

S-23 Forest Co Rat River Bridge

State of Wisconsin
 Department of Natural Resources
dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply) Form 8700-159 (R 02/2024) Page 1 of 5
 ATV/UTV Trail Aid
 Snowmobile Trail Aid

Due Date: April 15

Notice: Completion of this form is required under Wisconsin Statutes 23.09(26) and 23.33. Failure to complete this form will result in denial of financial assistance. Personally identifiable information found on this form is not intended to be used for any other purpose. The Department of Natural Resources (DNR) may provide this information to requesters as required by Wisconsin's Public Records law (ss. 19.31 – 19.39, Wis. Stats.).

Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your [Community Services Specialist](#).

DNR Use Only	
Category	Number

Section 1: Applicant Information

Applicant / Organization Name Forest County Forestry and Recreation Dept			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input type="checkbox"/> Select if the same as applicant.		
Individual Authorized to Act on Behalf of Applicant per Resolution Travis Wollenberg			Check Recipient Name (Name to Appear on Check) Forest County Forestry and Recreation Dept		
Title Forest Administrator			Title		
Address 200 E Madison Street			Address 200 E Madison Street		
City Crandon	State WI	ZIP Code 54520	City Crandon	State WI	ZIP Code 54520
Telephone Number (715) 478-3475		Email Address travis@co.forest.wi.us			

Section 2: Project Information Required for all Projects

Project Title Nicolet State Trail Rat River Bridge Replacement					Current Funded Miles	New Miles (if applicable)
County Forest	Township 36 N	Range 15	Section 31	¼ ¼ NW	GPS Coordinates: Lat. 45.560929 Long. -88.673391	

Project Description Summary

Forest County is looking to rehab/replace Rat River Bridge located on the Nicolet State Trail. This is DNR Bridge number NR-21-013 located in the Township of Laona. A bridge inspection was completed in 2025 and found major defects in the structure changing the inspection cycle to every 12 months. A copy of the bridge report will be included. The entire project will require hiring an engineering company to engineer the bridge but also hire a contractor to remove and install the new bridge. This bridge is detrimental to the safety of the ATV/UTV/Snowmobile traffic moving from Oconto County through Forest County to Florence County.

RTP: \$100,000
ATV: \$115,942
SNOW: \$115,942

I certify that all maintenance land use agreements are on file.

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$331,884.00		\$331,884.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Travis Wollenberg	Official's Title Forest Administrator
--	--

As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.


 Signature of Authorized Official

2-23-26
 Date Prepared

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure			
		Quote 1	Quote 2
		<input checked="" type="radio"/> Steel <input type="radio"/> Wooden	<input checked="" type="radio"/> Steel <input type="radio"/> Wooden
Bridge Dimensions:		75'x12'	75'x12'
Bridge Manufacturer:	Anderson Bridges	Wheeler	
Design Weight Load		25,000 lbs.	25,000 lbs.
Cost of Structure:	1. Engineering	\$ _____	\$ _____
	2. Structure	\$ 128,000	\$ 125,000
	Subtotal	\$ 128,000	\$ 125,000
		Quote 1	Quote 2
		<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
Installation Costs:	1. Engineering	\$ 45,000	\$ 45,000
	2. Site Preparation	\$ 22,904	\$ 15,000
	3. Abutments	\$ 23,625	\$ 25,000
	4. Pilings/Piers	\$ 9,716	\$ 40,000
	5. Approaches	\$ 1,560	\$ 15,000
	6. Riprap	\$ 11,076	\$ 2,000
	7. Labor	\$ 62,503	\$ 105,000
	8. Equipment Rental	\$ _____	\$ 50,000
	9. Culverts	\$ _____	\$ _____
	10. H & H Study	\$ 13,500	\$ 13,500
	11. Wetland Delineation	\$ 5,000	\$ 5,000
	12. Other <u>Soil Boring/Arch Study</u>	\$ 9,000	\$ 9,000
	Subtotal	\$ 203,884	\$ 324,500
	Total Cost	\$ 331,884	\$ 449,500

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects		<input type="radio"/> Contractor	<input type="radio"/> Sponsor	<input type="radio"/> Club
Bridge Dimensions:	_____			
Design Weight Load	_____ lbs.			
1. Materials	\$ _____			
2. Labor	\$ _____			
Total	\$ _____			

For use with Recreation Grant Application Forms

Project Name: NR-21-013 Rat River Bridge Rehab		Prepared By: Travis Wollenberg	Date 02/23/2026
County Forest	Project Applicant: Forest County Forestry and Recreation	Landowner Name WI DNR	<input checked="" type="radio"/> Public <input type="radio"/> Private

Indicate - (C) Contract , (F) Force Acct., (D) Donated

↓	DEVELOPMENT PROJECT ITEMS <i>List by individual item or break down by Use Areas (See Item List On Back Of This Form)</i>	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
C	Clearing	1	STA	\$982.00	982.00
C	Grubbing	1	STA	\$982.00	982.00
C	Removing Structure over Waterway with Minimal Debris	1	LS	\$16,000.00	16,000.00
C	Common Excavation	20	CY	\$22.00	440.00
C	Excavation for Structures, Bridge	1	LS	\$4,500.00	4,500.00
C	Backfill, Structure Type A	70	CY	\$50.00	3,500.00
C	Base Aggregate, Dense 3/4"	20	CY	\$78.00	1,560.00
C	Concrete Masonry, Bridges/ Abutments	18	CY	\$1,250.00	22,500.00
C	Piling CIP Concrete 10-3/4" x 0.219inch	140	LF	\$69.40	9,716.00
C	Riprap, Heavy	80	CY	\$94.70	7,576.00
C	Mobilization	1	EA	\$30,500.00	30,500.00
C	Silt Fence	300	LF	\$8.00	2,400.00
C	Silt Fence Maintenance	300	LF	\$0.01	3.00
C	Mobilization, Erosion Control	1	1	\$600.00	600.00
C	Mobilization, Emergency Erosion Control	1	1	\$50.00	50.00
C	Fertilizer Type B	0.2	CWT	\$500.00	100.00
C	Seeding Mixture #10	10	LB	\$25.00	250.00
C	Traffic Control	1	EA	\$2,200.00	2,200.00
C	Geotextile Type DF, Schedule A	30	SY	\$5.00	150.00
C	Geotextile Type HR	150	SY	\$6.50	975.00
C	Prefabricated Metal Truss Bridge, 75' Install Only	1	EA	\$26,400.00	26,400.00
C	H&H Study	1	\$	\$13,500.00	13,500.00
C	Wetland Delineation	1	\$	\$5,000.00	5,000.00
C	Soil Boring/ Archaeological Study	1	\$	\$9,000.00	9,000.00
	Engineering	1	\$	\$45,000.00	45,000.00
C	Bridge	1	\$	\$128,000.00	128,000.00
				TOTAL \$	\$331,884.00

NOTE:



Larson Construction Co Inc
 19681 - 55th Avenue
 Chippewa Falls WI 54729
 PH 715.723.9708
 FX 715.723.4515

**Budget for 75' truss bridge installed in Laona,
 Wisconsin (Forest County)**

BASE BID						
Line No	Item No	Description	Quantity	Unit	Unit Price	Total
16	201.0105	Clearing	1.00	STA	\$ 982.00	\$ 982.00
17	201.0205	Grubbing	1.00	STA	\$ 982.00	\$ 982.00
18	203.0260	Removing Structure Over Waterway With Minimal Debris	1.00	LS	\$ 16,000.00	\$ 16,000.00
19	205.0100	Common Excavation	20.00	CY	\$ 22.00	\$ 440.00
20	206.1001	Excavation For Structures, Bridges	1.00	LS	\$ 4,500.00	\$ 4,500.00
21	210.1100	Backfill, Structure Type A	70.00	CY	\$ 50.00	\$ 3,500.00
22	305.0115	Base Aggregate, Dense 3/4"	20.00	CY	\$ 78.00	\$ 1,560.00
23	502.0100	Concrete Masonry, Bridges	18.00	CY	\$ 1,250.00	\$ 22,500.00
24	550.2102	Piling CIP Concrete 10-3/4" x 0.219-Inch	140.00	LF	\$ 69.40	\$ 9,716.00
25	606.0300	Riprap, Heavy	80.00	CY	\$ 94.70	\$ 7,576.00
26	619.1000	Mobilization	1.00	EA	\$ 30,500.00	\$ 30,500.00
27	628.1504	Silt Fence	300.00	LF	\$ 8.00	\$ 2,400.00
28	628.1520	Silt Fence Maintenance	300.00	LF	\$ 0.01	\$ 3.00
29	628.1905	Mobilizations, Erosion Control	1.00	1	\$ 600.00	\$ 600.00
30	628.1910	Mobilizations, Emergency Erosion Control	1.00	1	\$ 50.00	\$ 50.00
21	629.0210	Fertilizer Type B	0.20	CWT	\$ 500.00	\$ 100.00
32	630.0110	Seeding Mixture #10	10.00	LB	\$ 25.00	\$ 250.00
33	643.5000	Traffic Control	1.00	EA	\$ 2,200.00	\$ 2,200.00
34	645.0111	Geotextile Type DF, Schedule A	30.00	SY	\$ 5.00	\$ 150.00
35	645.0120	Geotextile Type HR	150.00	SY	\$ 6.50	\$ 975.00
36	05 12 43	Prefabricated Metal Truss Bridge, 75-Foot- INSTALLATION ONLY	1.00	EA	\$ 26,400.00	\$ 26,400.00
TOTAL ESTIMATE						\$ 131,384.00

- Notes:
- 1 Larson Construction is a Union Contractor.
 - 2 Utility conflicts to be resolved with help from the Prime Contractor
 - 3 Prime can choose options by group

Signed: _____ *Tim MacLaughlin-Barok, Vice President, Operations*

Date: 2/3/2026

Accepted: _____

Date: _____

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

	Quote 1	Quote 2
	<input checked="" type="radio"/> Steel <input type="radio"/> Wooden	<input type="radio"/> Steel <input type="radio"/> Wooden
Bridge Dimensions:	<u>75' x 12'</u>	_____
Bridge Manufacturer:	<u>Pheifer Brothers Construction Co Inc</u>	_____
Design Weight Load	<u>25,000</u> lbs.	_____ lbs.
Cost of Structure:		
1. Engineering	\$ _____	\$ _____
2. Structure	\$ _____	\$ _____
Subtotal	\$ _____	\$ _____

	Quote 1	Quote 2
	<input type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ <u>15,000</u>	\$ _____
3. Abutments	\$ <u>25,000</u>	\$ _____
4. Pilings/Piers	\$ <u>40,000</u>	\$ _____
5. Approaches	\$ <u>15,000</u>	\$ _____
6. Riprap	\$ <u>2,000</u>	\$ _____
7. Labor	\$ <u>105,000</u>	\$ _____
8. Equipment Rental	\$ <u>50,000</u>	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other _____	\$ _____	\$ _____
Subtotal	\$ <u>252,000</u>	\$ _____
Total Cost	\$ <u>252,000</u>	\$ _____

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects Contractor Sponsor Club

Bridge Dimensions:	_____
Design Weight Load	_____ lbs.
1. Materials	\$ _____
2. Labor	\$ _____
Total	\$ _____

Travis Wollenberg

From: Jake Silkey <jsilkey@wheeler1892.com>
Sent: Tuesday, December 16, 2025 10:27 AM
To: Travis Wollenberg
Subject: RE: Quote - Laona Bridge - Forest Co.

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Travis,

Thank you for reaching out. Please find below my budgetary estimate for the design, fabrication, and supply of a prefabricated steel truss bridge.

Prefabricated Recreational Steel Truss Bridge

- **Span:** 75 ft
- **Width:** 12 ft
- **Design Loads:**
 - 90 psf pedestrian live load
 - H12.5 vehicular load
- **Decking:** Timber deck treated with Copper Naphthenate to UC4C retention levels
- **Material:** Weathering steel

Scope of Work:

Includes engineering design, fabrication, and delivery to site. Installation to be provided by others.

Lump Sum Cost: \$125,000.00

Please let me know if you have any questions.

Sincerely,

Jake Silkey, PE | Sales Engineer – Engineered Products | Wheeler
d. 262.229.4068 | jsilkey@wheeler1892.com

From: Travis Wollenberg <Travis@co.forest.wi.us>
Sent: Monday, December 15, 2025 4:02 PM
To: Jake Silkey <jsilkey@wheeler1892.com>
Subject: Quote

Jake,

Forest County is looking to apply for a grant to replace a bridge on the NST. We are looking for cost to put towards our grant on a multiuse bridge.

Bridge Specs we are looking for:

75'x12' Steel Frame, Free Span

Weight capacity 12.5 tons.



111 Willow Street
Colfax, WI 54730
(715) 962-2800
FAX: (715) 962-2801

PROPOSAL

December 18, 2025

To: Forest County Snowmobile Trail Administrator

Re: Nicolet State Trail Snowmobile Bridge Budget

- 1 - **75' x 12' (clear width)** steel truss bridge
 - Design Standards: **AASHTO**
 - Diagonals per Panel: **1**
 - Clear width: **Inside face structural elements at deck level**
 - End Vertical: **Square**
 - Bearings: **Equal Elevations**
 - Steel Grade: **A588/A847 (Unpainted self-weathering)**
 - Deck: **#1 Southern Yellow Pine (.40 MCA)**
 - Safety Rails: **Horizontal (4" opening)**
 - Installation: **Steel piling/concrete abutments**
 - Loads: **85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load**
 - FOB: **Forest County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price		[REDACTED]
	<ul style="list-style-type: none"> • Structure (Steel Truss) • Engineering 	<p style="margin: 0;">\$118,000</p> <p style="margin: 0;">\$10,000</p>
	[REDACTED]	

*****This price is for budgetary purposes only*****

Please call with any questions.

Thank you,

Kory S. Weathers

Guidelines for Applicant

Complete this form for each bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.

This ranking tool is used for both **Snowmobile** and **ATV/UTV** Trail Aids programs, though each program may score things differently. If you are seeking funding from BOTH programs for a dual use bridge, please score ALL questions

Category	Possible Points	Snow Points	ATV/UTV Points
1 Condition of the Structure (max of 10 points)			
Has a certified bridge inspection report that supports the project & demonstrates need. Copy of report needed. Snowmobile Funded Projects	10	10	
Calculation: 10 minus NBI Rating Score (0-9) ATV Funded Projects Use overall NBI # if provided, or an average of the components. Redecking projects should just use the deck NBI #.	10		5
2 Permits (maximum points 4)			
Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	1	1
Permit in hand / Bridge already permitted	3		
3 Funding (maximum points 2) Has an application been submitted for other funding			
50% or greater from other funding source(s)? (includes 50/50 Snow/ATV projects)	2	2	2
11% - 49% from other funding source(s)?	1		
4 Length of Written Easements or Land Use Agreement (max points 5)(ch. 23.09(26)(am)1 WI Stats)			
On public land (County, State, Federal)	5	5	5
10 or more year deeded easement on private land or other public land, for <u>all portions of</u> that trail to the nearest road on each side of the bridge	5		
3-9 year deeded easement on private land or other public land, for <u>all portions of that</u> trail to the nearest road on each side of the bridge	4		
10 or more year deeded easement on private land or other public land, for just the bridge	3		
3-9 deeded easement on private land or other public land, for just the bridge site	2		
10 or more year land use agreement (LUA, not deeded) on private land or other public	1		
3-9 year land use agreement (LUA, not deeded) on private land or other public land	0		
5 Miles Impacted – How many miles will need to rerouted if the structure is not replaced? Measured from nearest intersection on both sides of the bridge. (max 4 points)			
Less than 20 miles Snowmobile Funded Projects	1	1	
20 miles or more Snowmobile Funded Projects	3		
No other snowmobile trails connect. Snowmobile Funded Explain:	4		
For ATV/UTV projects, describe the relocation (on routes? Trail?) Include sketch/map			
6 If ATV/UTV, Seasons of Use (max 3 points)			
Year-Round or Summer Only ATV/UTV Trail	3		3
Winter Only ATV/UTV Trail	1		
DEDUCTIONS			
7 County Active Project Deduction (maximum deduction 1 point) A snowmobile active project is one that has exceeded it's initial grant period.			
Two or more active projects - deduct 1 point	-1	-1	
GRAND TOTAL		18	16

** Time extension issued for ATV-4562 / S-5794 Swanson Creek Bridge; and S-5793 LMT-6 Swamp Creek Bridge.

18

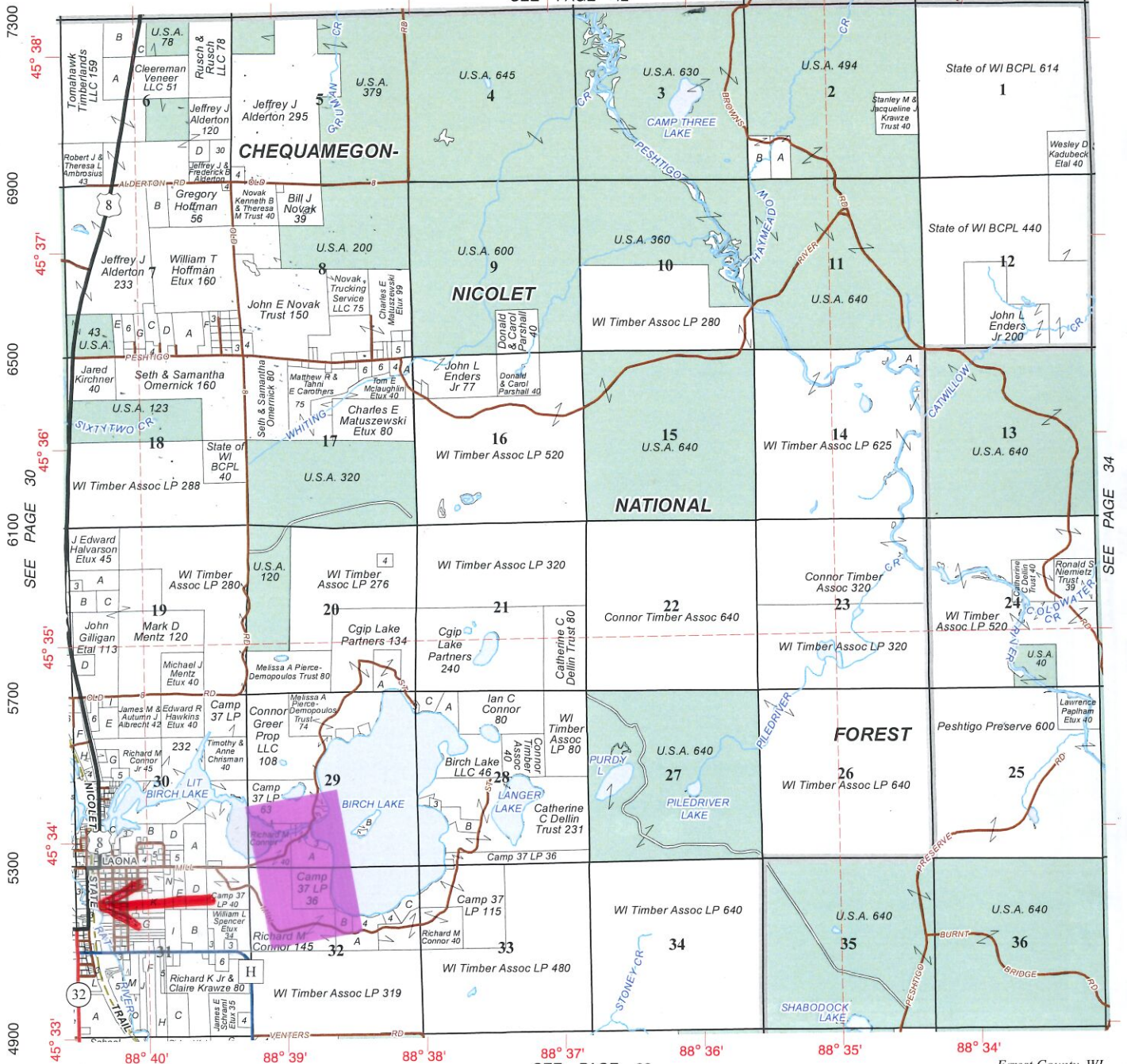
NORTHWEST PART
NORTHEAST PART

BLACKWELL LAONA

Refer to page 82 for keyed parcels

T.36N.-R.15E.

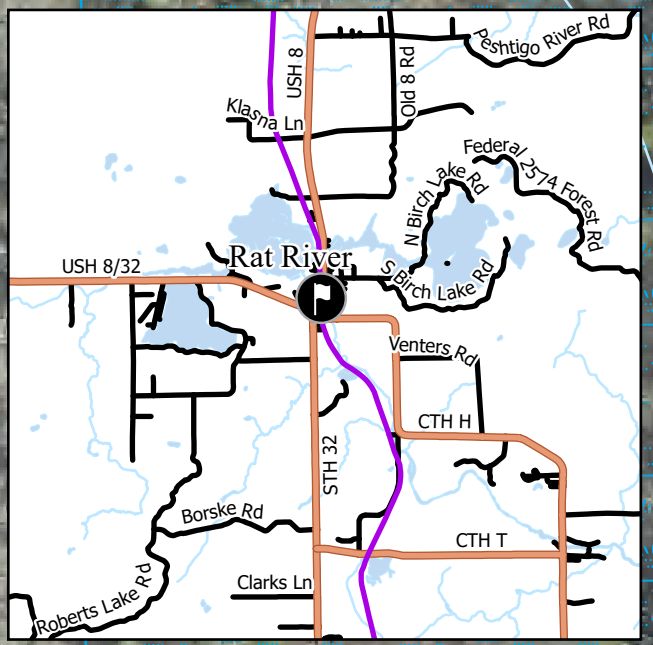
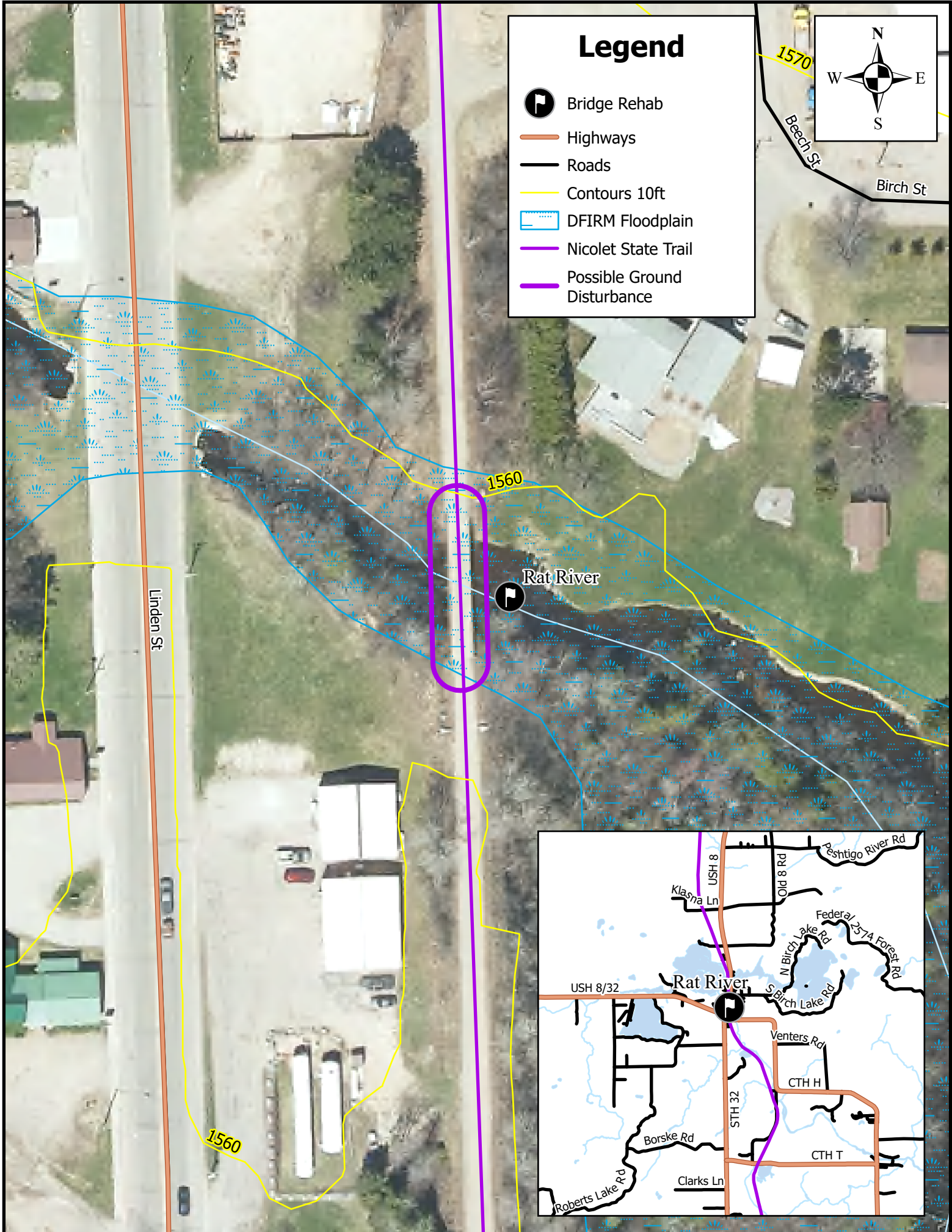
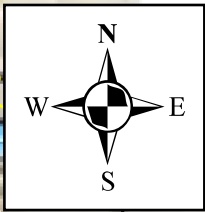
SEE PAGE 42



© 2025 Rockford Map Publs., Inc. SEE PAGE 22
 4900 4500 4100 3700 3300 2900 2500
 88° 40' 88° 39' 88° 38' 88° 37' 88° 36' 88° 35' 88° 34'
 LAONA TWP. ← → BLACKWELL TWP.
 Forest County, WI

Legend

-  Bridge Rehab
-  Highways
-  Roads
-  Contours 10ft
-  DFIRM Floodplain
-  Nicolet State Trail
-  Possible Ground Disturbance



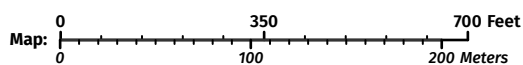


Legend: (some map layers may not be displayed)

-  FIRM Panels
- Flood Hazard Boundaries**
-  SFHA / Flood Zone Boundary
- Flood Hazard Zones**
-  1% Annual Chance Flood Hazard
-  Riverine/ditch Class Areas
-  Wetland Class Areas
-  Rivers and Streams
-  Intermittent Streams
-  Rivers and Streams
-  Intermittent Streams
-  24K Streams and Rivers
-  Latest Leaf Off Index
-  Latest Leaf Off Imagery

Notes:

Service Layer Credits:
 Digital FEMA Floodplains (National Flood Hazard Layer)*: , DNR Basic Feature VTL (WTM): Wisconsin Department of Natural Resources, GIS Section, Latest Leaf Off: , Paper FIRMS: Federal Emergency Management Agency, Wisconsin Department of Natural Resources, Surface Water (Cached): WiDNR, USGS, and other data, Wetland Inventory NWI (Dynamic): Calvin Lawrence, Dennis Weise, Nina Rihn



Map projection: NAD 1983 HARN Wisconsin TM

This map is a product generated by a DNR web mapping application.

This map is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The user is solely responsible for verifying the accuracy of information before using for any purpose. By using this product for any purpose user agrees to be bound by all disclaimers found here: <https://dnr.wisconsin.gov/legal>

Date Printed: 1/22/2026 1:58 PM



Trail Bridge Inspection

Forest County

Bridge Name

Rat River

Inspected By:

Patrick Hampston, P.E.

5/3/25

Prepared By

KBIS, LLC





Bridge Inspection Report

General Information

The structure in this report was inspected by certified Wisconsin Department of Transportation Bridge Inspectors. Inspectors are Bridge Inspection Team Leaders and NSTM certified inspectors.

The bridge was inspected with trail use in mind, using normal vehicle bridge standards to determine the condition of the structure.

All recommendations made in the report are also considering the use of the trail. Trail bridges in general should have a load rating considering all the possible uses of the structure. Even though the bridges may be just for snowmobiles, several types of vehicles may use the structure.

Location information/General Description:

Located in Laona on Nicolet State Trail, Forest County.
45.56096, -88.6734

Bridge Condition

Condition State (CS) 1-Good, CS2-Fair, CS3-Poor, CS4-Critical

Abutments, pile bents, and spans are numbered along the trail from south to north. Girders are numbered from upstream to downstream.

Bridge has steel railings, double layer of longitudinal timber deck planks (top wearing surface, bottom structural deck), transverse steel HSS floor beams, (6) SS timber girders in two bundles of three, timber post abutment on timber cap and subgrade timber piling.

Length 75.0', Width 12.0', 9.5' clearance to stream bottom.

Minor gravel on deck. Wear planks are cupped and minor ends sticking up. Deck has black staining on underside.

Span 6, girder 3 is rotten and crushing at north end. The floor beam in the middle of span 4 is poorly spliced. Floor beams have moderate rust but no section loss.

South abutment cap is rotten throughout and crushing at east bearing. Bent #1 is in fair condition. Bent #2 pile cap is rotten and bottom of posts are rotten. Bent #3 post bottoms are rotten. Bent # 4 Posts 2 & 4 are hollow. Bottom pile cap is rotten and top cap is rotten and crushing. Bent #5 post #3 has wide checking. North abutment cap is rotten and crushing with fruiting bodies growing out of it.



W7218 Hickory Lane
Phillips, WI 54555
wm.kbis@gmail.com
715.820.0095

Bridge Inspection Report

Bridge Condition

Channel is in good condition.

Approaches are in good condition. South object markers are bent. Missing north bridge ahead sign.



W7218 Hickory Lane
Phillips, WI 54555
wm.kbis@gmail.com
715.820.0095

Bridge Inspection Report

Report Summary

NBI Ratings: 9-7 Good, 6-5 Fair, 4-3 Poor, 2-1 Critical, 0-Closed

Deck	# 6	Widespread minor defects
Wearing Surface	# 6	Widespread minor defects
Superstructure	# 5	Isolated major defects, strength not affected
Substructure	# 3	Major defects, strength affected, more frequent monitoring necessary
Channel	# 8	Inherent defects only

Overall Condition Poor

Recommendations/Maintenance Items:

****Reduce inspection cycle to 12 months****

Clean deck

Cut brush around / under bridge

Replace 2 object markers

Install north bridge ahead sign

****Replace bridge in next 1-5 years****

Signed By:

Patrick Hampston, P.E.

Bridge Inspection Report

Photo Observations



South bridge ahead sign

Bridge Inspection Report

Photo Observations



North approach

Bridge Inspection Report

Photo Observations



South approach, bent object markers

Bridge Inspection Report

Photo Observations



Upstream elevation view

Bridge Inspection Report

Photo Observations



South abutment cap rotten / crushing

Bridge Inspection Report

Photo Observations



South abutment cap rotten / crushing at east bearing

Bridge Inspection Report

Photo Observations



Black staining on deck underside

Bridge Inspection Report

Photo Observations



Bottom of posts in water rotten

Bridge Inspection Report

Photo Observations



Bent #4 Posts 2 and 4 are hollow

Bridge Inspection Report

Photo Observations



Floor beam in center of span 4 poorly spliced, moderate rust with no section loss

Bridge Inspection Report

Photo Observations



Bent #4 top cap rotten / crushing

Bridge Inspection Report

Photo Observations



North abutment cap rotten / crushing / fruiting bodies growing from it

Bridge Inspection Report

Photo Observations



Span 6, girder 3 rotten / crushing at north end