ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 165	05-18109-00-BR	WAYNE	14	11
ORCHARD ROAD DISTRICT		ILLINOIS		

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax
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Bridge Foundation Boring Log

Project: 11108 Bridge TR 165 Over Poplar Creek
Section: 05-18109-00-BR Station
Structure:
County: Wayne
Date: 6/16/2011
Bored by: B. Schwartz
Checked By: T. Holcomb

Boring No: 1
Station: 4+25
Offset: ℄

Surface Water Elev.
Ground Water Elev. During Drilling 452.8
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface	460.8			
2" A-3 Surface over 8" gravel and clay mix	0			
Brown Mottled Gray Clayey SAND (A-2-4)	456.8	5	0.75	13
Gray Mottled Brown Silty CLAY (A-6)	-5	4	1.55	19
Brown Mottled Gray Clayey SAND (A-2-4)	454.3	2	0.28	22
Gray Clayey SAND (A-2-4)	451.8	2	0.48	23
Brown Sandy CLAY (A-6)	-10	3	0.58	24
Gray Clayey SAND (A-2-4)	449.3	4	0.38	21
Gray Sandy CLAY (A-6)	446.8	1	0.48	26
Gray Silty CLAY (A-6)	-15	0	0.78	28
Gray Clayey SAND (A-2-4)	444.3	>	0.38	24
Clayey sand (continued)	-25	2	--	23
Gray Silty CLAY (A-6)	434.3	3	1.08	26
Gray Clayey SAND to SAND (A-2-4)	431.8	7	--	21
Gray Silty CLAY (A-6) with sand and	426.8	17	3.58	14
	-40	15	2.88	15

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%
B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

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Bridge Foundation Boring Log

Project: 11108 Bridge TR 165 Over Poplar Creek
Section: 05-18109-00-BR Station
Structure:
County: Wayne
Date: 6/16/2011
Bored by: B. Schwartz
Checked By: T. Holcomb

Boring No: 1
Station: 4+25
Offset: ℄

Surface Water Elev.
Ground Water Elev. During Drilling 452.8
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
silty clay (continued)	-45	16	2.78	16
	-50	11	1.69	18
Gray Clayey SAND (A-2-4)	406.8	27	--	20
Gray Silty CLAY (A-6) with sand	-60	12	2.48	18
Gray Mottled Brown Silty CLAY (A-6) with sand and pebbles	396.8	17	3.68	19
	-65			
silty clay (continued)	-70	13	2.38	23
Gray Fine to Medium SAND (A-2-4)	387.8	0	--	28
	-75			
	-80	11	--	21
	-85			
Gray SHALE	372.3	100/3"	--	14

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
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Bridge Foundation Boring Log

Project: 11108 Bridge TR 165 Over Poplar Creek
Section: 05-18109-00-BR Station
Structure:
County: Wayne
Date: 6/16/2011
Bored by: B. Schwartz
Checked By: T. Holcomb

Boring No: 1
Station: 4+25
Offset: ℄

Surface Water Elev.
Ground Water Elev. During Drilling 452.8
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
shale (continued)	-90			
	366.8	100/4"	2.35	15
End of Boring @ -94.0'		100/4"	--	14
	-120			
	-125			
	-130			
	-135			

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
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B = Bulge Failure
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Page 1 of 3

Bridge Foundation Boring Log

Project: 11108 Bridge TR 165 Over Poplar Creek
Section: 05-18109-00-BR Station
Structure:
County: Wayne
Date: 6/17/2011
Bored by: B. Schwartz
Checked By: T. Holcomb

Boring No: 2
Station: 3+83
Offset: 1' Lt

Surface Water Elev.
Ground Water Elev. During Drilling 451.6
Upon Completion 452.6

Description	Elevation	N	Qu tsf	w %
Ground Surface	460.6			
2" A-3 Surface over 8" gravel and clay mix	0			
Brown Mottled Gray Silty CLAY (A-6)	456.6	8	1.65	12
Brown Sandy SILT (A-4)	-5	3	1.15	21
Brown Mottled Gray Fine to Medium SAND (A-2-4)	454.1	4	--	13
Brown Mottled Gray Silty CLAY (A-6) with sand	-10	4	--	21
Gray Mottled Brown Silty CLAY (A-6)	449.1	3	1.28	24
Gray Silty CLAY to CLAY (A-7-6)	446.6	3	1.28	26
	-15			
	444.1	3	1.38	26
	-20	3	1.48	26
		1	1.08	24
clay (continued)	-25	5	1.78	27
		2	0.88	25
Gray Clayey SAND (A-2-4)	431.6	12	--	17
Gray Silty CLAY (A-6) with sand and pebbles	426.6	15	3.58	14
	-35			
	-40	18	2.88	15

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu-Unconfined Compressive Strength in tons/sq.ft.
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Bridge Foundation Boring Log

Project: 11108 Bridge TR 165 Over Poplar Creek
Section: 05-18109-00-BR Station
Structure:
County: Wayne
Date: 6/17/2011
Bored by: B. Schwartz
Checked By: T. Holcomb

Boring No: 2
Station: 3+83
Offset: 1' Lt

Surface Water Elev.
Ground Water Elev. During Drilling 451.6
Upon Completion 452.6

Description	Elevation	N	Qu tsf	w %
silty clay (continued)	-45	19	3.58	15
	-50	19	2.18	16
	-55	5	1.28	18
Brown Clayey SILT to SILT (A-4)	401.6	21	2.35	51
Gray Mottled Brown Silty CLAY (A-6)	-60	22	3.18	19
	-65			
silty clay (continued)	-70	21	3.85	21
Gray Clayey SAND (A-2-4)	386.6	0	--	27
Gray Fine to Medium SAND (A-2-4)	381.6	0	--	29
	-75			
	-80			
	-85			
Gray SHALE	372.1	100/3"	--	12

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
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Structure:
County: Wayne
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Checked By: T. Holcomb

Boring No: 2
Station: 3+83
Offset: 1' Lt

Surface Water Elev.
Ground Water Elev. During Drilling 451.6
Upon Completion 452.6

Description	Elevation	N	Qu tsf	w %
shale (continued)	-90			
	366.6	100/4"	--	12
End of Boring @ -94.0'		100/4"	--	11
	-120			
	-125			
	-130			
	-135			

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
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w-Water Content-percentage of oven dry weight-%
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ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

BORING LOGS
STRUCTURE NO. 096-3458
T.R. 165
OVER POPLAR CREEK
SECTION 05-18109-00-BR
WAYNE COUNTY
STATION 4+05.00