

PROJECT **County Highway 8 over RR/Canal Bridge, 1400 North Avenue, Wyanet, IL**
 CLIENT **Willett, Hofmann and Associates, Inc., Dixon, Illinois**
 BORING **1** DATE STARTED **4-28-09** DATE COMPLETED **4-28-09** JOB **L-73,147**



ELEVATIONS
 GROUND SURFACE **604.2**
 END OF BORING **544.2**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **15.5'**
 AT END OF BORING **Wash Boring**
 24 HOURS

LENGTH RECOVERY	SAMPLE NO.	TYPE	N	WC	QU	Y DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
	1	SS	14	8.1		1.3	602.9	FILL - SAND and GRAVEL
	2	SS	9	17.0	2.0"	3.5	600.7	FILL - Gray, black and dark brown silty SAND, trace gravel, little cinders, moist (SM)
	3	SS	5	18.1		6.0	598.2	FILL - Light brown and black silty CLAY, little sand and cinders, trace organic, trace clay, moist (CL)
	4	SS	3	16.1				FILL - Black silty SAND and CINDERS, trace clay, moist
	A 5 B	SS	6	8.1 13.9	2.26"	11.0 12.0	593.2 592.2	FILL - Orange-brown fine SAND, trace silt, moist (SP)
	6	SS	5	13.1	2.0"	12.5		FILL - Pinkish-gray very silty CLAY, little sand, occasional sand seams, moist (CL)
	7	SS	4	28.5	1.25"	16.0	588.2	Tough light gray and gray very silty CLAY, trace to little sand, very moist (CL) [Possible Fill]
	8	SS	6	36.9	0.5"	16.5	585.7	Soft black and dark gray silty CLAY, trace sand, trace to little organic, occasional sand seams, very moist (CL)
	A 9 B	SS	7	32.5	0.5"	21.5	582.7	Loose to firm light gray silty medium to fine SAND, trace gravel, wet (SM)
	10	SS	11					
	11	SS	16	12.5	3.0"	26.0	578.2	
	12	SS	23	11.4	4.60 3.75"			Very tough to hard pinkish-gray silty CLAY and very silty CLAY layers, little to some sand, trace gravel, occasional silt and sand seams, moist (CL/CL-ML)
	13	SS	22	10.3	4.5"			

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

DRILL RIG NO. **334** End of Boring at 60.0' Page 1 of 2

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 GROUND SURFACE **604.2**
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 WHILE DRILLING **15.5'**
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LENGTH RECOVERY	SAMPLE NO.	TYPE	N	WC	QU	Y DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
	14	SS	25	11.1	3.0"			Very tough to hard pinkish-gray silty CLAY and very silty CLAY layers, little to some sand, trace gravel, occasional silt and sand seams, moist (CL/CL-ML)
	15	SS	62	19.8		43.6	566.7	Very dense light gray clayey SILT, trace to little fine sand, very moist to wet (ML)
	16	SS	25	12.1	4.5"	48.6	555.7	
	17	SS	22	12.5	4.0"			Hard gray very silty CLAY, trace to little sand, trace gravel, occasional sand seams, moist (CL)
	18	SS	25	12.1	4.5"			* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

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DRILL RIG NO. **334** End of Boring at 60.0' Page 2 of 2

PROJECT **County Highway 8 over RR/Canal Bridge, 1400 North Avenue, Wyanet, IL**
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 BORING **2** DATE STARTED **4-24-09** DATE COMPLETED **4-27-09** JOB **L-73,147**



ELEVATIONS
 GROUND SURFACE **600.6**
 END OF BORING **540.6**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **10.5'**
 AT END OF BORING **Wash Boring**
 24 HOURS

LENGTH RECOVERY	SAMPLE NO.	TYPE	N	WC	QU	Y DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
	A 1 B	SS	17	6.8 7.2		2.0	598.6	FILL - Dark brown silty medium to fine SAND, trace gravel, damp (SM)
	2	SS	11	7.0		3.5	597.1	Firm light brown and brown silty medium to fine SAND, trace gravel, moist (SM) [Possible Fill]
	3	SS	21	12.5				Firm brown and light brown silty medium to fine SAND, trace gravel, occasional Cobbles, moist (SM) [Possible Fill]
	4	SS	13	8.7		6.5	592.1	FILL - Brown and black silty fine SAND, trace organic, occasional silt seams, moist to wet (SM)
	5	SS	4	34.1	0.5"	10.5	590.1	Soft dark brown to black silty CLAY, trace sand, little organic, occasional sand seams, very moist (CL/OL)
	6	SS	8	24.8	2.0"	13.5	587.1	Tough to very tough dark gray to black silty CLAY, trace sand, trace organic, moist to very moist (CL/CH)
	7	SS	8	25.8	1.00 1.0"	16.5	582.1	
	8	SS	14					Firm brown silty SAND, little to some gravel, occasional Cobbles (SM)
	A 9 B	SS	14	11.4	3.0"	24.0	578.6	Very tough to hard pinkish-gray and light gray very silty CLAY, little sand, trace gravel, moist (CL)
	10	SS	23	11.3	4.50 4.5"	28.5	572.1	
	11	SS	27	22.1				Firm light gray medium to fine SAND, trace silt, wet (SP)
	12	SS	27	22.1				
	A 13 B	SS	21	11.4	3.22 4.5"	33.5	567.1	

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DRILL RIG NO. **334** End of Boring at 60.0' Page 1 of 2

BORING LOGS
C.H. 8 OVER IOWA INTERSTATE RAILROAD
& THE HENNEPIN CANAL
STATION 36+00
S.N. 006-3247
 WHA #1066D05

STRUCTURAL SHEET NO. 30B OF 33B SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	188	05-00195-00-BR	BUREAU	127	96
CONTRACT NO. 87380					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT BRS-0188(118)					