

Motion By: **HARTWIG**
 Second By: **CUMMINGS**

Dist.	Supervisor	Y	N	Abs
1	Bialecki			
2	Anderson-Malm			
3	McCrank			
4	Ossness			
5	Wendorf			
6	Ashbeck			
7	Rusch			
8	Thiel			
9	Friske			
10	Boyd			
11	Detert			
12	DePasse			
13	Brixius			
14	Hafeman			
15	Lemke			
16	Miller			
17	Meunier			
18	Wickham			
19	Allen			
20	Cummings			
21	Simon			
22	Hartwig			
Totals				

AN ORDINANCE TO AMEND THE APPENDIX PER SECTION 20.1.5 (GENERAL PROVISIONS-OFFICIAL MAPS BASED ON OTHER STUDIES) OF THE LINCOLN COUNTY FLOODPLAIN ZONING ORDINANCE

WHEREAS, The County Board of Supervisors of Lincoln County, Wisconsin, does hereby ordain:

Chapter 20.1.5 (Appendix), Lincoln County Code, is amended as follows:

Map dated October 17th, 2023 and titled "Fox Valley and Lake Superior Rail System Bridge 105.34 Over Pine River – Pine River Floodway and Flood Fringe".

Floodway data table dated September 29th, 2023 and titled "Floodway Data From HEC-RAS Results, Pine River" which is included in the report titled "WDNR Comment Responses, Preliminary Hydraulic Analysis Comments – Fox Valley and Lake Superior Rail System Pine River Bridge 105.34" dated September 29, 2023.

Carried
 Defeated
 Amended

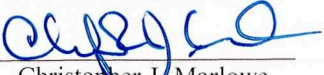
Voice vote
 Roll call

STATE OF WISCONSIN)
) SS
 COUNTY OF LINCOLN)

I hereby certify that this resolution/ordinance is a true and correct copy of a resolution/ordinance adopted by the Lincoln County Board of Supervisors on:

This ordinance shall take effect following its passage and posting.

Dated: February 19, 2024

FEBRUARY 19, 2024

 Christopher J. Marlowe
 Lincoln County Clerk

Authored by: Marty Lemke
 Co-Sponsored by: Julie DePasse, Randy Detert, Greg Hartwig, Elizabeth McCrank, and Greta Rusch, William Bialecki
 Committee: Land Services Committee
 Committee Vote: 7-0
 Fiscal Impact: None

Date Passed: 12/14/23

Drafted by: Mike Huth (Land Service Administrator- Zoning Program Manager)



Ordinance 2024-02-754

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
107 Sulliff Avenue
Rhinelander WI 54501-3349

Tony Evers, Governor
Adam N. Payne, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



October 31, 2023

Mike Huth
Lincoln County Zoning Program Manager
801 N. Sales Street, Suite 103
Merrill WI 54452

Expedited delivery via: mike.huth@co.lincoln.wi.us

Subject: Department Review of "Fox Valley and Lake Superior Rail System Bridge 105.34",
Floodplain Study, Town of Pine River, WI, FAD #20936

Dear Mr. Huth:

On August 1st, 2023, your department emailed me to request a Department review of a Flood Study for a proposed structure replacement for The Fox Valley and Lake Superior Rail System over the Pine River in the Town of Pine River. The study was prepared by Origin Design on behalf of the rail system. The project is located in the NE ¼ of NW ¼ of Section 33, T31N, R7E, Town of Pine River in Lincoln County. The proposed project is located in the Pine River Zone A floodplain. There is currently no floodway delineation at the project location. The Department concluded on the basis of Lincoln County's Floodplain Zoning Ordinance as well as Administrative Code NR116, that a floodplain analysis was necessary to delineate the floodway and determine the effects on water surface elevations due to the proposed project.

This project involves replacing the existing 6-span rail bridge with a new 5-span bridge over the Pine River. The Department's review found that the revised study submitted on October 17th, 2023, under the Professional Seal of Noah Hofrichter, P.E. - Origin Design, meets the requirements of NR 116, Wisconsin Administrative Code and has therefore gained the Department's approval.

The floodplain analysis showed no change or slight decrease (less than 0.10') to the 100-year water surface profile in the study area as a result of the proposed bridge replacement.

The products of the analysis including the floodplain map, floodway data table, and flood profile can be adopted into the Lincoln County Official Maps Section of the Floodplain Ordinance for regulatory purposes:

1. Map dated October 17th, 2023 and titled "Fox Valley and Lake Superior Rail System Bridge 105.34 Over Pine River - Pine River Floodway and Flood Fringe".
1. Floodway data table dated September 29th, 2023 and titled "Floodway Data From HEC-RAS Results, Pine River" which is included in the report titled "WDNR Comment Responses, Preliminary Hydraulic Analysis Comments - Fox Valley and Lake Superior Rail System Pine River Bridge 105.34" dated September 29, 2023.

dnr.wi.gov
wisconsin.gov

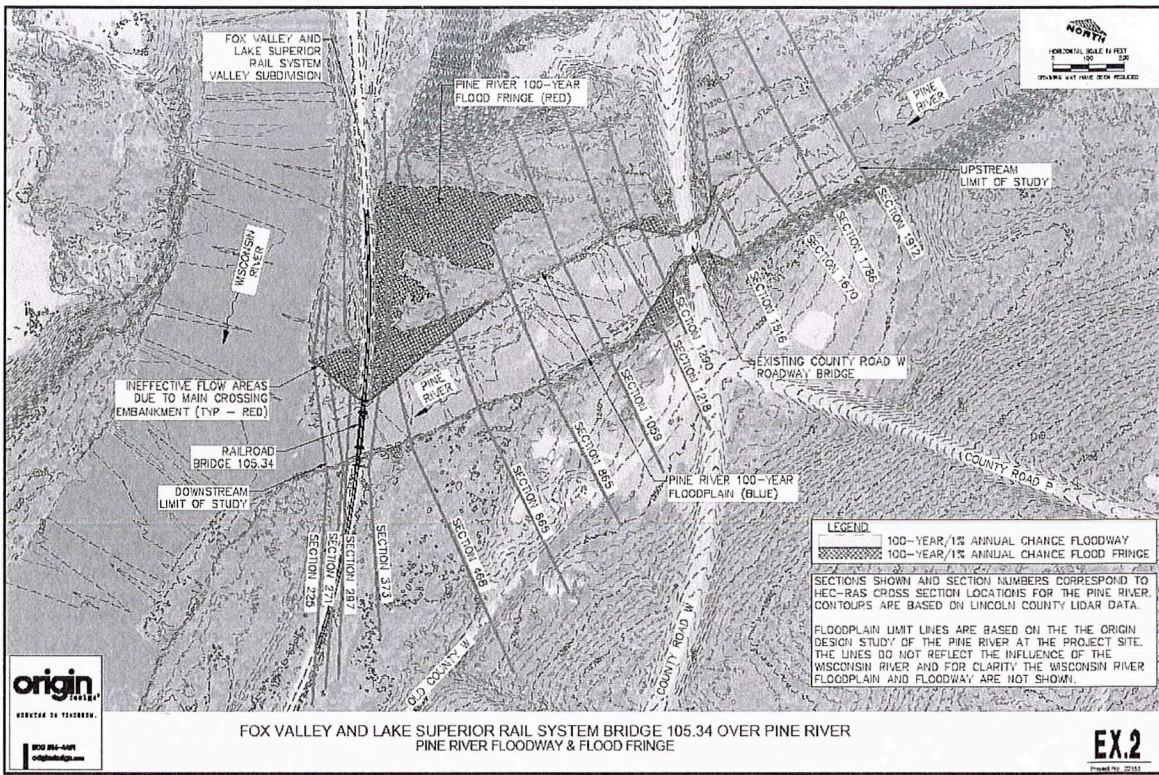


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This approval does not account for any local ordinance variations. If you have any questions, please contact me at (715) 493-0371 or foresta.vanasten@wisconsin.gov.

Forrest Van Asten, P.E.
Water Management Engineer
Wisconsin Department of Natural Resources
Rhinelander Service Center

Cc: Laura Boquist, Lincoln County Shoreland Land Use Specialist



FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM BRIDGE 105.34 OVER PINE RIVER
PINE RIVER FLOODWAY & FLOOD FRINGE

EX.2
Sheet No. 02.01

Floodway Data From HEC-RAS Results, Pine River

(Note: Floodway is an unofficial floodway created by Origin Design in September 2023. There is not a regulatory floodway for the Pine River)
Created 9/29/2023

Existing Bridge Replacement Results:

Reach	River Sta	Profile	Distance Between Sections (ft)	100-year Discharge (cfs)	Drainage Area (Sq. Mi.)	Floodway Top Width (ft)	Cross Section Flow Area (sq ft)	Vel Total (ft/s)	100-year Base Flood Elevation (ft)	W.S. Elev (Encroached) (ft)	Prof Delta WS (ft)
Pine River	225	100-YR-ENC	-	8135	122	246	2179.32	3.73	1225.18	1224.33	0.85
Pine River	271	100-YR-ENC	46	8135	122	159	1702.16	4.78	1225.17	1224.27	0.9
Pine River	297	100-YR-ENC	26	8135	122	171	1802.86	4.51	1225.24	1224.29	0.95
Pine River	373	100-YR-ENC	76	8135	122	167	2017.7	4.15	1225.71	1224.86	0.85
Pine River	468	100-YR-ENC	95	8135	122	203	1872.04	4.35	1225.71	1224.90	0.81
Pine River	665	100-YR-ENC	197	8135	122	217	1786.25	4.55	1225.8	1224.99	0.81
Pine River	865	100-YR-ENC	200	8135	122	237	2107.33	3.86	1226.07	1225.33	0.74
Pine River	1059	100-YR-ENC	194	8135	122	262	2475.6	3.29	1226.25	1225.47	0.79
Pine River	1218	100-YR-ENC	159	8135	122	208	2064.41	4.27	1226.23	1225.45	0.78
Pine River	1290	100-YR-ENC	72	8135	122	149	1591.53	5.13	1226.21	1225.45	0.77
Pine River	1516	100-YR-ENC	226	8135	122	144	1571.03	5.18	1228.06	1227.92	0.15
Pine River	1670	100-YR-ENC	154	8135	122	109	1211.52	6.71	1228.03	1227.95	0.08
Pine River	1786	100-YR-ENC	116	8135	122	104	1331.27	6.11	1228.27	1228.14	0.14
Pine River	1912	100-YR-ENC	126	8135	122	110	1401.29	5.81	1228.43	1228.30	0.13

Proposed Bridge Replacement Results:

Reach	River Sta	Profile	Distance Between Sections (ft)	100-year Discharge (cfs)	Drainage Area (Sq. Mi.)	Floodway Top Width (ft)	Cross Section Flow Area (sq ft)	Vel Total (ft/s)	100-year Base Flood Elevation (ft)	W.S. Elev (Encroached) (ft)	Prof Delta WS (ft)
Pine River	225	100-YR-ENC	-	8135	122	246	2179.32	3.73	1225.18	1224.33	0.85
Pine River	271	100-YR-ENC	46	8135	122	159	1702.16	4.78	1225.17	1224.27	0.9
Pine River	297	100-YR-ENC	26	8135	122	171	1802.86	4.51	1225.24	1224.29	0.95
Pine River	373	100-YR-ENC	76	8135	122	172	2013.1	4.04	1225.68	1224.85	0.84
Pine River	468	100-YR-ENC	95	8135	122	203	1865.3	4.36	1225.68	1224.87	0.81
Pine River	665	100-YR-ENC	197	8135	122	217	1779.24	4.57	1225.76	1224.96	0.81
Pine River	865	100-YR-ENC	200	8135	122	237	2100.33	3.87	1226.04	1225.31	0.73
Pine River	1059	100-YR-ENC	194	8135	122	262	2468.24	3.3	1226.22	1225.44	0.78
Pine River	1218	100-YR-ENC	159	8135	122	208	2057.67	4.28	1226.2	1225.43	0.78
Pine River	1290	100-YR-ENC	72	8135	122	149	1587.35	5.14	1226.19	1225.42	0.77
Pine River	1516	100-YR-ENC	226	8135	122	144	1569.52	5.18	1228.05	1227.92	0.14
Pine River	1670	100-YR-ENC	154	8135	122	109	1210.4	6.72	1228.02	1227.95	0.07
Pine River	1786	100-YR-ENC	116	8135	122	104	1330.3	6.12	1228.27	1228.14	0.13
Pine River	1912	100-YR-ENC	126	8135	122	110	1400.3	5.81	1228.43	1228.30	0.13