

#17 Eau Claire Fall Creek 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

Due Date: April 15

- ATV/UTV Trail Aid
 Snowmobile Trail Aid

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 Eau Claire County Parks and Forest Department			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input checked="" type="checkbox"/> Select if the same as applicant.		
Individual Authorized to Act on Behalf of Applicant per Resolution Josh Pedersen			Check Recipient Name (Name to Appear on Check)		
Title Parks and Forest Director			Title		
Address 227 1st Street West			Address		
City Altoona	State WI	ZIP Code 54720	City	State	ZIP Code
Telephone Number 715-839-4787		Email Address josh.pedersen@eauclairecounty.gov			

Section 2: Project Information Required for all Projects							
Project Title Fall Creek Bridge Rehab				Current Funded Miles 181.2		New Miles (if applicable)	
County Eau Claire	Township 26 N	Range 7	Section 5	¼ ¼ NE	¼ NW	GPS Coordinates: Lat. 44.769942 Long. -91.259549	

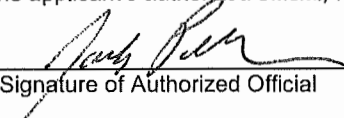
Project Description Summary
 Eau Claire County proposes to replace a 56' bridge with a new 60' bridge. The existing bridge was installed with club funds in the late 80s utilizing club resources. There are concerns with the structural integrity/strength of the current bridge being able to withstand continued traffic and grooming equipment. The pilings the the bridge deck sets on are rotting and the bridge is beginning to settle, with several inches of deflection on both sides without a load present. In addition to the decking and structural concerns, the railing system is also very weakened and needing replacement. This has lead to a new structure being proposed as the permanent solution. A new structure will be placed and have the minimum 5' of clearance required for anglers on Fall Creek.

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

Estimated Cost						
Maintenance	Acquisition	Insurance	Development	Bridge Rehab. 89000	Trail Rehab.	Total Estimated Cost \$89,000
Leave Blank – DNR Use Only						

Applicant Certification	
Printed Name of Authorized Official Josh Pedersen	Official's Title Parks and Forest Director

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

4/4/2024
 Date Prepared

Motorized Recreation Grant Application

Form 8700-159 (R 02/2024)

Page 3 of 5

Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge

Bridge Rehab/Replace
 New Bridge
 Reroute with new bridge

County Eau Claire	Township 26 N	Range 7	Section 5 <div style="display: flex; justify-content: space-around; font-size: small;"> <input type="radio"/> E <input checked="" type="radio"/> W </div>	1/4 1/4 NE <div style="display: flex; justify-content: space-around; font-size: small;"> <input type="radio"/> NE <input type="radio"/> NW </div>	1/4 NW	GPS Coordinates: Lat. 44.769942 Long. -91.259549
Water Body Name Fall Creek			Bridge Name Fall Creek		County Inventory Number 15	
Funded Trail Name or Number (SNARS if applicable) Corridor 31			Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No Year: _____ \$ _____			
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property			Old Bridge/Culvert Size 56'x10' New Bridge/Culvert Size 60'x12/			
Landowner Where Bridge is Located Charles Kramer			Telephone Number 715-410-0848		Length of Trail Use Agreement (5 year minimum) 20	
Current maximum load		9,000 lbs.	Age of Bridge		Bridge Material	
Proposed maximum load		25,000 lbs.	35		Wood deck and pilings, metal beams	
Sponsoring Club Name Sherwood Foresters			Club Contact Wayne Johnson		Telephone Number 715-579-3454	
Do you have your trail bridges posted as to maximum load?			What is the maximum load of the other bridges on the system if groomed with this bridge?			
<input checked="" type="radio"/> Yes <input type="radio"/> No			25,000			
What is the weight of your puller & drag/grading equipment? 8345						
What other recreational trail uses are planned for this bridge? None, only used seasonally as a snowmobile trail bridge						
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users?						

- Yes No Have you contacted your local DNR Water Management Specialist (WMS) regarding a permit?
- Yes No Is a permit needed? (Please provide any written correspondence from WMS.)
- Yes No Have you contacted your County Zoning Dept. regarding a floodplain determination?
- Yes No Will an H & H (hydrologic and hydraulic) study be required?

Bridge Project Detailed Description

Project will utilize either a galvanized sill pan base with 5 steel beams or a steel truss designed cambered arch bridge. Deck will be all souther yellow pine double decked or approved alternate. Horizontal rails will be 42". Design will be based on a bridge typically built by Custom Manufacturing.

The existing bridge will be removed as part of this project. The new bridge crossing will be installed using BMP's to minimize any soil erosion. No fill will be brought in or displaced as part of this project.

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:	12'x60'	12'x60'
Bridge Manufacturer:	Anderson Bridges	Custom Manufacturing
Design Weight Load	25,000 lbs.	25,000 lbs.
Cost of Structure:		
1. Engineering	\$ 4,000	\$ 3,000
2. Structure	\$ 63,000	\$ 91,800
Subtotal	\$ _____	\$ _____

	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	\$ _____	\$ _____
2. Site Preparation	\$ 5,000	\$ 12,000
3. Abutments	\$ 10,000	\$ _____
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ 2,000	\$ _____
7. Labor	\$ 5,000	\$ 1,800
8. Equipment Rental	\$ _____	\$ 3,000
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other <u>Delivery</u>	\$ _____	\$ 1,200
Subtotal	\$ _____	\$ _____
Total Cost	\$ 89,000	\$ 112,800

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	\$ _____



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

PROPOSAL

February 29, 2024

To: Eau Claire County Snowmobile Trail Administrator

Re: Snowmobile Bridge Budget

- 1 - **60' 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 abutments**
 - Loads: **85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load**
 - FOB: **Eau Claire County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$89,000

• Structure (Steel Truss)	\$63,000
• Engineering	\$4,000
• Soil Testing	\$0
• Site Prep	\$5,000
• Abutments	\$10,000
• Labor	\$5,000
• Rip Rap	\$2,000

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

Please call with any questions.

Thank you,

Kory S. Weathers



Custom Manufacturing, Inc.

606 Delco Drive, P.O. Box 279
Clinton, WI 53525
608-676-2282 Fax: 608-676-2283
tina@custommfginc.com

Quotation 6428

Please Indicate The Above Number When Ordering

Date: March 6, 2024	Salesperson: Tina Forrest
Inquiry Date:	Inquiry Number

To: Eau Claire County Parks & Forest Dept
227 1st Street West
Altoona, WI 54720

Estimated Ship Date	Shipped VIA	F.O.B	Terms	
8 – 12 weeks	Best way	Clinton, WI	Net 30	
	Description		Price	Total
	2024 GRANT APPLICATION ESTIMATE Fall Creek Bridge			
1	60' Arched Bridge x 12' Wide - 25,000# Load Double Decked - 42" Horizontal Railing – Hardware On 2 sets of Galvanized Sill Pans		\$ 91,800.00	
	Stamped Engineered Drawings		3,000.00	
	Installation & Site Preparation		12,000.00	
	Equipment Rental		3,000.00	
	Removal & Disposal		1,800.00	
	Delivery Charges		1,200.00	
	Total			\$ 112,800.00
	Above prices do not include sales tax or any necessary permits.			
	Bridge kit includes all Steel I-Beams and Crossmembers, which are predrilled and have a red oxide primer finish, MCA Southern Yellow Pine treated lumber and all hardware. All lumber is Pre Stained.			
	Bridge Kit Meets - WI DNR Guidelines – 25,000# Load			

We are pleased to submit the above quotation for your consideration. Should you place an order, be assured it will receive our prompt attention. This quotation is valid for 30 days. Thereafter it is subject to change without notice.

BY: Tina Forrest ACCEPTED: _____ DATE: _____

Guidelines for Applicant

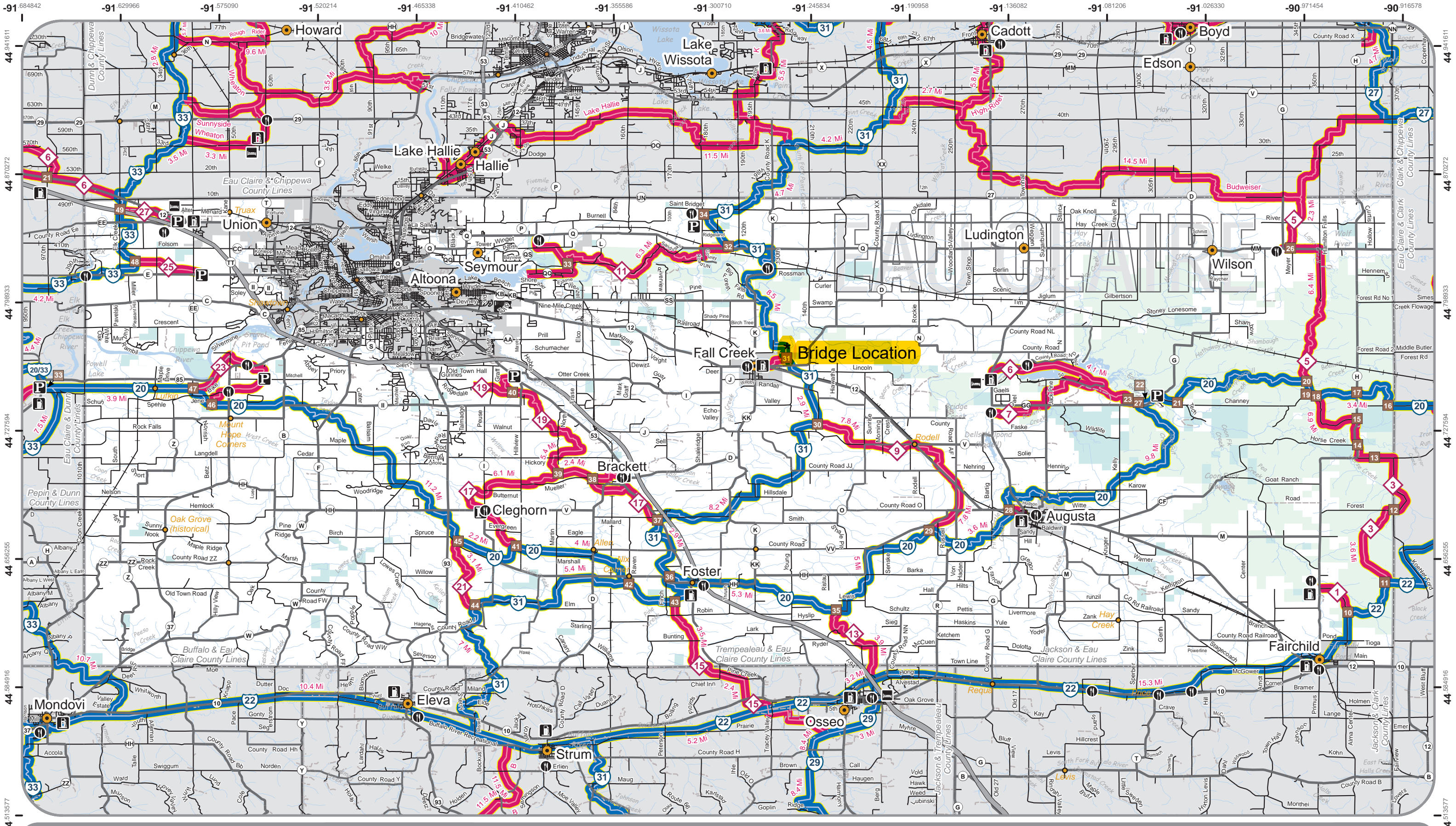
Complete this form for each bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.






Category		Possible Points	Actual Points
1	Condition of the Structure (max of 10 points)		
	Has a certified bridge inspection report that supports the project & demonstrates need (see example, must provide copy of report by August 1 for 2024 only)	10	10
2	Permits (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	1
	Permit in hand / Bridge already permitted	3	
3	Funding (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)?	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	
	10 or more year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road</u> 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 trail to the nearest road</u> on each side of the bridge	4	
	10 or more year deeded easement on private land or other public land, for <u>just the bridge site</u>	3	
	3-9 deeded easement on private land or other public land, for <u>just the bridge site</u>	2	
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	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	1	
	20 miles or more	3	3
	No other snowmobile trails connect. Explain:	4	
	DEDUCTIONS		
6	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	
GRAND TOTAL			15



Comments/Notes:






Re-routing around this bridge would require looping back around Augusta and heading north. Approximate mileage for this would be 61.7 miles for rerouting.

Inspection report will be forthcoming for this structure.





Corridor Trail 
 Club Trail 
 Highway 
 County Rd 
 Other Rd 



 0 1 2 Miles

 Food
 Fuel
 Lodging
 Parking
 Intersection

Trail Conditions

Click eccosnow.org Call (715) 839-4738

Eau Claire County Snowmobile Trail Map - 2016/2017 ~ The Associated Snowmobile Clubs of Eau Claire County, Wisconsin Inc.

Stay on Trail or Stay Home! ~ Join a Club and Support the Sport We Love!

No liability assumed as to trails, their condition or accuracy, machines and individuals ~ Please Respect Private and No Trespassing Signs ~ Stay on Trails ~ Use Extreme Caution on Lakes, Streams and Roads Obey All State Laws and Local Ordinances ~ Do Not Operate Snowmobiles on State Highways or County Roads ~ Operation of Snowmobiles Off of Marked Trails is in Violation of Wisconsin Trespass Law

Map By **VVmapping.com**

Also available for your GPS



Air Photo Map



Legend

+ Railroads



0.1 0 0.03 0.1 Miles



NAD_1983_HARN_Wisconsin_TM

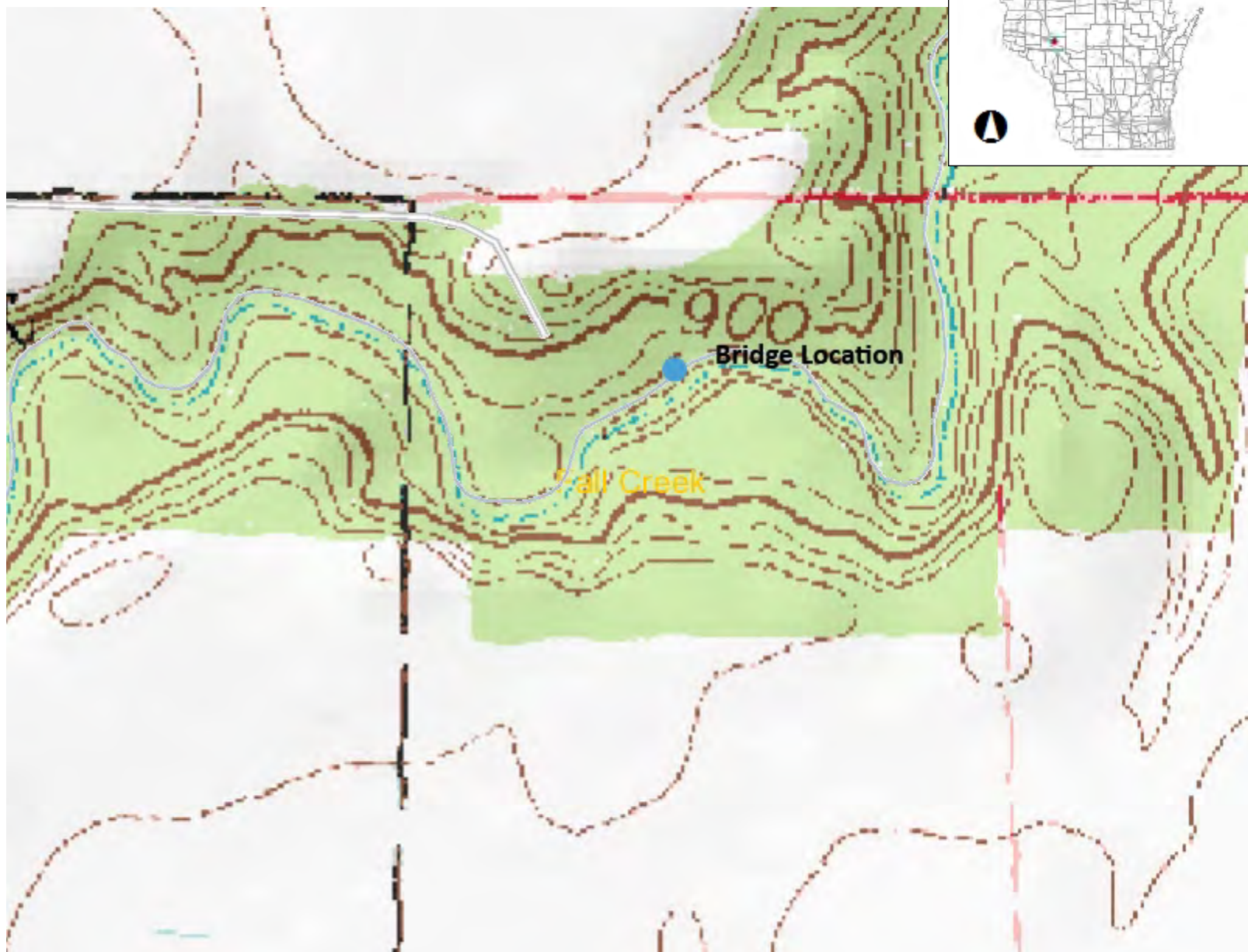
1: 1,980

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

Notes



Topo Map



- Legend**
- Municipality
 - State Boundaries
 - County Boundaries
 - Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
 - County and Local Roads**
 - County HWY
 - Local Road
 - Railroads
 - Tribal Lands
 - Railroads
 - Rivers and Streams
 - Intermittent Streams
 - Lakes and Open water
 - 24K USGS Quad Index - Level 7 - 16



NAD_1983_HARN_Wisconsin_TM

1: 3,960

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Notes



Wetland Map



- Legend**
-  Wetland Indicators
 -  NRCS Wetspots
 -  Railroads



NAD_1983_HARN_Wisconsin_TM

1: 1,980

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Notes















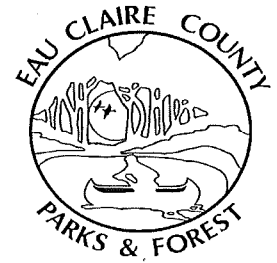






**Eau Claire County
PARKS & FOREST DEPARTMENT**

227 1ST Street West
Altoona WI 54720
715-839-4783 • FAX 715-839-6277



Josh Pedersen - Director

EAU CLAIRE COUNTY

Recreation Bridge Placement Agreement

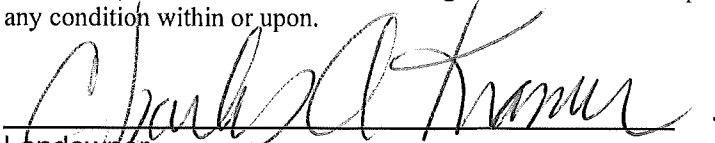
AGREEMENT made this 7th day of March 2023, between Eau Claire County Parks and Forest Department (the "COUNTY") of Altoona, Wisconsin 54720 and Charles and Lana Kramer (the "landowner").

The Landowner does hereby consent to the placement of a snowmobile on my property located in the NE 1/4 of the NW 1/4, Section 5, T-26-N, R-7-W, Town of Lincoln with the following conditions:

- Eau Claire County is the sole owner of the bridge and as such is responsible for all construction and maintenance costs for the entire life of bridge.
- Access to bridge site for bridge construction and maintenance shall be performed at such a time which is agreeable to Landowner.
- Landowner agrees to allow County and/or DNR staff to enter property for inspection of bridge structure.
- Landowner agrees to allow County to act as authorized agent for the purpose of securing all necessary local and/or state permitting for bridge.
- Landowner agrees to allow snowmobile access across said bridge for a minimum of 20 years. Eau Claire County is responsible for removing the bridge structure if this agreement is discontinued.
- Landowner agrees to only use structure for its designed intended use and capacity.
- If this agreement is terminated for any reason the County as the owner will remove the bridge.

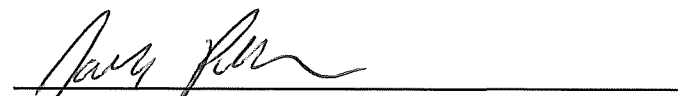
This AGREEMENT shall be transferred to succeeding landowners for a time period not less than 20 years following bridge placement.

The County or Landowner reserves the right to discontinue this permit upon 30 days written notice of violation of any condition within or upon.



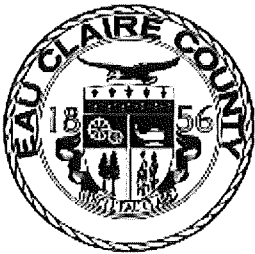
Landowner

3-21-2027
Date



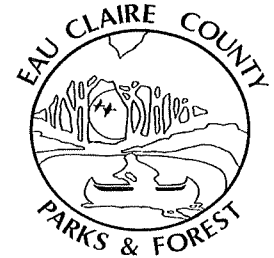
Eau Claire County

3/7/2023
Date



**Eau Claire County
PARKS & FOREST DEPARTMENT**

227 1ST Street West
Altoona WI 54720
715-839-4783 • FAX 715-839-6277



Josh Pedersen - Director

EAU CLAIRE COUNTY

Recreation Bridge Placement Agreement

AGREEMENT made this 8th day of April 2024, between Eau Claire County Parks and Forest Department (the "COUNTY") of Altoona, Wisconsin 54720 and James Strauch (the "landowner").

The Landowner does hereby consent to the placement of a snowmobile on my property located in the SE¼ NW ¼, Section 21, T-26-N, R-8-W, Town of Washington with the following conditions:

- Eau Claire County is the sole owner of the bridge and as such is responsible for all construction and maintenance costs for the entire life of bridge.
- Access to bridge site for bridge construction and maintenance shall be performed at such a time which is agreeable to Landowner.
- Landowner agrees to allow County and/or DNR staff to enter property for inspection of bridge structure.
- Landowner agrees to allow County to act as authorized agent for the purpose of securing all necessary local and/or state permitting for bridge.
- Landowner agrees to allow snowmobile access across said bridge for a minimum of 20 years. Eau Claire County is responsible for removing the bridge structure if this agreement is discontinued.
- Landowner agrees to only use structure for its designed intended use and capacity.
- If this agreement is terminated for any reason the County as the owner will remove the bridge.

This AGREEMENT shall be transferred to succeeding landowners for a time period not less than 20 years following bridge placement.

The County or Landowner reserves the right to discontinue this permit upon 30 days written notice of violation of any condition within or upon.

James Strauch
Landowner

4-10-24
Date

Josh Pedersen
Eau Claire County

4-11-24
Date



Trail Bridge Inspection

Eau Claire County

Bridge Name

Fall Creek Trail Bridge

Inspected By:

William S. Knaack Jr, P.E.
William S. Knaack Sr.

6/17/24

Prepared By

KBIS, LLC



Bridge # Fall Creek Trail Bridge



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.

Location information/General Description:

Located Near the end of Kopplin Road, just NE of Fall Creek proper.

Bridge Condition

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

This bridge substructure and deck are failed. Replacement should be considered immediately.

The piling for the pier are crushing and rotted. For all practical purposes, the superstructure is resting on the earth. CS4

There are 4 girders spaced just for a groomer load. The 2 internal girders have no structural support except the ground, CS4.

Cannot see the abutments due to being covered with earth materials. Assumed to be sitting on a sill.

Wearing surface/deck is CS3/4 decay, several holes present, the material is past useful life.

Railing has CS2 cracks, for 6LF.

All 4 object markers and 2 bridge ahead signs are CS1.

Both approaches are CS3 drops right at the bridge.

Length, West 14, Main 32, East 12, total 55 ft, 11.7 ft wide, 9+ feet clearance.



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	# 3	
Wearing Surface	#3	
Superstructure	# 2	
Substructure	# 2	
Channel	# 6	

Overall Condition Critical

Recommendations/Maintenance Items:

*****This bridge needs to be replaced as soon as possible. If not replaced, it should not be used. The pilings under the bridge are failed and can no longer hold the super structure, and 2 of the 4 girders on the superstructure are not bearing/no support under on the substructure. Failure is imminent if used with loads.

Signed By:

William S. Knaack Jr., P.E.

Bridge Inspection Report

Photo Observations



Looking North

Bridge Inspection Report

Photo Observations



Failed East Pier

Bridge Inspection Report

Photo Observations



Failed West Pier

Bridge Inspection Report

Photo Observations



Extra support of Failed West Pier.

Bridge Inspection Report

Photo Observations



East Bridge Ahead Sign

Bridge Inspection Report

Photo Observations



Looking West. East Object markers East end.

Bridge Inspection Report

Photo Observations



West Bridge Ahead Sign

Bridge Inspection Report

Photo Observations



CS4 wearing surface East end.