

#16 Ashland Bridge 5 Replacement

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)

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 Ashland 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 Chris Hoffman			Check Recipient Name (Name to Appear on Check)		
Title Forest Administrator			Title		
Address PO Box 155, 304 W. Michigan St.			Address		
City Butternut	State WI	ZIP Code 54514	City	State	ZIP Code
Telephone Number 715-769-3777		Email Address chris.hoffman@ashlandcountywi.gov			

**Section 2: Project Information Required for all Projects**

Project Title Trail #13, Bridge #5					Current Funded Miles	New Miles (if applicable)
County Ashland	Township 41 N	Range 1	Section 21	1/4 1/4 SE	1/4 NE	GPS Coordinates: Lat. 46.017 Long. -90.489

**Project Description Summary**

- Located approximately 1 miles NE of Butternut, off Highway F.
- Landowner is John and Anna Christian.
- Bridge inspection indicates bridge needs to be closed immediately and not used. Bridge needs to be replaced

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

**Estimated Cost**

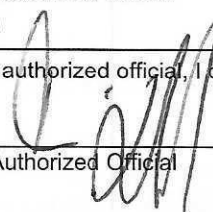
Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
Leave Blank – DNR Use Only				\$102,600	\$102,600	

**Applicant Certification**

Printed Name of Authorized Official Chris Hoffman	Official's Title Ashland County Forest Administrator
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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.

Signature of Authorized Official



Date Prepared

4-2-2024



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:	70'x12'	55'x12'
Bridge Manufacturer:	Anderson Bridges	Custom Manufacturing
Design Weight Load	25000 lbs.	25000 lbs.
Cost of Structure:		
1. Engineering	\$ 4000	\$ 3000
2. Structure	\$ 74000	\$ 78000
<b>Subtotal</b>	<b>\$ 78000</b>	<b>\$ 81000</b>

	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
<b>Installation Costs:</b>		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ 5000	\$ 13800
3. Abutments	\$ 10000	\$ _____
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ 2000	\$ _____
7. Labor	\$ 5000	\$ _____
8. Equipment Rental	\$ _____	\$ 2700
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other <u>Demolition, Delivery</u>	\$ 7500	\$ 3600, 1500
<b>Subtotal</b>	<b>\$ 29,500</b>	<b>\$ 21,600</b>
<b>Total Cost</b>	<b>\$ 107,500</b>	<b>\$ 102,600</b>

**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** \$ \_\_\_\_\_

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	<b>Condition of the Structure</b> (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	<b>Permits</b> (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	<b>Funding</b> (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	<b>Length of Written Easements or Land Use Agreement</b> (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	
	10 or more year <b>deeded easement</b> 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 <b>deeded easement</b> 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 <b>deeded easement</b> on private land or other public land, for <u>just the bridge site</u>	3	
	3-9 <b>deeded easement</b> 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	<b>Miles Impacted</b> – 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	xxx
	20 miles or more	3	3
	No other snowmobile trails connect. Explain:	4	
<b>DEDUCTIONS</b>			
6	<b>County Active Project Deduction</b> (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	
<b>GRAND TOTAL</b>			<del>13</del> 15

Comments/Notes:



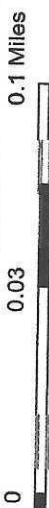
# Surface Water Data Viewer Map



- Legend**
- Township
  - Section
  - Quarter-Quarter
  - County Boundary
  - Cities, Towns & Villages
    - City
    - Village
    - Civil Town
  - Railroads

## Notes

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/>



1: 1,980

# Legend



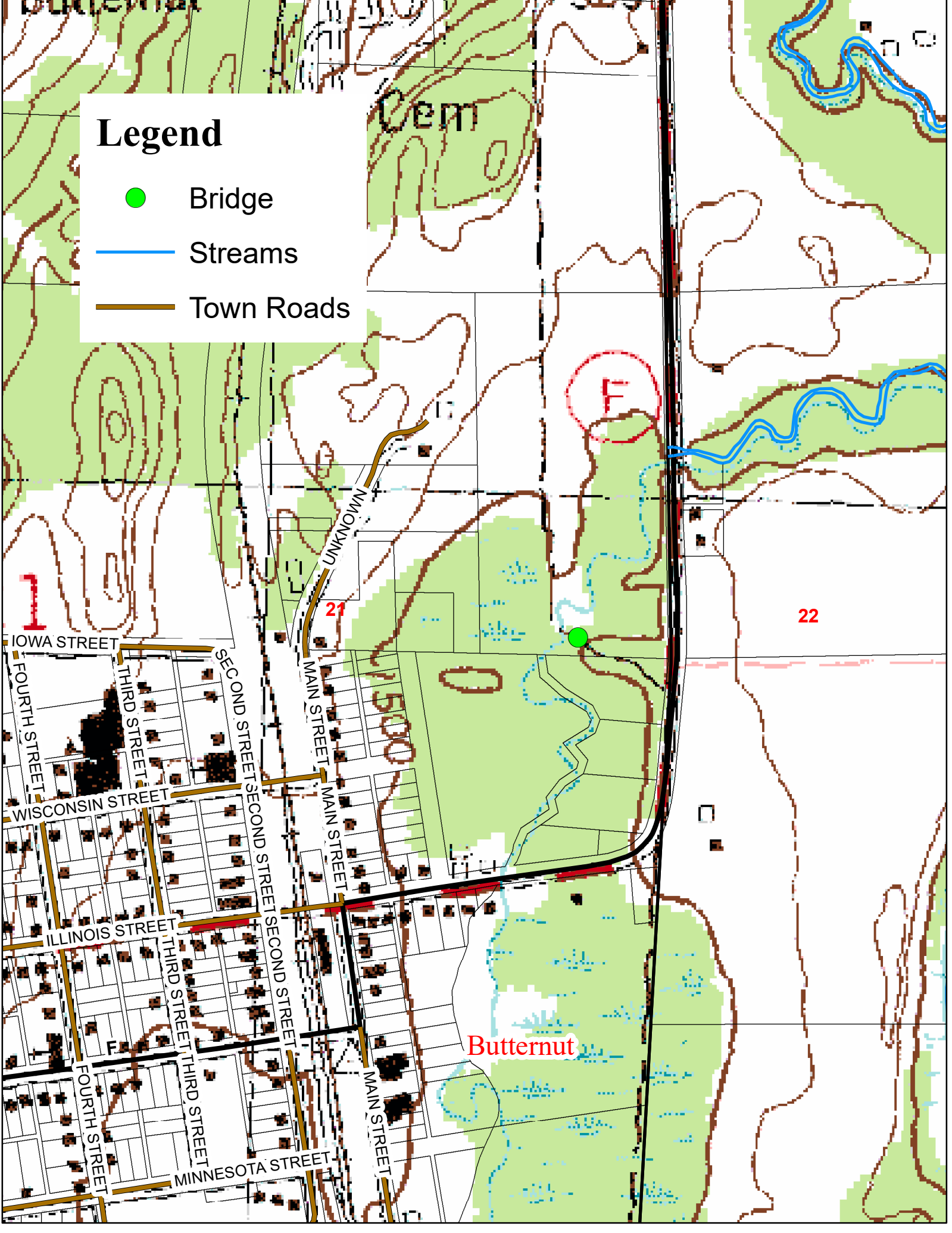
Bridge

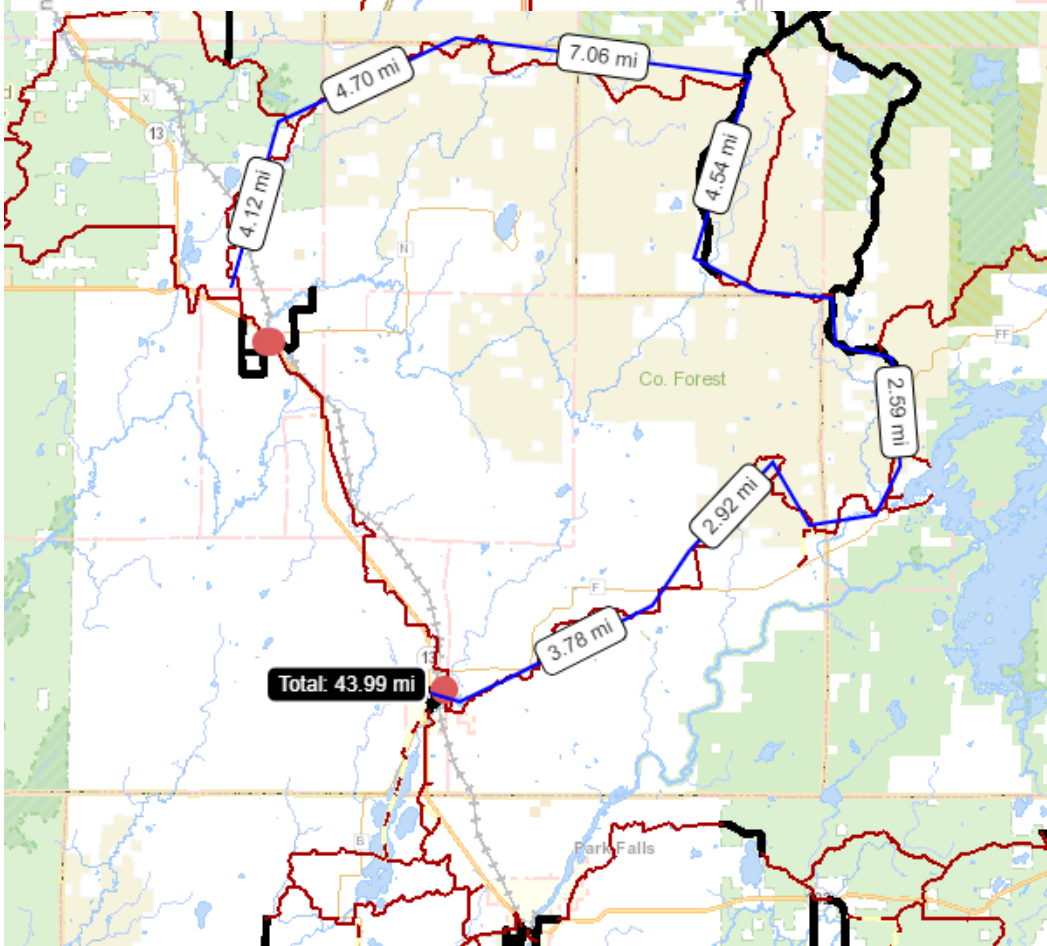
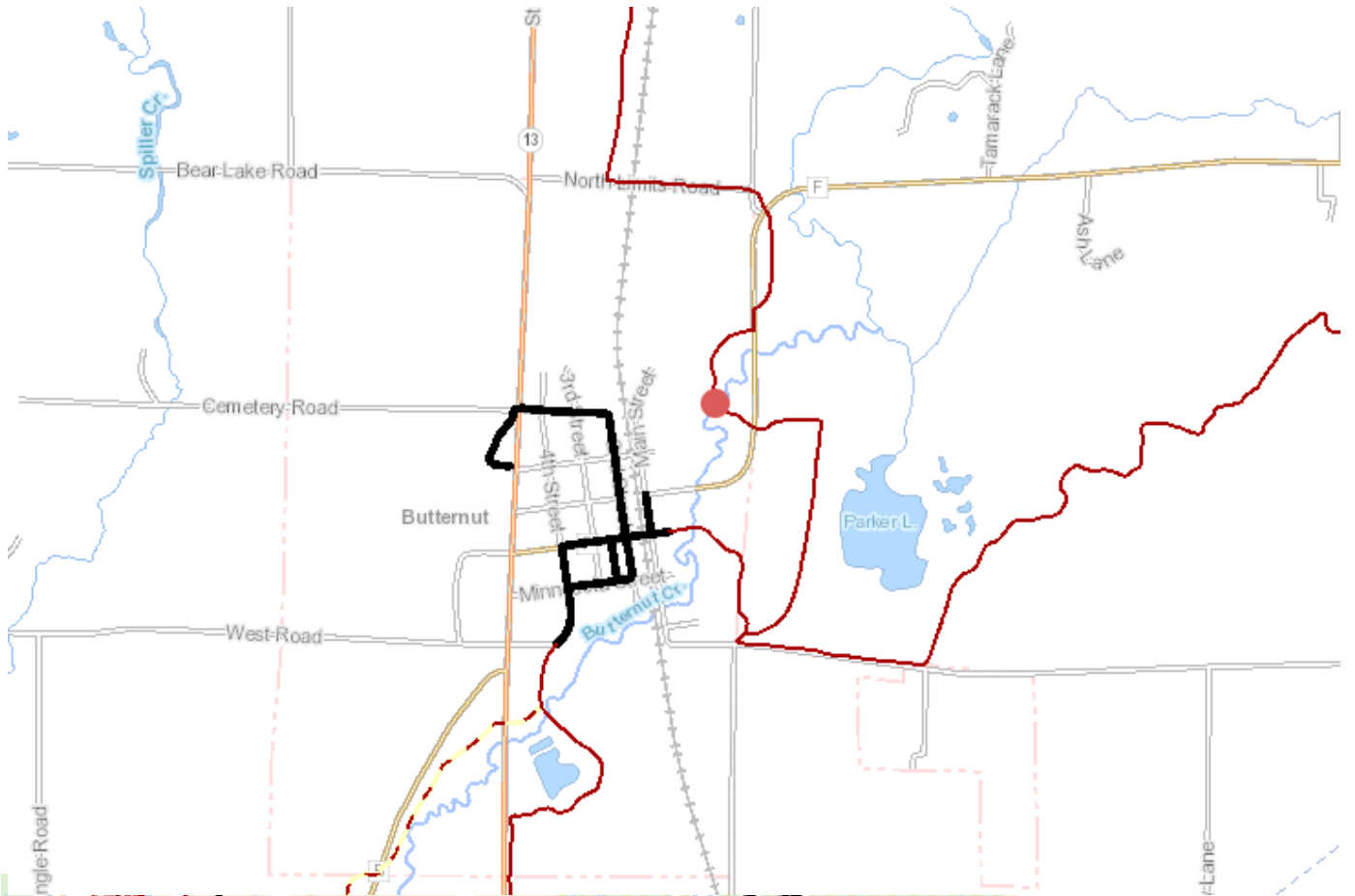


Streams



Town Roads





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

# PROPOSAL

March 27, 2024

To: Ashland County Snowmobile Trail Administrator

Re: Butternut and Schraum Creek Snowmobile Bridge Budget

- 1 - **70' x 12' (clear width) arched 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: **Ashland County, WI**
  - Engineered Drawings State Seal: **Wisconsin**

Price-----\$107,500 (each)

• <b>Structure (Steel Truss)</b>	<b>\$74,000</b>
• <b>Engineering</b>	<b>\$4,000</b>
• <b>Soil Testing</b>	<b>\$0</b>
• <b>Site Prep</b>	<b>\$5,000</b>
• <b>Abutments</b>	<b>\$10,000</b>
• <b>Labor</b>	<b>\$5,000</b>
• <b>Rip Rap</b>	<b>\$2,000</b>
• <b>Demolition</b>	<b>\$7,500</b>





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

# Quotation

64.58

Please Indicate The Above Number When Ordering

To: Ashland County Snowmobile Alliance  
 P.O. Box 345  
 Mellen, WI 53546

Date: March 28, 2024	Salesperson: Tina Forrest
Inquiry Date:	Inquiry Number

Estimated Ship Date	Shipped VIA	FOB	Terms
8-12 weeks	Best Way	Clinton, WI	Net 30
Description		Price	Total
1	2024 GRANT APPLICATION ESTIMATE Bridge #5  55' Arched Bridge x 12' Wide - 25,000# Load Double Decked - 42" Horizontal Railing - Hardware On 2 sets of Galvanized Sill Pans  Stamped Engineered Drawings Installation & Site Preparation (Gravel/Rip Rap) Equipment Rental Removal & Disposal (Dumpsters) of Existing Bridge Delivery Charges  <div style="text-align: right;">Total</div>	   \$ 78,000.00  3,000.00 13,800.00 2,700.00 3,600.00  1,500.00	          \$ 102,600.00
The 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: \_\_\_\_\_

Know all men of these presents, that the undersigned, JOHN CHRISTIAN, does hereby acknowledge, grant and convey unto Ashland County, Wisconsin, its successors and assigns, a 10 YEAR (TEN) easement to maintain, repair, replace and/or remove a bridge, used for recreational vehicles to cross BUTTERNUT CREEK that is located on the property described as follows:

PART OF SENE, SEC 21, T41N-R1W  
ASHLAND COUNTY

It is intended by these presents to grant unto the County of Ashland, the right for 10 YEARS (TEN) to maintain, repair, operate, replace and remove the aforementioned bridge located on the above described property, with the right of ingress and egress to and from the same, to make such repairs, changes, alterations, improvements, removals from, substitutions and additions to said bridge as Grantee may from time to time deem advisable.

IN WITNESS WHEREOF, JOHN CHRISTIAN have set their hands and seals this 8<sup>TH</sup> day of APRIL, 2024.

JOHN CHRISTIAN

Typed Name

*John Christian*

Signature

ACKNOWLEDGEMENT

STATE OF WISCONSIN

COUNTY OF ASHLAND

I, Thomas Er, a Notary Public in and for the above County and State, hereby certify that on this 8 day of April, 2024, before me personally appeared John Christian to me well known to be the person who executed the foregoing instrument and acknowledged the same.

*Thomas Er*

Notary Public, Ashland County, WI

My commission expires : 1-25-29





# Trail Bridge Inspection

## Ashland County

**Bridge Name**

Ashland 5

**Inspected By:**

Patrick Hampston, P.E.  
William S. Knaack Jr, P.E.

02/23/2024

**Prepared By**

KBIS, LLC





## Bridge Inspection Report

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### General Information

The structure in this report was inspected by certified Wisconsin Department of Transportation Bridge Inspectors. Both 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. A load rating is provided in conjunction with this report.

### Location information/General Description:

Approx. location is North of Butternut by a few miles just off of CTH F.

### Bridge Condition

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

Deck is weathered and checked, minor stud wear. 1 new and 1 completely worn board at West end. Minor curb damage.

Crude approach spans have been added to each end. The bridge could have been built up, but we are not ruling out the bridge is pushing out of the ground. The approach spans are bearing in the abutment backing boards and the ground. No formal bearing on the substructure.

No apparent tiebacks in place on the abutment walls.

The substructure of this bridge is pushing out of the ground and tipping. The piles are almost at 45 degree angles. The bottom of the piles are rotating towards the stream indicating very little embedment.

The superstructure is in poor condition with decay.

Both pile caps are rotating with the abutments, the bearing of the superstructure is being maintained by the drift pins.

No Bridge Ahead signs, Faded object markers.

Length 57 ft, Width 10, 11 ft, and 10 plus feet clearance on stream.



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

## Bridge Inspection Report

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### Report Summary

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

Deck	# 4
Superstructure	# 4
Substructure	# 3
Channel	# 4

Overall Condition      Poor

#### **Recommendations/Maintenance Items:**

\*\*\*\*Recommend closure and full replacement

Replace this structure immediately.

Barricade both ends of the structure to prevent use until replacement.

Signed By:

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William S. Knaack Jr., P.E.

## Bridge Inspection Report

### Photo Observations



Elevation View

## Bridge Inspection Report

### Photo Observations



West Abutment

## Bridge Inspection Report

### Photo Observations



East Abutment



## Bridge Inspection Report

### Photo Observations



Gaps in backing boards and gaps between the cap and piles.

## Bridge Inspection Report

### Photo Observations



Pile cap pushed of the piles.

## Bridge Inspection Report

### Photo Observations



Pile moving independent of piles caps.

## Bridge Inspection Report

### Photo Observations



Sag in pile cap.

## Bridge Inspection Report

### Photo Observations



West approach span

## Bridge Inspection Report

### Photo Observations



Damaged Railing

## Bridge Inspection Report

### Photo Observations



Rotating pile cap.

## Bridge Inspection Report

### Photo Observations



Crushing girders and approach span sitting on backing boards.



## Bridge Inspection Report

### Photo Observations



Approach span sitting on backing boards.

## Bridge Inspection Report

### Photo Observations



Looking West.

## Bridge Inspection Report

### Photo Observations



Looking North.

## Bridge Inspection Report

### Photo Observations



Poor Deck.

## Bridge Inspection Report

### Photo Observations



Approach and few replaced boards.

## Bridge Inspection Report

### Photo Observations



Deck boards.