PROJECT Slope Stability & Settlement Analysis, Co. Hwy. 8 over RR/Canal Bridge, Wyanet
CLIENT Willett, Hofmann and Associates, Dixon, Illinois
BORING 7 DATE STARTED 9-4-09 DATE COMPLETED 9-4-09 JOB L-73,797

ELEVATIONS
GROUND SURFACE 625.8
END OF BORING 570.8

WATER LEVEL OBSERVATIONS
▼ WHILE DRILLING Dry
▽ AT END OF BORING N/A - Wash Boring
▼ 24 HOURS

Sta. 33+80 - 7'L

DISTANCE BELOW SURFACE IN FEET	SAMPLE NO.	TYPE	N	WC	Qu	▽DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
0							0.3	625.5	Bituminous Concrete
							0.7	625.1	FILL - Sand and Gravel
	1	SS	9	12.6	1.5*	121			FILL - Brown and light brown very silty CLAY, trace to little sand, trace gravel, occasional sand seams, moist (CL)
5	2	SS	5	16.8	2.5*	120			
							6.0	619.8	
	3	SS	3	14.5	1.5*	132			FILL - Gray, brown, dark gray and light gray very silty CLAY, little to some sand, trace gravel and organic, moist (CL)
10	4	SS	4	15.3	1.0*	117			LL = 20, PL = 14, PI = 6
							10.5	615.3	
	5	SS	4	29.6	1.25*	101			FILL - Brown and gray silty CLAY, trace to little sand, trace gravel, occasional sand seams, very moist (CL)
							13.0	612.8	
15	6	SS	4	19.8	0.83 1.0*	112			FILL - Brown, gray, light gray and pinkish-gray silty CLAY, trace to little sand, trace gravel, occasional silt and sand seams, moist to very moist (CL)
	7	SS	5	18.4	1.0*	112			
20	8	SS	9	22.0	0.75*	107			
	9	SS	11	21.1	1.5*	108			
	10	SS	13	19.3	1.5*	112			
25							26.0	599.8	
	11	SS	11	14.1	0.5*	114			FILL - Light gray very silty CLAY, trace to little sand, trace gravel, very moist (CL-ML)
							28.5	597.3	
30	12	SS	24	18.6	0.75*	121			FILL - Light gray and light brown silty CLAY, trace to little sand, trace gravel, very moist (CL)
							33.0	592.8	
35	13	SS	16	15.4					FILL - Light brown and dark brown silty medium to fine SAND, trace gravel, occasional clay seams, moist (CL-ML)

DRILL RIG NO. 334

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

End of Boring at 55.0'

PROJECT Slope Stability & Settlement Analysis, Co. Hwy. 8 over RR/Canal Bridge, Wyanet
CLIENT Willett, Hofmann and Associates, Dixon, Illinois
BORING 7 DATE STARTED 9-4-09 DATE COMPLETED 9-4-09 JOB L-73,797

ELEVATIONS
GROUND SURFACE 625.8
END OF BORING 570.8

WATER LEVEL OBSERVATIONS
▼ WHILE DRILLING Dry
▽ AT END OF BORING N/A - Wash Boring
▼ 24 HOURS

Sta. 33+80 - 7'L

DISTANCE BELOW SURFACE IN FEET	SAMPLE NO.	TYPE	N	WC	Qu	▽DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
35									FILL - Light brown and dark brown silty medium to fine SAND, trace gravel, occasional clay seams, moist (CL-ML)
							38.0	587.8	
40	14	SS	12	29.3	1.25*				Tough gray and dark gray silty CLAY, trace sand and gravel, trace organic seams, very moist (CL)
							43.0	582.8	
45	15	SS	9	24.7	0.25*				Very soft dark gray to black silty CLAY, trace sand and gravel, trace organic seams, occasional sand seams, very moist (CL)
							48.0	577.8	
50	16	SS	28	11.5	5.43 4.5+*				Hard pinkish-gray silty CLAY and very silty CLAY layers, little to some sand, trace gravel, moist (CL/CL-ML)
55	17	SS	31	10.8	4.5+*				
60									* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
65									
70									

DRILL RIG NO. 334

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

End of Boring at 55.0'

PROJECT Slope Stability & Settlement Analysis, Co. Hwy. 8 over RR/Canal Bridge, Wyanet
CLIENT Willett, Hofmann and Associates, Dixon, Illinois
BORING 8 DATE STARTED 9-3-09 DATE COMPLETED 9-3-09 JOB L-73,797

ELEVATIONS
GROUND SURFACE 590.0
END OF BORING 570.0

WATER LEVEL OBSERVATIONS
▼ WHILE DRILLING 8.0 '
▽ AT END OF BORING 5.0 '
▼ 24 HOURS

Sta. 33+80 - 63'L

DISTANCE BELOW SURFACE IN FEET	SAMPLE NO.	TYPE	N	WC	Qu	▽DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
0	1	SS	8	12.7	3.0*				FILL - Brown and light brown very silty CLAY and clayey SILT layers, trace to little fine sand, trace organic, moist (CL/ML)
	2	SS	4	28.6	0.75*		3.5	586.5	Stiff dark brown clayey TOPSOIL, very moist (OL)
5	3	SS	3	19.7	1.5*				▽ LL = 35 PL = 20 PI = 15 LI = 0.57
							6.0	584.0	Tough dark brown to black sandy CLAY, trace gravel and organic, occasional sand seams, moist (CL)
	A 4 B	SS	8				8.5	581.5	Loose brown silty clayey medium SAND, trace gravel, wet (SM)
10							9.5	580.5	Loose brown silty SAND and GRAVEL, wet (SM/GM)
	5	SS	16				11.0	579.0	Firm brown and light orange-brown medium to fine SAND, trace gravel, little silt, wet (SP-SM)
							13.5	576.5	
15	6	SS	10						Firm gray medium to fine SAND, trace gravel, little silt, wet (SP-SM)
							15.5	574.5	
	7	SS	23	16.2					Firm pinkish-gray clayey SILT, trace find sand, moist (ML)
							18.5	571.5	
20	8	SS	19	11.3	4.5+*				Hard pinkish-gray very silty CLAY, little to some sand, trace gravel, moist (CL)
25									* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
30									
35									

DRILL RIG NO. 334

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

End of Boring at 20.0'

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

STRUCTURAL SHEET NO. 32B OF 33B SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	188	05-00195-00-BR	BUREAU	127	98
			CONTRACT NO. 87380		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-0188(118)		

FILE NAME = s:\Struct\1066D05BureauCounty\Drawings\1066Boringlogs.dgn