Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

BORING LOG

Sheet 1 of 4

Client: Willet, Hofmann & Associates., Inc.
Project Name: Manlius Twp Section 08-15119-00-BR Over Hickory Creek
Project Site: Bureau County, Illinois

Boring No. B-1
Surface Elev. 100.00
Auger Depth 66'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

Location: 29' South of center of Bridge and 6' East of Centerline

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
100.00										
99.00	Aggregate	1								
98.00		2								
97.00	Medium Dense Brown Gravely Loam Fill	3	1	SS	---	17	---	10		
96.00		4								
95.00		5	2	SS	---	16	---	9		
94.00		6								
93.00		7								
92.00	Stiff Black/Brown Silty Clay Fill	8	3	SS	1.0	11	S	20		
91.00		9								
90.00		10	4	SS	1.0	10	S	19		
89.00		11								
88.00		12								
87.00		13	5	SS	0.9	9	B/S	20		← First Water
86.00		14								
85.00	Loose Gray Silt & Fine Sand	15	6	SS	---	7	---	21		
84.00		16								
83.00		17								
82.00	Medium Dense Brown/Gray Sand & Gravel	18	7	SS	---	14	---	10		
81.00		19								
80.00		20	8	SS	---	16	---	10		

Groundwater Data: Static water level after auger removal 13' depth.
Comments: ***Center of bridge deck assumed 100.0.***

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BORING LOG

Sheet 2 of 4

Client: Willet, Hofmann & Associates., Inc.
Project Name: Manlius Twp Section 08-15119-00-BR Over Hickory Creek
Project Site: Bureau County, Illinois

Boring No. B-1
Surface Elev. 100.00
Auger Depth 66'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

Location: 29' South of center of Bridge and 6' East of Centerline

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
79.00										
78.00		22								
77.00		23	9	SS	---	19	---	---		
76.00		24								
75.00		25								
74.00		26	10	SS	---	24	---	---		
73.00		27								
72.00		28								
71.00		29								
70.00	Medium Dense Brown/Gray Sand & Gravel	30								
69.00		31	11	SS	---	19	---	---		
68.00		32								
67.00		33								
66.00		34								
65.00		35								
64.00		36	14	SS	---	20	---	---		
63.00		37								
62.00		38								
61.00		39								
60.00		40								
59.00		41	12	SS	---	20	---	---		

Groundwater Data: Static water level after auger removal 13' depth.
Comments: ***Center of bridge deck assumed 100.0.***

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BORING LOG

Sheet 3 of 4

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Project Site: Bureau County, Illinois

Boring No. B-1
Surface Elev. 100.00
Auger Depth 66'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

Location: 29' South of center of Bridge and 6' East of Centerline

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
58.00										
57.00		43								
56.00		44								
55.00		45								
54.00		46	13	SS	---	21	---	---		
53.00	Medium Dense Brown/Gray Fine Sand	47								
52.00		48								
51.00		49								
50.00		50								
49.00		51	14	SS	---	20	---	---		
48.00		52								
47.00		53								
46.00		54								
45.00	Medium Dense Gray Silt	55								
44.00		56	15	SS	---	26	---	14		
43.00		57								
42.00		58								
41.00	Medium Dense Brown/Gray Coarse Gravel	59								
40.00		60								
39.00		61	16	SS	---	24	---	---		
38.00		62								

Groundwater Data: Static water level after auger removal 13' depth.
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Sheet 4 of 4

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(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
37.00										
36.00	Medium Dense Brown/Gray Coarse Gravel	64								
35.00		65								
34.00	Dense Brown/Gray Cobbles	66	17	SS	---	34	---	---		
33.00		67								
32.00		68								
31.00		69								
30.00		70								
29.00		71								
28.00		72								
27.00		73								
26.00		74								
25.00		75								
24.00		76								
23.00		77								
22.00		78								
21.00		79								
20.00		80								
19.00		81								
18.00		82								
17.00		83								

Auger Refusal Bottom of Boring

Groundwater Data: Static water level after auger removal 13' depth.
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BORING LOG

Sheet 1 of 4

Client: Willet, Hofmann & Associates., Inc.
Project Name: Manlius Twp Section 08-15119-00-BR Over Hickory Creek
Project Site: Bureau County, Illinois

Boring No. B-2
Surface Elev. 100.17
Auger Depth 71'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

Location: 32' North of center of Bridge and 5' West of Centerline

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
100.17										
99.17	Aggregate	1								
98.17		2								
97.17	Medium Dense Brown Gravel Fill	3	1	SS	---	15	---	9		
96.17		4								
95.17		5	2	SS	---	16	---	8		
94.17		6								
93.17	Medium Dense Brown Gravely Loam Fill	7	3	SS	---	14	---	16		
92.17		8								
91.17	Medium Stiff Black/Brown Gravely Loam	9								
90.17		10	4	SS	---	6	---	18		
89.17		11								
88.17		12								
87.17		13	5	SS	0.9	6	---	11		← First Water
86.17		14								
85.17	Loose Gray Fine Sand	15								
84.17		16	6	SS	---	6	---	10		
83.17		17								
82.17		18	7	SS	---	7	---	10		
81.17		19								
80.17		20	8	SS	---	9	---	9		

Groundwater Data: Static water level after auger removal 13' depth.
Comments: ***Center of bridge deck assumed 100.0.***

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BORING LOG

Sheet 2 of 4

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Project Site: Bureau County, Illinois

Boring No. B-2
Surface Elev. 100.17
Auger Depth 71'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

Location: 32' North of center of Bridge and 5' West of Centerline

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
79.17										
78.17		22								
77.17		23	9	SS	---	17	---	---		
76.17	Medium Dense Brown/Gray Sand & Gravel	24								
75.17		25								
74.17		26	10	SS	---	19	---	---		
73.17		27								
72.17		28								
71.17		29								
70.17	Dense Brown/Gray Cobbles	30								
69.17		31	11	SS	---	36	---	---		
68.17		32								
67.17		33								
66.17		34								
65.17		35								
64.17	Medium Dense Brown/Gray Sand & Gravel	36	14	SS	---	24	---	---		
63.17		37								
62.17		38								
61.17		39								
60.17		40								
59.17		41	12	SS	---	22	---	---		

Groundwater Data: Static water level after auger removal 13' depth.
Comments: ***Center of bridge deck assumed 100.0.***

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Sheet 3 of 4

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Project Site: Bureau County, Illinois

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Auger Depth 71'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

Location: 32' North of center of Bridge and 5' West of Centerline

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
58.17										
57.17		43								
56.17		44								
55.17		45								
54.17		46	13	SS	---	21	---	---		
53.17		47								
52.17		48								
51.17	Medium Dense Brown/Gray Sand & Gravel	49								
50.17		50								
49.17		51	14	SS	---	21	---	---		
48.17		52								
47.17		53								
46.17		54								
45.17		55	15	SS	---	22	---	---		
44.17		56								
43.17		57								
42.17		58								
41.17		59								
40.17		60								
39.17		61	16	SS	---	24	---	---		
38.17		62								

Groundwater Data: Static water level after auger removal 13' depth.
Comments: ***Center of bridge deck assumed 100.0.***

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BORING LOG

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Auger Depth 71'
Start Date 01/12/11
Rotary Depth NA
Finish Date 01/12/11

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DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
37.17										
36.17	Medium Dense Brown/Gray Sand & Gravel	64								
35.17		65								
34.17		66	18	SS	---	22	---	---		
33.17		67								
32.17		68								
31.17		69								
30.17	Hard Gray Silty Clay Till	70								
29.17		71	19	SS	4.0	30	S	10		
28.17		72								
27.17		73								
26.17		74								
25.17		75								
24.17		76								
23.17		77								
22.17		78								
21.17		79								
20.17		80								
19.17		81								
18.17		82								
17.17		83								

Bottom of Boring

Groundwater Data: Static water level after auger removal 13' depth.
Comments: ***Center of bridge deck assumed 100.0.***

FILE = S:\PROJECTS\2010\1287010_BureauCo_TWP&XBES\CONSTRUCTN\Drawings\1287010_Borings.dgn

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-784-3381 DESIGN FIRM: #184-000918

DESIGNED	MICHAEL WAGNER	REVISED –
CHECKED	BRIAN CONVERSE	REVISED –
DRAWN	RON ALLEN	REVISED –
CHECKED	MEGAN CACKLEY	REVISED –

BUREAU COUNTY
T.R. 106 (850 E. ST.) OVER HICKORY CREEK
STATION 20+00

BORING LOGS
STRUCTURE NO. 006-4218
STRUCTURAL SHEET NO. 9 OF 9 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	08-15119-00-BR	BUREAU	18	15
	WHA* 1287010	CONTRACT NO. 87523		
	ILLINOIS FED. AID PROJECT BROS-0011(086)			