

S-19 Ashland Bridge 1 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)

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 Ashland County			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. ☐ 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) Ashland County Treasurer, Tracy Hoglund		
Title Forest Administrator			Title County Treasurer		
Address 304 W. Michigan St, PO Box 155			Address PO Box 155		
City Butternut	State WI	ZIP Code 54514	City Butternut	State WI	ZIP Code 54514
Telephone Number 715-769-3777		Email Address chris.hoffman@ashlandcountywi.gov			

Section 2: Project Information Required for all Projects

Project Title Trail #16, Bridge #1					Current Funded Miles	New Miles (if applicable)
County Ashland	Township 45 N	Range 4	Section 8	1/4 1/4 NW	1/4 NE	GPS Coordinates: Lat. 46.414 Long. -90.849

Project Description Summary

Located approximately 1 mile N of Cty. Highway C, off Ovaska Road.

Landowner is Daryl Jolma.

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						

Applicant Certification

Printed Name of Authorized Official Chris Hoffman	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

4.7.2025
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 Ashland	Township 45 N	Range 4	☐ E ☒ W	Section 3	¼ ¼ NW	¼ NE	GPS Coordinates: Lat. 46.414 Long. -90.849
Water Body Name				Bridge Name		County Inventory Number	
Funded Trail Name or Number (SNARS if applicable) Trail 16				Has this bridge site ever received development or rehabilitation funds in the past? ☐ Yes ☒ No Year: _____ \$ _____			
Bridge is located on: ☒ Private property ☐ Public property				Old Bridge/Culvert Size 24.5'x11' New Bridge/Culvert Size 40'x12'			
Landowner Where Bridge is Located Daryl Jolma				Telephone Number		Length of Trail Use Agreement (5 year minimum) 10	
Current maximum load Unknown lbs.		Age of Bridge Unknown		Bridge Material Wood			
Proposed maximum load 25000 lbs.							
Sponsoring Club Name Ashland County Snowmobile Alliance				Club Contact John Westphal		Telephone Number 920-740-5020	
Do you have your trail bridges posted as to maximum load? ☐ Yes ☒ No				What is the maximum load of the other bridges on the system if groomed with this bridge?			
What is the weight of your puller & drag/grading equipment? 17000 lbs							
What other recreational trail uses are planned for this bridge? None							
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

Replace bridge per inspection report.

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

Quote 1

☒ Steel ☐ Wooden

Bridge Dimensions:

40' x 12'

Bridge Manufacturer:

CUSTOM MANUFACTURING

Design Weight Load

25,000 lbs.

Cost of Structure: 1. Engineering

\$ 2800

2. Structure

\$ 51000

Subtotal \$ 53800

Quote 2

☒ Steel ☐ Wooden

40x12

ANDERSON BRIDGE

25000 lbs.

\$ 4000

\$ 32000

\$ 36000

Quote 1

☒ Contractor or ☐ Sponsor
Estimate

Installation Costs:

1. Engineering

\$

2. Site Preparation

\$ 14800

3. Abutments

\$

4. Pilings/Piers

\$

5. Approaches

\$

6. Riprap

\$

7. Labor

\$

8. Equipment Rental

\$ 2000

9. Culverts

\$

10. H & H Study

\$

11. Wetland Delineation

\$

12. Other REMOVAL/DISPOSAL
DELIVERY

\$ 5100

Subtotal \$ 21900

Total Cost \$ 75700

Quote 2

☒ Contractor or ☐ Sponsor
Estimate

\$

\$ 5000

\$ 12000

\$

\$

\$ 2000

\$ 5000

\$

\$

\$

\$

\$

\$ 5000

\$ 29000

\$ 65000

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

\$

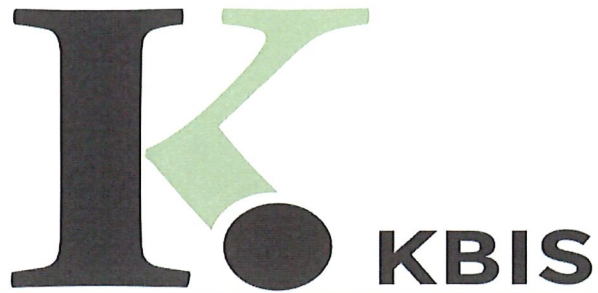
Total \$

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	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	1
	20 miles or more	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			13

Comments/Notes:



W7218 Hickory Lane
Phillips, WI 54555
wknaack@kbiswi.com
715.820.0095

Date 1/27/25

Marengo Trail Bridge, Ashland County

Length determination

To whom it may concern,

The Marengo Trail bridge in Ashland County is being recommended for replacement as it was determined to be closed a year ago. The bridge was closed per the inspection report as the timber pile abutment is nearly scoured completely out. I am not sure what is holding it vertically do to the scour. The Scour occurred in the massive flood events of 2016 and 2017. The channel is approximately 8-10 ft lower, and the bridge was originally about 10 ft tall, leaving almost the whole piling exposed. The current bridge is 25 ft long. The prospective proposals are for 40 ft which will allow the new structure to be well be behind the existing abutment and slope protection to be used. It would be exponentially more expensive to build massive vertical abutments on the existing footprint.

If you have any questions or concerns feel free to reach me at the number listed above.

Thanks,

William S. Knaack Jr, PE

Digitally signed by
William S. Knaack Jr.,P.E.
Date: 2025.01.27 08:14:21
-06'00'



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

PROPOSAL

January 16, 2025

To: Ashland County Snowmobile Trail Administrator

Re: Marengo Snowmobile Bridge Budget

- 1 - **40' 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: **Ashland County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$65,000

• Structure (Steel Truss)	\$32,000
• Engineering	\$4,000
• Soil Testing	\$0
• Site Prep	\$5,000
• Abutments	\$12,000
• Labor	\$5,000
• Rip Rap	\$2,000
• Demolition & Disposal	\$5,000

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

****A 40' bridge is recommended to minimize the impact on the existing abutments and stream banks****

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

6665

Please Indicate The Above Number When Ordering

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

Date: March 26, 2025	Salesperson: Tina Forrest
Inquiry Date:	Inquiry Number

Estimated Ship Date 12 – 16 weeks	Shipped VIA Best Way	F.O.B Clinton, WI	Terms Net 30	
	Description		Price	Total
1	2025 GRANT APPLICATION ESTIMATE Bridge #1			
	40' Flat Bridge x 12' Wide - 25,000# Load Double Decked - 42" Horizontal Railing – Hardware On 2 sets of Galvanized Sill Pans		\$ 51,000.00	
	Stamped Engineered Drawings		2,800.00	
	Installation & Site Preparation (Gravel/Rip Rap)		14,800.00	
	Equipment Rental		2,000.00	
	Removal & Disposal (Dumpsters) of Existing Bridge		3,600.00	
	Delivery Charges		1,500.00	
	Total			\$ 75,700.00
	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

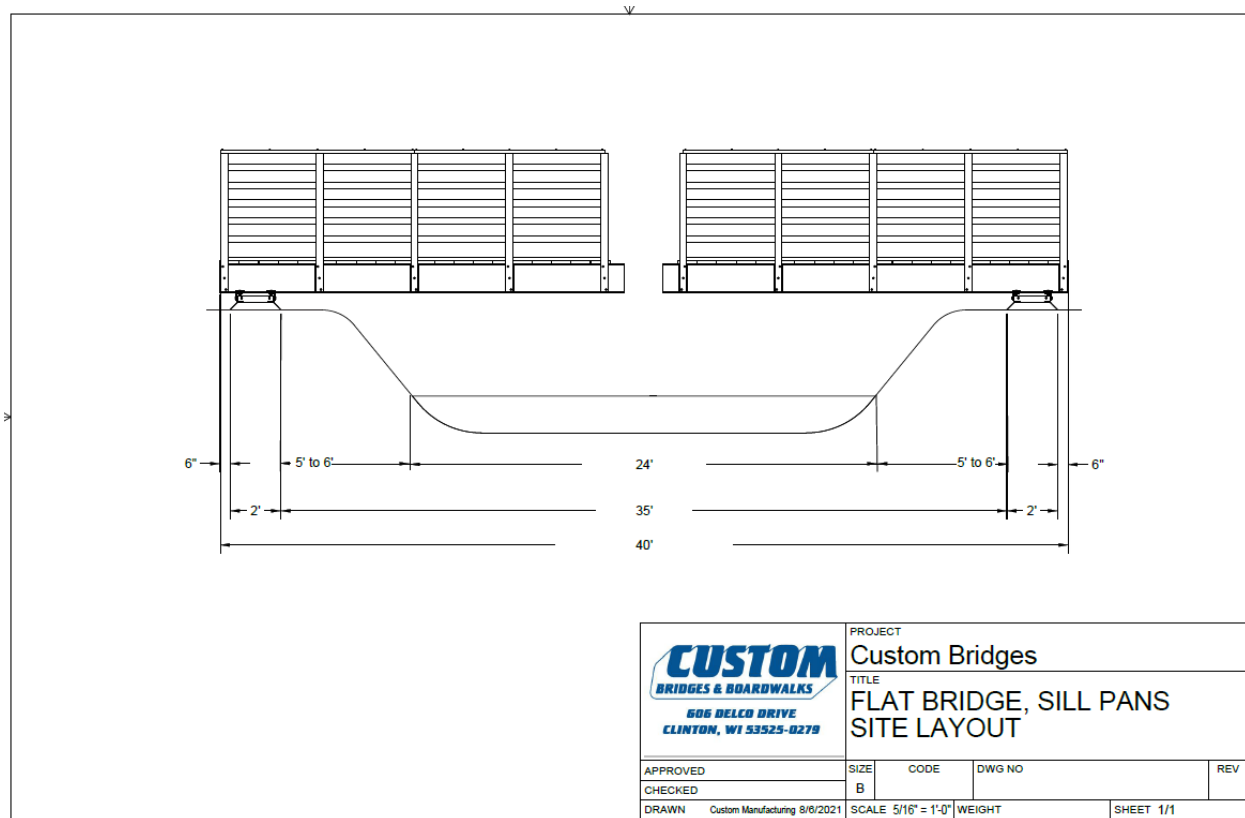
ACCEPTED: _____

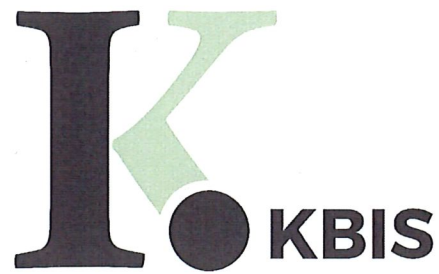
DATE: _____

To: John Westfahl
From: Tina Forrest
Date: Jan 16th, 2025
Subject: Bridge #1 Length

While the waterway width for Bridge #1 is approximately 24', the total bridge length must be 40' to suit the site and the use of portable pan footings. Placing the pans right at the edge of the stream edge creates a risk for water to undercut and erode around the pan footings. We recommend placing the front edge of the pan a minimum of 5' to 6' from the waterway and at least 2' back from the top edge of the bank, whichever is longer. The Pans footings themselves are placed 6" in from the end of the beams and in this case are 24" deep resulting in a total of 5' of additional length.

Below shows a diagram of what has been described resulting in the need for a 40' bridge.





Trail Bridge Inspection

Ashland County

Bridge Name

Ashland 1

Inspected By:

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

02/23/2024

Prepared By

KBIS, LLC





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

Bridge Inspection Report

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 1 mile north of CTH C on Ovaska Rd.

Bridge Condition

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

Deck is weathered and checked. Curb damage on both ends.

North side railing has missing and loose hardware on rail posts.

Both abutments are rotating towards the stream.

No apparent tiebacks in place the tall wall.

Driven timber piles typically only need to be 10ft below the bottom of the stream bed. The channel is heavily scoured, presumed 2016 flood, and has eroded most to the 10ft of embedment. We have to assume the worse condition on the piles.

The superstructure is in poor condition. Broken diaphragms and decay of the girders.

Both pile caps are rotating. The East cap only has about 10% of the cap touching the piling. The drift pins are the only thing holding the cap to top of the piles.

The SE corner piling is split and not performing on the structure.

The original bridge appears to be laying under the bridge on the West end.

Length 24.5 ft, Width 11.1 ft, and 13 plus feet clearance on stream.



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	# 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:

Digitally signed by
William S. Knaack Jr., P.E.
Date: 2024.03.04
08:09:44 -06'00'

William S. Knaack Jr., P.E.

Bridge Inspection Report

Photo Observations



Looking South

Bridge Inspection Report

Photo Observations



Rotated West Pile cap, looking South

Bridge Inspection Report

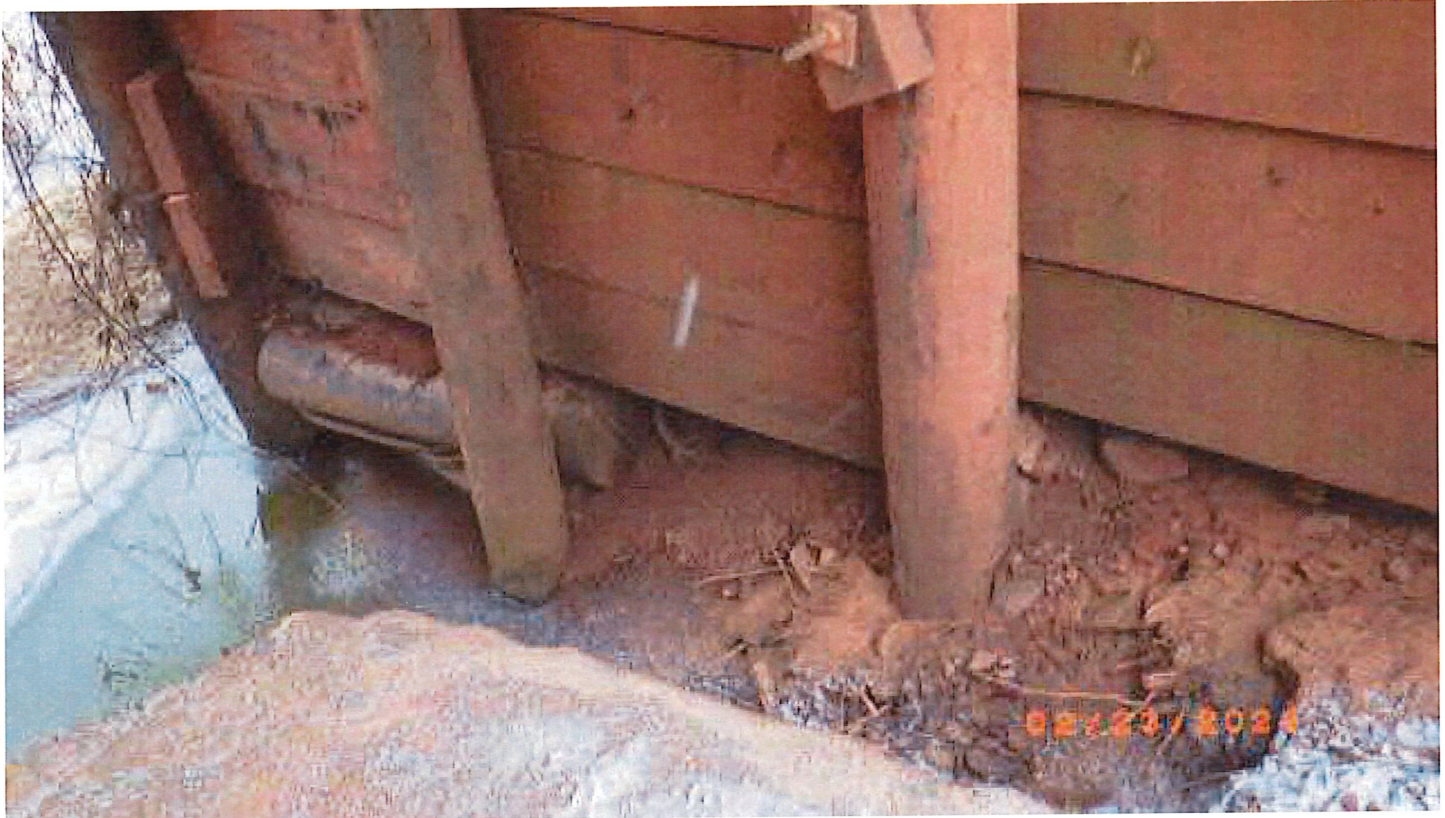
Photo Observations



SW corner, West Cap

Bridge Inspection Report

Photo Observations



Bottom of West Abutment

Bridge Inspection Report

Photo Observations



East Abutment

Bridge Inspection Report

Photo Observations



Busted Diaphragm, East line, South end.

Bridge Inspection Report

Photo Observations



East Pile cap not touching 90% of the length.

Bridge Inspection Report

Photo Observations



Curb bolts loose.

Bridge Inspection Report

Photo Observations



SE Pile Split.

Bridge Inspection Report

Photo Observations



Looking West

Bridge Inspection Report

Photo Observations



Top of deck and rails.

Bridge Inspection Report

Photo Observations



Looking US

Bridge Inspection Report

Photo Observations



Looking DS

Bridge Inspection Report

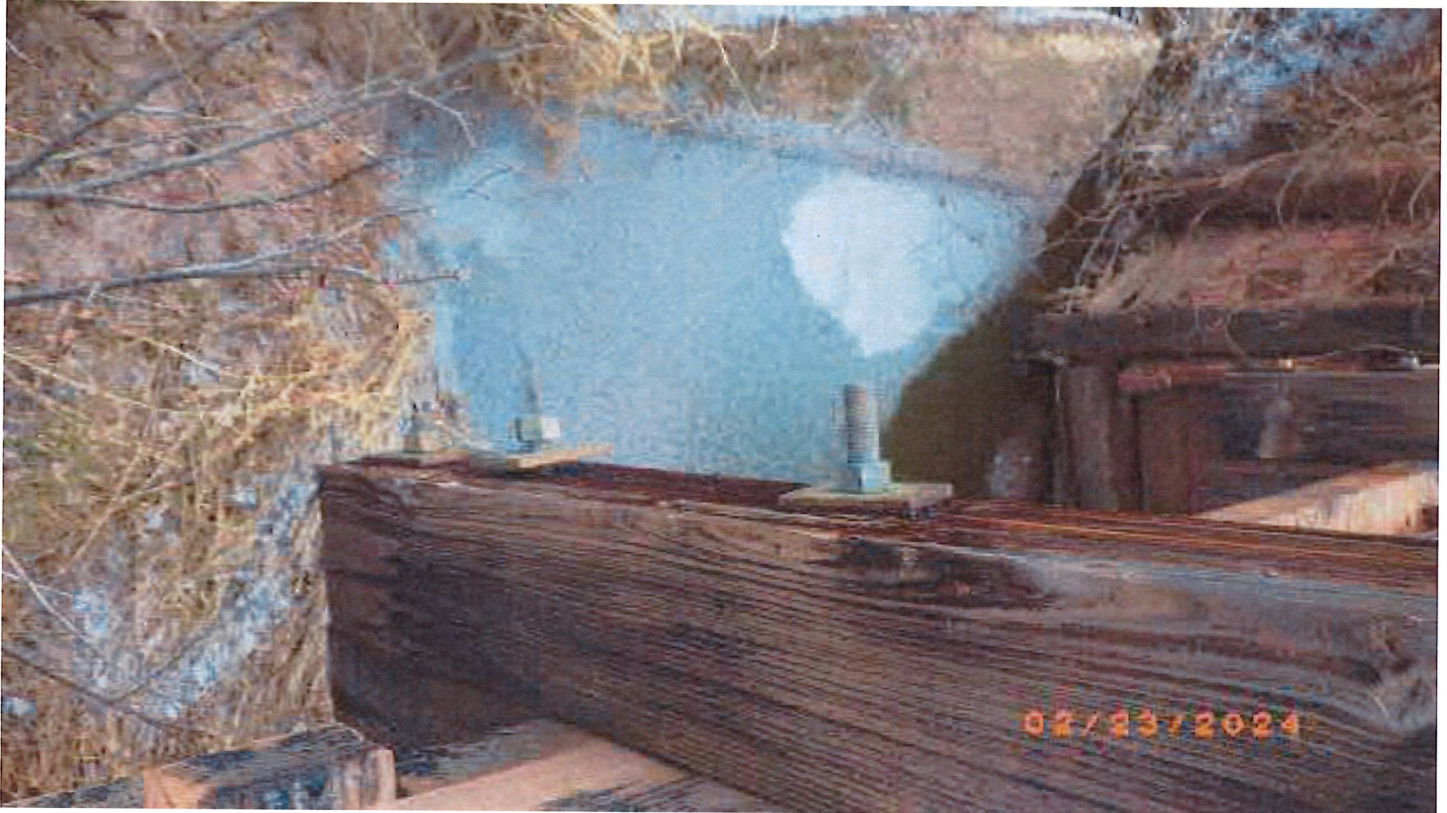
Photo Observations



Missing rail hardware

Bridge Inspection Report

Photo Observations



Loose rail hardware

Bridge Inspection Report

Photo Observations



Damaged curb end, North side.

Bridge Inspection Report

Photo Observations



West approach.

Bridge Inspection Report

Photo Observations



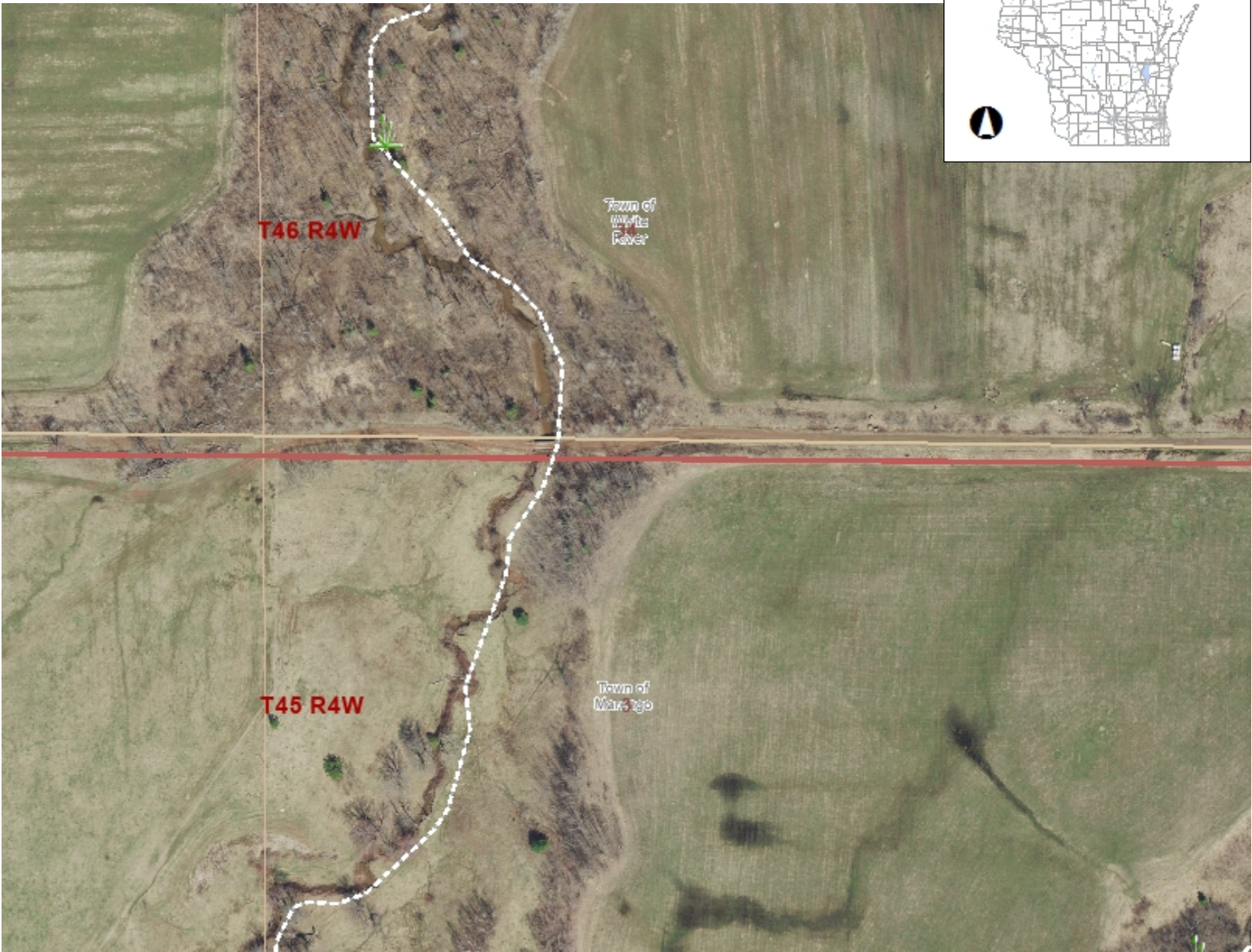
East Bridge Ahead sign.

Index T-45-N, R-4-W Northern Part Marengo

[illegible]



Surface Water Data Viewer Map



- Legend**
- Lake Class Areas
 - Riverine/ditch Class Areas
 - Wetland Class Areas
 - Wetland Class Points
 - Dammed pond
 - Excavated pond
 - Filled/draind wetland
 - Wetland too small to delineate
 - Filled excavated pond
 - Filled Points
 - Wetland Class Areas
 - Filled Areas
 - Wetland Identifications and Confirmations
 - Township
 - Section
 - Quarter-Quarter
 - County Boundary
 - Cities, Towns & Villages
 - City
 - Village
 - Civil Town
 - Railroads



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

Bridge #1

Legend

- Bridge
- Snowmobile Trails 2019
- Streams
- Town Roads

