM, little bricks, woods and gravel	747.2					
--FILL--	5		3	2 3 11 12	1.00 P	26
Stiff, black SILTY CLAY CLAY --BURRIED TOPSOIL--	744.7					
Stiff, black and gray CLAY, trace to little organics			4	4 5 8 8	NP	4
Medium dense, brown, medium SAND	741.7					
Medium stiff, brown SILTY CLAY LOAM (Qu = 0.5 P)	739.7		5	1 2 2 9	NP	26
Loose, brown SILT	10					
Dense, brown, fine to coarse SAND	732.7		6	5 11 23 26	NP	5
	730.6					
Boring terminated at 12.00 ft	15					
	20					
	25					

GENERAL NOTES

Begin Drilling: 04-23-2008 Complete Drilling: 04-23-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & R Logger: S. Sugiarto Checked by: J. Kasnick
Drilling Method: 2.25"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.

BORING LOG SRB-09

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WEI Job No.: 707-11-01
Client: Baker Engineering, Inc.
Project: New Stearns Road over Fox River
Location: Sec. 2 and 3, T 40 N, R 8 E of Geneva Quadrangle

Datum: NGVD
Elevation: 739.28 ft
North: 1934695.35 ft
East: 892597.74 ft
Station: 546+99.91
Offset: 20.00 LT

SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
12-inch thick, black CLAY LOAM, some gravel	739.3					
--TOPSOIL--			1	5 6 6	2.00 P	13
Medium stiff to very stiff, black, dark brown and gray CLAY, little to trace gravel, trace organics	736.3		2	3 3 5	0.75 P	25
--FILL--						
Soft to medium stiff, black, dark brown and gray CLAY	734.3		3	1 2 2	0.75 P	19
--FILL--	5		4	3 2 3 3	0.25 P	23
Medium stiff, black SILTY CLAY LOAM	732.8		5	1 2 3 4	0.75 P	26
--BURRIED TOPSOIL--	731.3					
Soft, black and gray CLAY with sand lens	10		6	2 4 5 6	0.25 P	19
Very stiff, brown and gray CLAY	718.8		7	2 6 8 20	2.00 P	18
Boring terminated at 14.00 ft	15					
	20					
	25					

GENERAL NOTES

Begin Drilling: 04-23-2008 Complete Drilling: 04-23-2008
Drilling Contractor: WEI Drill Rig: Diedrich D-50 TMR
Driller: G & R Logger: S. Sugiarto Checked by: J. Kasnick
Drilling Method: 2.25"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.

FILE NAME = SBL_070799_01.SHT	USER NAME = GTINE	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS
		DRAWN		REVISED	-		
	PLOT SCALE = 22'	CHECKED		REVISED	-		
	PLOT DATE = 1/14/2009	DATE	01/16/09	REVISED	-		

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	231
		CONTRACT NO. 63075		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		