

A-49 Shawano Lake Bridge and Loop

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)

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- ☐ 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				Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input type="checkbox"/> Select if the same as applicant.			
Shawano County							
Individual Authorized to Act on Behalf of Applicant per Resolution				Check Recipient Name (Name to Appear on Check)			
Keith Marquardt				Debra Wallace			
Title				Title			
Parks Director				County Treasurer			
Address				Address			
W5785 Lake Drive				311 N Main St			
City	State	ZIP Code	City	State	ZIP Code		
Shawano	WI	54166	Shawano	WI	54166		
Telephone Number			Email Address				
(715) 526-5216			keith.marquardt@shawanocountywi.gov				

Section 2: Project Information Required for all Projects

Project Title						Current Funded Miles	New Miles (if applicable)
2025-2026 Murray Creek Bridge						SN 475.9 ATV 556.6	
County	Township	Range	Section	1/4 1/4	1/4	GPS Coordinates:	
Shawano	27 N	16 ^{XE} _{OW}	28	SE	SE	Lat. _____	Long. _____

160' x 12' bridge

- 70' Arched Center Span on 48" Swamp Pans on Riser Legs (61' clear span)
- 45' Approaches on Both Sides on 24" Swamp Pans
- #25,000 Load Rating
- Riprap on creek shore per WI DNR Specs
- 42" Trail Railing
- Double 2x10 treated deck.
- Installation (14-15 Working Days)
- Shipping
- Stamped Engineering Drawings

Shawano County, in conjunction with the Wi Trail Lake Runners ATV club, propose to develop approximately 1 mile of ATV/UTV trail across an airport property, with a 12' x 160' bridge. This trail will complete a road-route riding loop around Shawano Lake.

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
			\$219,600			\$219,600

Leave Blank – DNR Use Only

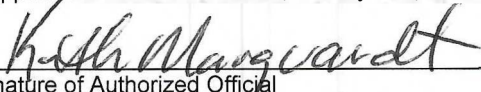
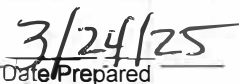
Applicant Certification

Printed Name of Authorized Official	Official's Title
Keith Marquardt	Shawano County Parks 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

Date Prepared

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

☐ Bridge Rehab/Replace ☒ New Bridge ☐ Reroute with new bridge

County	Township	Range	Section	1/4 1/4	1/4	GPS Coordinates: Lat. 44.7829 Long. -88.55746
Shawano	27 N	16	28	SE	SE	
Water Body Name			Bridge Name		County Inventory Number	
Murray Creek			N/A		N/A	
Funded Trail Name or Number (SNARS if applicable)			Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No Year: _____ \$ _____			
N/A						
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property			Old Bridge/Culvert Size _____ New Bridge/Culvert Size 160x12			
Landowner Where Bridge is Located			Telephone Number		Length of Trail Use Agreement (5 year minimum)	
Shawano County Municiple Airport					Perpetuity	
Current maximum load _____ lbs.		Age of Bridge		Bridge Material		
Proposed maximum load 25,000 lbs.		N/A		N/A		
Sponsoring Club Name			Club Contact		Telephone Number	
Wi. Trail Lake Runners ATV/UTV Club LLC.			Terry Hoffman		(414) 333-2284	
Do you have your trail bridges posted as to maximum load? <input type="radio"/> Yes <input checked="" type="radio"/> No			What is the maximum load of the other bridges on the system if groomed with this bridge? N/A			
What is the weight of your puller & drag/grading equipment? N/A						
What other recreational trail uses are planned for this bridge? Hiking, Snowmobiling, Mountain Biking, ETC.						
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users? None						

- ☒ 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

- 160' x 12 Bridge
- 70' Arched Center Span on 48" Swamp Pans on Riser Legs (61' clear span)
- 45' Approaches on Both Sides on 24" Swamp Pans
- #25,000 Load Rating
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Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure			
		Quote 1	Quote 2
		<input type="radio"/> Steel <input checked="" type="radio"/> Wooden	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden
Bridge Dimensions:		160x12	160x12
Bridge Manufacturer:		Custom Manufacturing	Anderson Bridges
Design Weight Load		25,000 lbs.	25,000 lbs.
Cost of Structure:	1. Engineering	\$	\$ 20,000
	2. Structure	\$ 175,000	\$ 270,000
	Subtotal	\$ 175,000	\$ 290,000
		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	\$ 4,000	\$
	2. Site Preparation	\$ 34,200	\$ 10,000
	3. Abutments	\$	\$ 40,000
	4. Pilings/Piers	\$	\$
	5. Approaches	\$	\$
	6. Riprap	\$	\$ 10,000
	7. Labor	\$	\$ 20,000
	8. Equipment Rental	\$ 4,200	\$
	9. Culverts	\$	\$
	10. H & H Study	\$	\$
	11. Wetland Delineation	\$	\$ 400
	12. Other Shipping	\$ 2,200	\$
	Subtotal	\$ 44,600	\$ 80,400
	Total Cost	\$ 219,600	\$ 370,400

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

Entire Deck and Railing Projects		<input checked="" type="radio"/> Contractor	<input type="radio"/> Sponsor	<input type="radio"/> Club
Bridge Dimensions:	160x12			
Design Weight Load	25,000 lbs.			
1. Materials	\$ 219,600			
2. Labor	\$			
Total	\$ 219,600			

From: J.V. Krebs <jv@custommfginc.com>
Sent: Monday, December 18, 2023 9:32 AM
To: Terry Hoffman <hofftk@hotmail.com>
Subject: RE: Bridge Crossings

Terry,

I've updated the estimate for a 12' bridge with a 25,000 lbs. load capacity and provided answers to your questions below.

1. Installation is included in the estimate, done by our expert crew. With the larger bridge installation will be closer to 14 days.
2. Weight Load can be adjusted to your requirements, Original bridge estimated was a 14,000 lbs. load, This updated estimate is for a 25,000 lbs. load.
3. Per the prints provided, the bridge is made of steel I-beams on steel footings. The decking is 2x10 Brown-Stained Treated Southern Yellow Pine. A Double deck is needed for the 25k load rating, so there is a wear deck on top of the base deck. The Railing is wood as well. The photos below show similar bridges.

160' x 12 Bridge – Budgetary Estimate \$230,000 - \$250,000

- 70' Arched Center Span on 48" Swamp Pans on Riser Legs (61' clear span)
- 45' Approaches on Both Sides on 24" Swamp Pans
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However, we will have to go through Engineering before we know an accurate price.
This should be fairly close though.

12' x 160' Single Rail Pedestrian Trail Bridge

Treated Pine

7 Sections (Requires Center Piers)

Single Handrail (Guiderail Height)

Estimated 100 PSF Load Beams

Flat Beams

Unstained

Galvanized Hardware

Does Not Include Assembly

Base Cost = \$156,870.00

Stamped Engineered Drawings = \$1799.00

Shipping = \$6390.00

Total = \$165059.00

Thank You,

Robert Imbrogno- Project Advisor

Fifthroom.com

Toll Free: 1.888.293.2339 Ext 246

Text Us: 1-888-707-8275

Fifthroom.com

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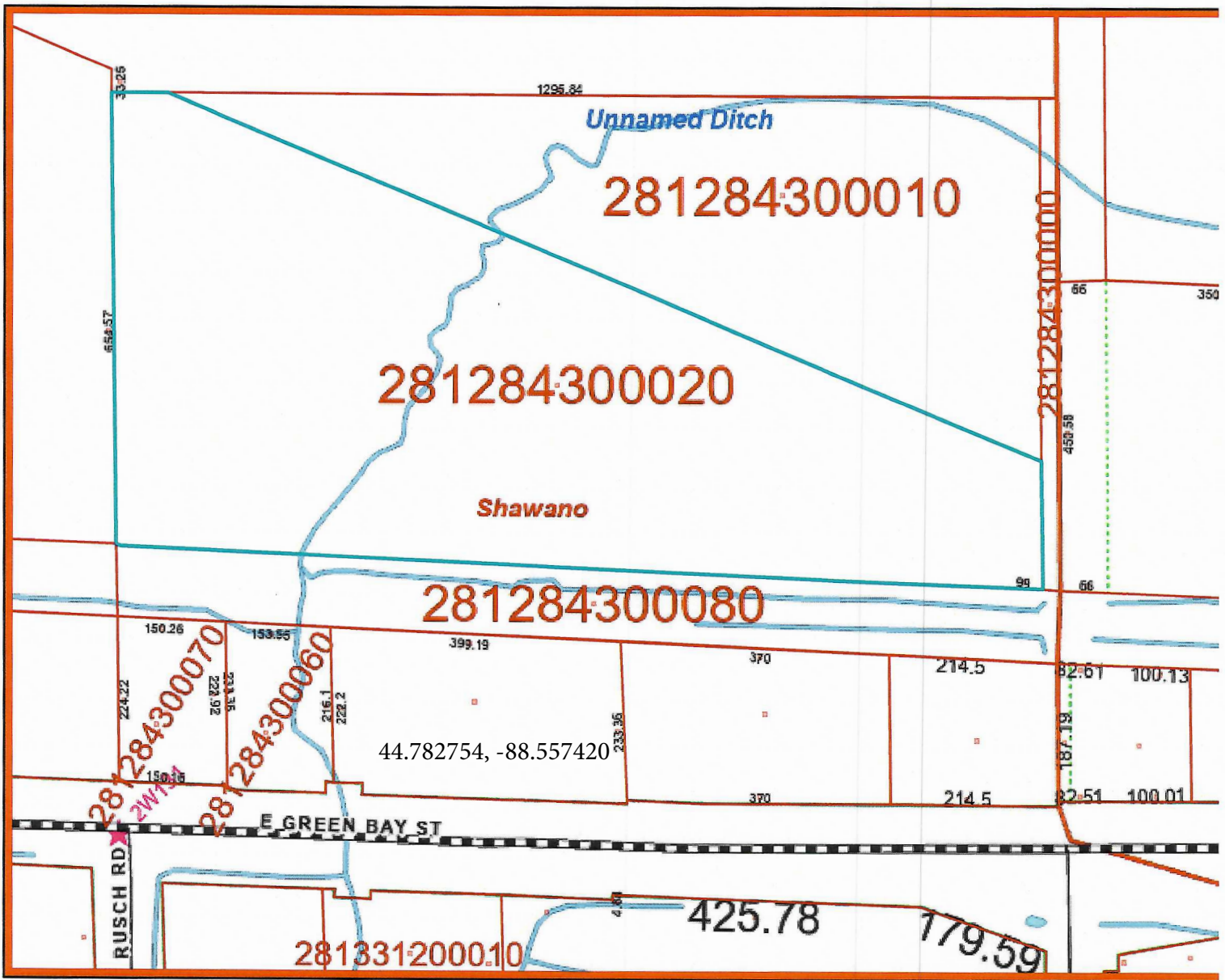
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lays nearby



Trail

Shawano County GIS Map



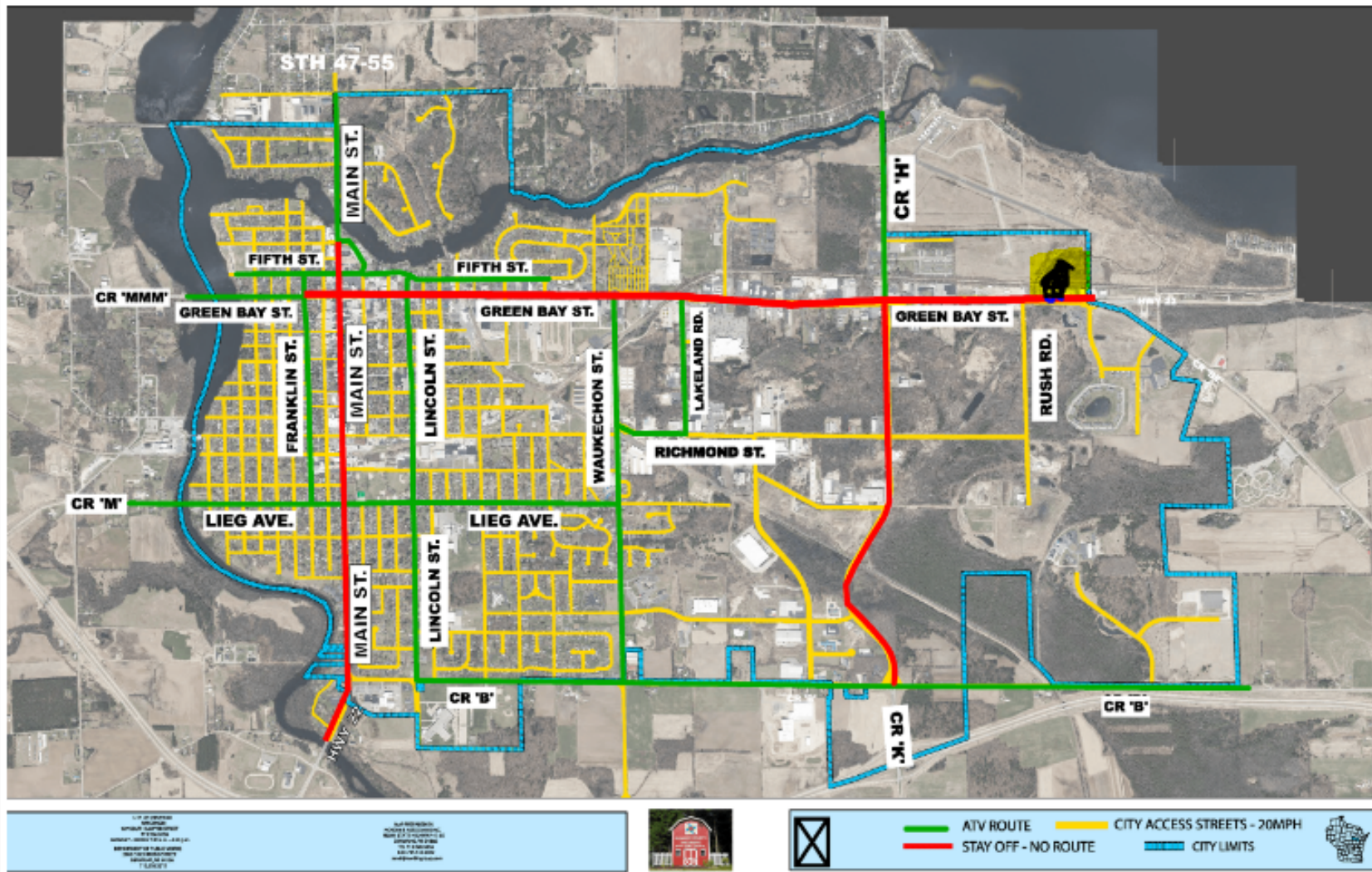
November 3, 2023



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This map is for informational purposes only. Shawano County is not responsible for any inaccuracies contained within and no warranties or representations are made.

CITY OF SHAWANO ATV ROUTES



Example of Structure

