

78 Shawano Murray Creek Bridge Rehab

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 Shawano County			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 Keith Marquardt			Check Recipient Name (Name to Appear on Check) Debra Wallace		
Title Parks Director			Title County Treasurer		
Address W5785 Lake Drive			Address 311 N Main		
City Shawano	State WI	ZIP Code 54166	City Shawano	State WI	ZIP Code 54166
Telephone Number (715) 526-5216		Email Address keith.marquardt@shawanocountywi.gov			

Section 2: Project Information Required for all Projects

Project Title 2024-2025 Trail Maintenance Funding				Current Funded Miles SN 475.9 ATV 556.6	New Miles (if applicable)
County Shawano	Township N	Range ○ E ○ W	Section ¼ ¼	¼	GPS Coordinates: Lat. _____ Long. _____

Project Description Summary

Maintenance activities include trail grooming, trail mowing & brushing, trail sign repairs and erection along routes, bridge & culvert repairs, plowing of parking lots and access roads, grading/bulldozing of trail surfaces, transportation of grooming equipment as needed, as well as administrative fees with Shawano County. All clubs utilize A Class power units. Easements are on file for use of private lands. (Note): New Miles funding does not require any development dollars. Trails are currently existing and being maintained by the respective club clubs.

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

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
\$198,430.00						\$198,430.00

Leave Blank – DNR Use Only

Applicant Certification

Printed Name of Authorized Official Keith Marquardt	Official's Title Shawano County Parks Director
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As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.

Keith Marquardt
 Signature of Authorized Official

4/4/24
 Date Prepared

Motorized Recreation Grant Application

Form 8700-159 (R 04/22)

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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 Shawano	Township 27 N	Range 16	Section <input checked="" type="radio"/> E <input type="radio"/> W	¼ ¼ 28 SE SE	GPS Coordinates: Lat. 44.7829 Long. -88.55746
Water Body Name Murray Creek			Bridge Name N/A		County Inventory Number N/A
Funded Trail Name or Number (SNARS if applicable) N/A			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 _____ New Bridge/Culvert Size 160x12		
Landowner Where Bridge is Located Shawano County Munciple Airport			Telephone Number	Length of Trail Use Agreement (5 year minimum) Perpetuity	
Current maximum load _____ lbs.		Age of Bridge		Bridge Material	
Proposed maximum load 25,000 lbs.		N/A		N/A	
Sponsoring Club Name Wi. Trail Lake Runners ATV/UTV Club LLC.			Club Contact Terry Hoffman		Telephone Number (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					
<input checked="" type="radio"/> Yes <input type="radio"/> No Have you contacted your local <u>DNR Water Management Specialist (WMS)</u> regarding a permit?					
<input checked="" type="radio"/> Yes <input type="radio"/> No Is a permit needed? (Please provide any written correspondence from WMS.)					
<input checked="" type="radio"/> Yes <input type="radio"/> No Have you contacted your County Zoning Dept. regarding a floodplain determination?					
<input type="radio"/> Yes <input checked="" type="radio"/> 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
 - Riprap on creek shore per WI DNR Specs
 - 42" Trail Railing
 - Double 2x10 treated deck.
 - Installation (14-15 Working Days)
 - Shipping
 - Stamped Engineering Drawings

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

	Quote 1	Quote 2
	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden	<input checked="" type="radio"/> Steel <input type="radio"/> Wooden
Bridge Dimensions:	<u>160x12</u>	<u>160x12</u>
Bridge Manufacturer:	<u>Custom Manufacturing</u>	<u>Fithroom.com</u>
Design Weight Load	<u>25,000 lbs.</u>	<u>19,500 lbs.</u>
Cost of Structure:		
1. Engineering	\$ _____	\$ <u>1,799</u>
2. Structure	\$ <u>250,000</u>	\$ <u>156,870</u>
Subtotal	\$ <u>250,000</u>	\$ <u>158,669</u>

	Quote 1	Quote 2
	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input checked="" type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ _____	\$ <u>5,000</u>
3. Abutments	\$ _____	\$ _____
4. Pilings/Piers	\$ _____	\$ <u>14,500</u>
5. Approaches	\$ _____	\$ <u>4,500</u>
6. Riprap	\$ _____	\$ <u>6,500</u>
7. Labor	\$ _____	\$ <u>56,500</u>
8. Equipment Rental	\$ _____	\$ <u>6,500</u>
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ <u>350</u>
12. Other _____	\$ _____	\$ _____
Subtotal	\$ _____	\$ <u>93,850</u>
Total Cost	\$ <u>250,000</u>	\$ <u>252,519</u>

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

Entire Deck and Railing Projects Contractor Sponsor Club

Bridge Dimensions:	<u>160x12</u>
Design Weight Load	<u>25,000 lbs.</u>
1. Materials	\$ <u>250,000</u>
2. Labor	\$ _____
Total	\$ <u>250,000</u>

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
- #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



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

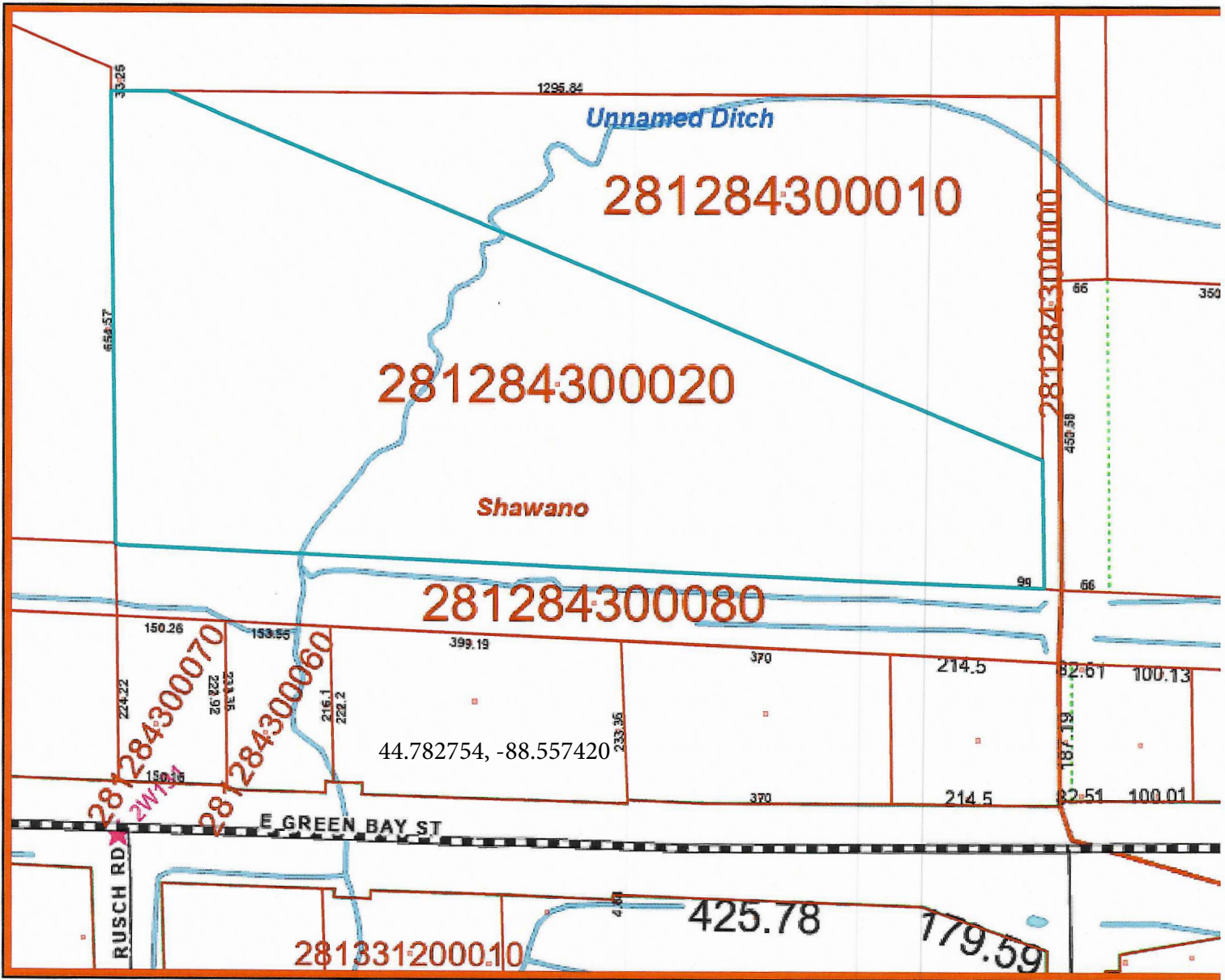
Text Us: 1-888-707-8275

Fifthroom.com

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Fifthroom.com | 5410 Route 8 | Gibsonia, PA | 15044

Shawano County GIS Map



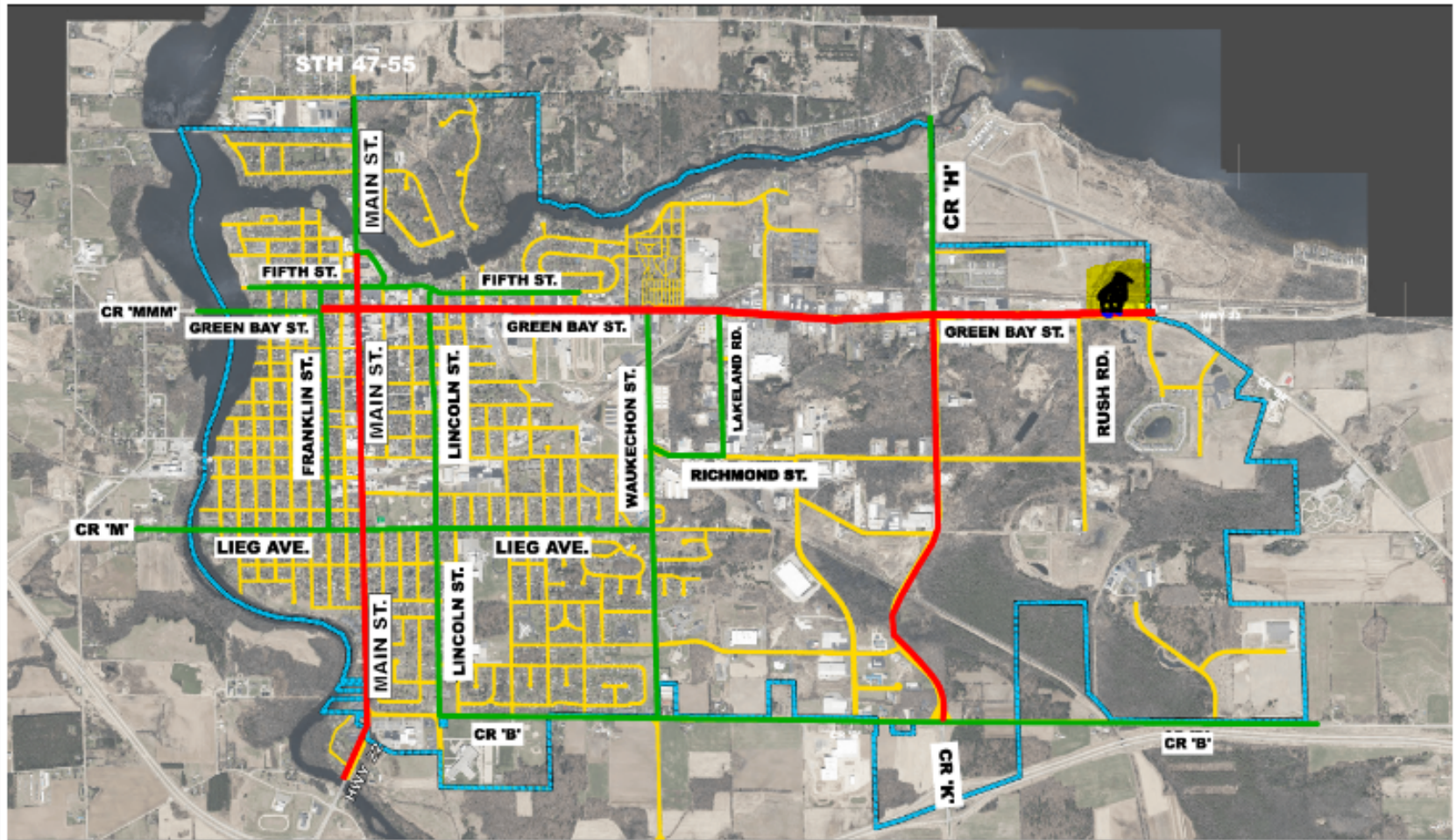
November 3, 2023

- | | | | | |
|----------|--------------------|------------|----------------|-----------------|
| Parcels | Parcel Number Anno | Cartolines | Local | County Boundary |
| PDim 100 | ROWs | Historical | Water Bodies | PLSS Corners |
| PDim 400 | | Roads | Municipalities | |
| | | State | | |



This map is for inf on an as-is basis. Shawano County is not responsible for any inaccuracies contained within and no warranties or representations cont

CITY OF SHAWANO ATV ROUTES



City of Shawano
 Planning Department
 1000 W. Main St.
 Shawano, WI 54226
 920.838.2222
 www.cityofshawano.com

Map prepared by:
 City of Shawano
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- ATV ROUTE
- STAY OFF - NO ROUTE
- CITY ACCESS STREETS - 20MPH
- CITY LIMITS



Ct
vano
67°
t traffic in this area
lays nearby



Trail