

#18 Pierce Co Elmwood 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)

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 Pierce 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 Travis Campbell			Check Recipient Name (Name to Appear on Check) Pierce County Treasurer		
Title Co. Park Superintendent - Snowmobile Coordinator			Title Pierce County Treasurer		
Address N4351 County Road HH			Address 414 W. Main Street		
City Plum City	State WI	ZIP Code 54761	City Ellsworth	State WI	ZIP Code 54761
Telephone Number (715) 639-5611		Email Address travis.campbell@co.pierce.wi.us			

Section 2: Project Information Required for all Projects

Project Title Village Elmwood - Nelson Bridge Replacement					Current Funded Miles 237.9	New Miles (if applicable)
County Pierce	Township 27 N	Range 15	Section 36	<input type="radio"/> E <input checked="" type="radio"/> W	GPS Coordinates: Lat. 44.7832519 Long. -92.1389047	¼ ¼ ¼ NE

Project Description Summary

This bridge is on a main connection trail to Dunn County. The existing bridge is an old club designed and built bridge from the 1980's. It is built on a narrow, double I-beam structure. The main beams are approx. 6' apart from outside to outside. It may have been designed to accommodate the old Tucker grooming unit used back then. The trail is now groomed by larger, heavier, tracked tractors. These have a wider wheelbase of approx. 8' so there is no main structure under the groomer. The wooden deck and the 3x3 square tubing spaced every 6 feet for the railing is what is holding the groomer from falling through. The abutment/base is wooden treated poles buried in the ground. These poles are also narrowly spaced. There is very little rip-rap remaining protecting the support and bridge. The wooden deck is rotten and is in bad shape. I do not know when the last funded work was done on this bridge but was told it is beyond ten years. The condition of the deck suggest it is much longer than 10 years. The project consist of removing the existing bridge, removing some large trees and stumps washed up against the existing support, placing a new abutment and rip rap, setting a new steel truss bridge.

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

County Priority

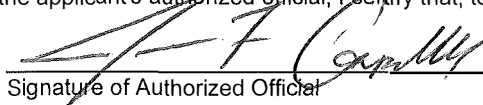
Estimated Cost

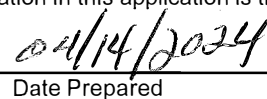
Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$145,500.00		\$145,500.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official	Official's Title

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

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:	<u>80x12</u>	<u>90x12</u>
Bridge Manufacturer:	<u>Anderson Bridges</u>	<u>Contech Engineered Solutions</u>
Design Weight Load	<u>25,000</u> lbs.	<u>20,000</u> lbs.
Cost of Structure:		
1. Engineering	\$ <u>4,000</u>	\$ _____
2. Structure	\$ <u>94,000</u>	\$ <u>160,000</u>
Subtotal	\$ <u>98,000</u>	\$ <u>160,000</u>

	Quote 1	Quote 2
	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor
	Estimate	Estimate
Installation Costs:		
1. Engineering	\$ <u>4,000</u>	\$ <u>4,000</u>
2. Site Preparation	\$ <u>5,000</u>	\$ <u>5,000</u>
3. Abutments	\$ <u>10,000</u>	\$ <u>10,000</u>
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ <u>5,000</u>	\$ <u>5,000</u>
6. Riprap	\$ <u>2,000</u>	\$ <u>2,000</u>
7. Labor	\$ <u>5,000</u>	\$ <u>10,000</u>
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ <u>10,000</u>	\$ <u>10,000</u>
11. Wetland Delineation	\$ _____	\$ _____
12. Other <u>Tree removal and Force</u>	\$ <u>6,500</u>	\$ <u>6,500</u>
Subtotal	\$ <u>47,500</u>	\$ <u>52,500</u>
Total Cost	\$ <u>145,500</u>	\$ <u>22,500</u>

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

October 12, 2023

To: Pierce County Snowmobile Trail Administrator

Re: Elmwood Snowmobile Bridge Budget

- 1 - **80' 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: **Pierce County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$125,000

• Structure (Steel Truss)	\$94,000
• Engineering	\$4,000
• Soil Testing	\$0
• Site Prep	\$5,000
• Abutments	\$10,000
• Labor	\$5,000
• Rip Rap	\$2,000
• Existing Bridge Removal	\$5,000

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

Please call with any questions.

Thank you,

Kory S. Weathers

Dennis Brever <Dennis.Brever@conteches.com>

Oct 16,
2023,
7:43 AM

to me

Travis

Here is the budget pricing for your project we talked about on the phone last week.

Continental Pedestrian Bridge
Length – 90'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Bridge to be designed to accept a 6-inch-thick cast-in-place concrete deck
Side Dams and End Dams included
Galvanized Form Decking included
Concrete and steel reinforcing to be supplied and installed by others
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$148,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

Continental Pedestrian Bridge
Length – 90'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Nominal 3-inch-thick Treated Wood Decking
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$160,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

Continental Pedestrian Bridge
Length – 110'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Bridge to be designed to accept a 6-inch-thick cast-in-place concrete deck
Side Dams and End Dams included
Galvanized Form Decking included
Concrete and steel reinforcing to be supplied and installed by others
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$200,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

Continental Pedestrian Bridge
Length – 110'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Nominal 3-inch-thick Treated Wood Decking
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$217,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

All excavation & backfill, Foundations, setting of the bridge, and if you go with the cast-in-place concrete deck the rebar and concrete will be supplied and installed by others. All these cost will need to be added to the bridge pricing for your final installed cost for your grant.

Please let me know if you have any questions or need anything else for this project.

Thanks,

Dennis Brever – Truss Consultant
Contech Engineered Solutions LLC
Office 320-345-9337
Cell 320-304-3595
Dennis.Brever@conteches.com

Guidelines for Applicant

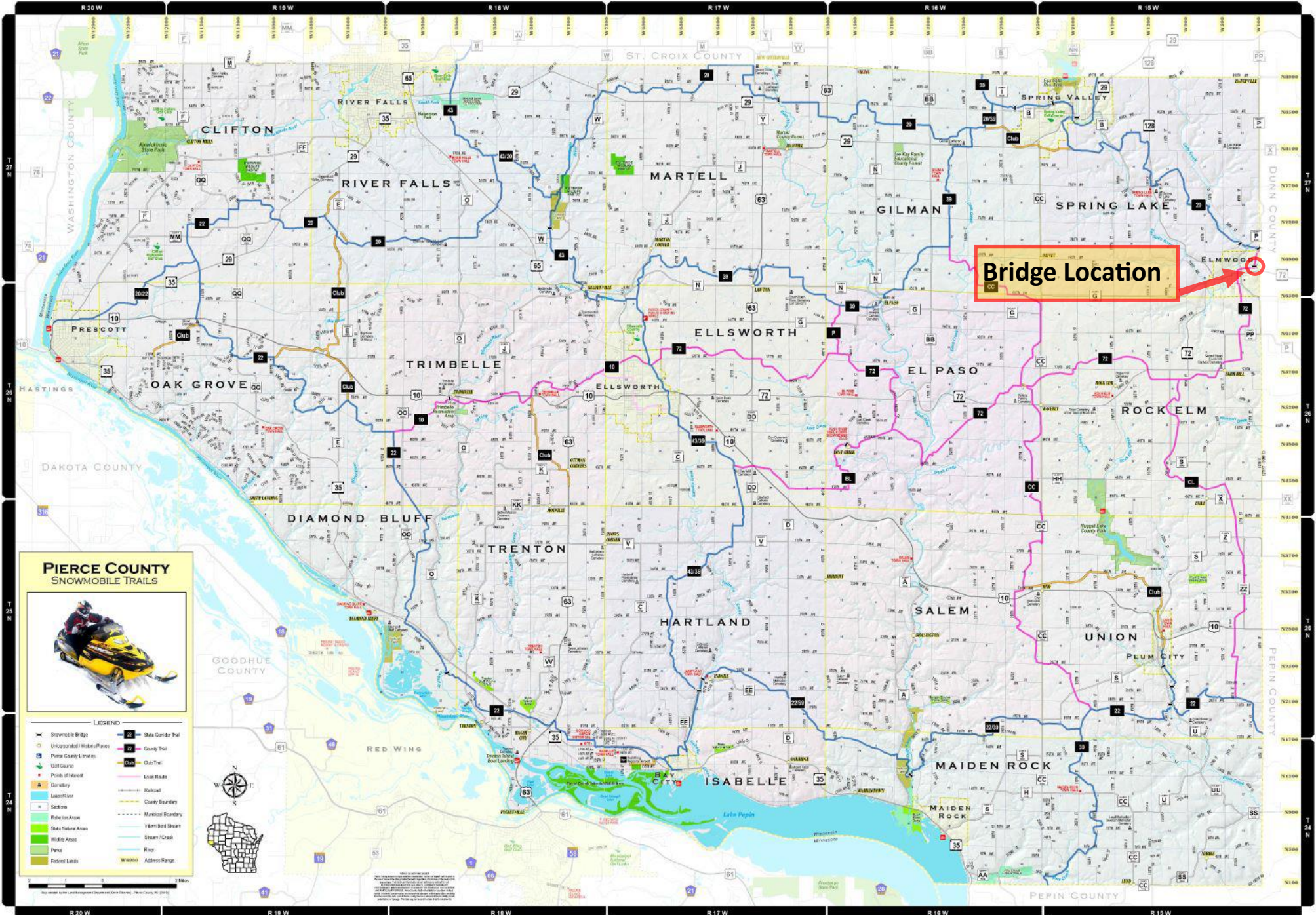
Complete this form for each bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.

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 on each side of the bridge</u>	5	
	3-9 year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	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:

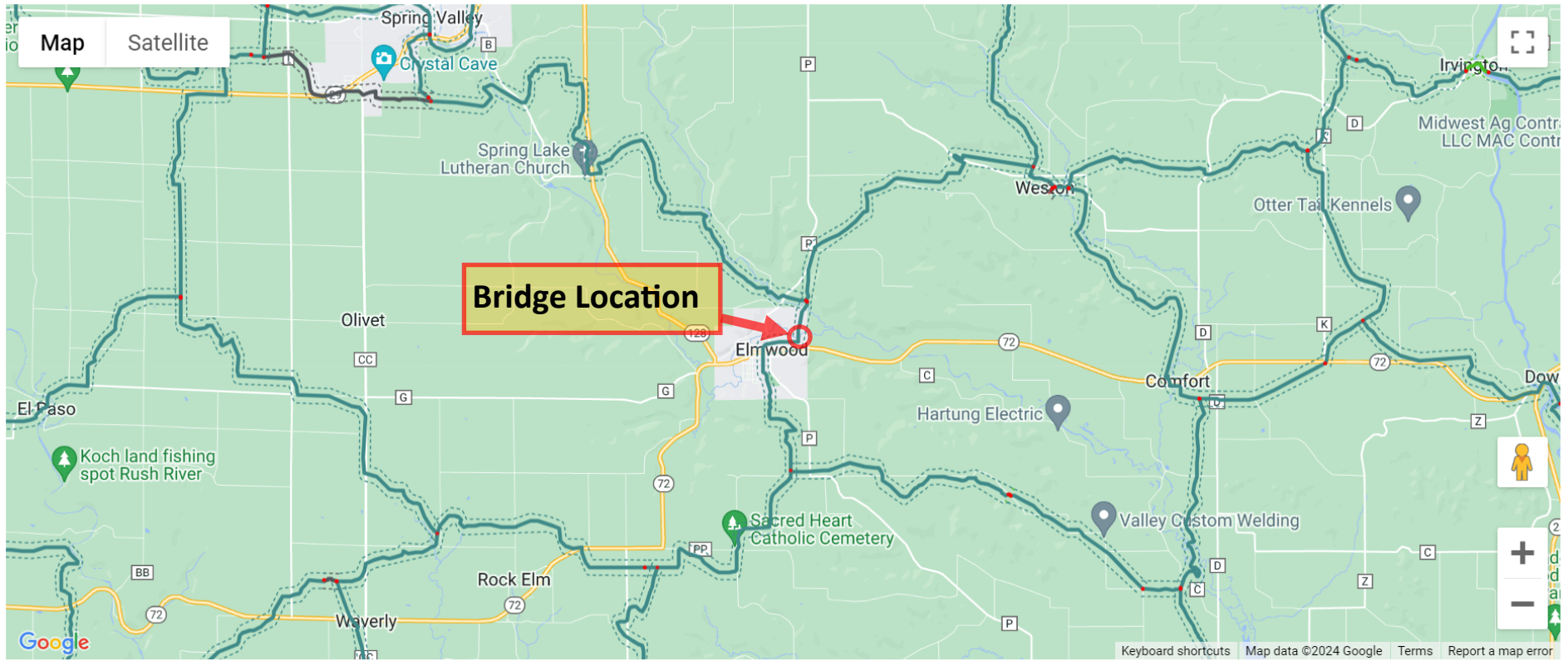
The bridge deck is in very bad condition.

Bridge Location Map

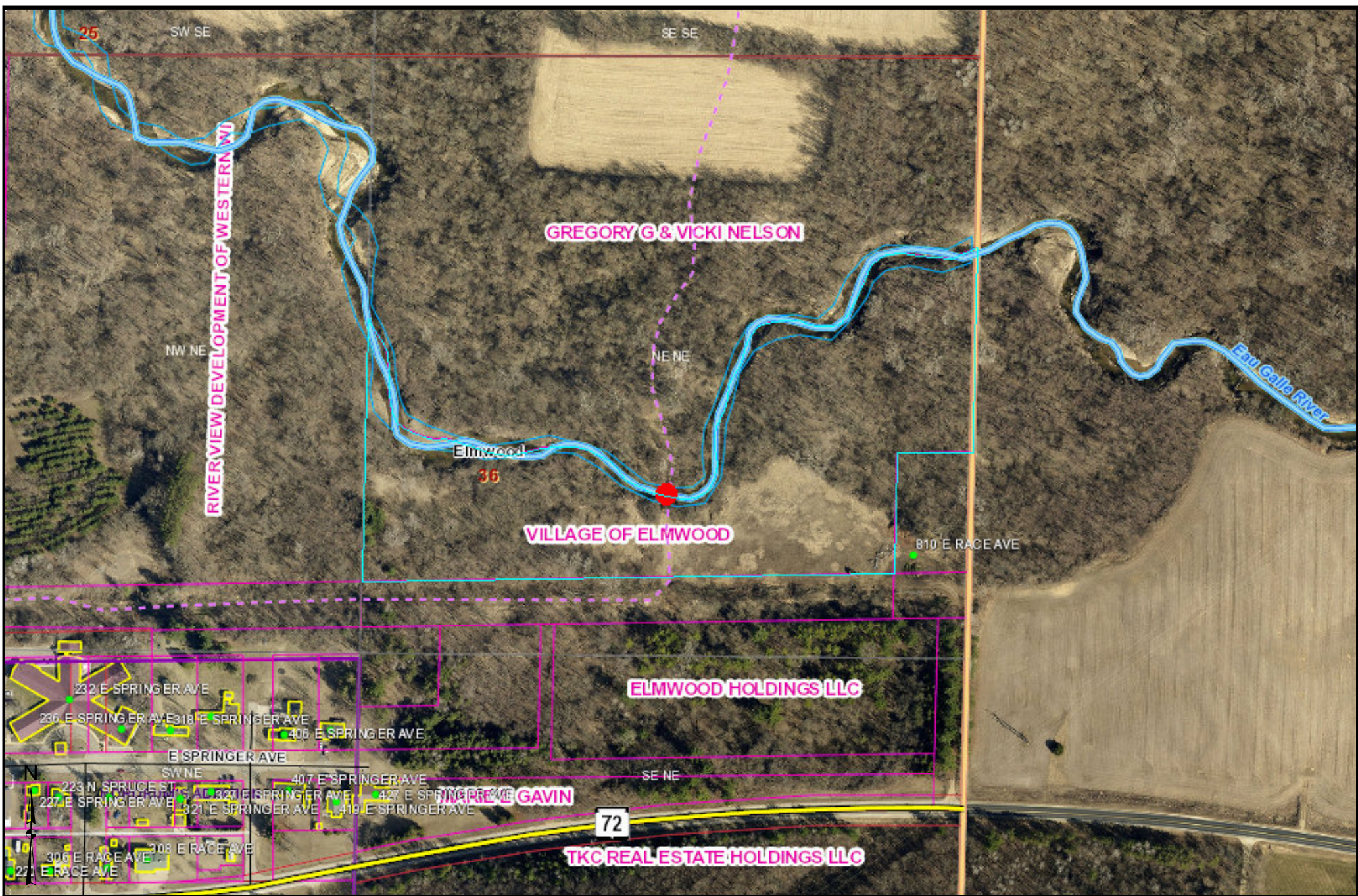


Bridge Location Map

SNARS



- Eligible Detour
- Flagged Road Route
- Funded
- Funded - Long Term Re-Route
- Funded - Short Term Re-Route
- Ineligible road route
- Integral Road Route
- Non-Funded
- Non-Funded - Long Term Re-Route
- Non-Funded - Short Term Re-Route
- Pending Funded
- Road Route



These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

Aerial w/Wetland and Plat (trail is dashed pink line)

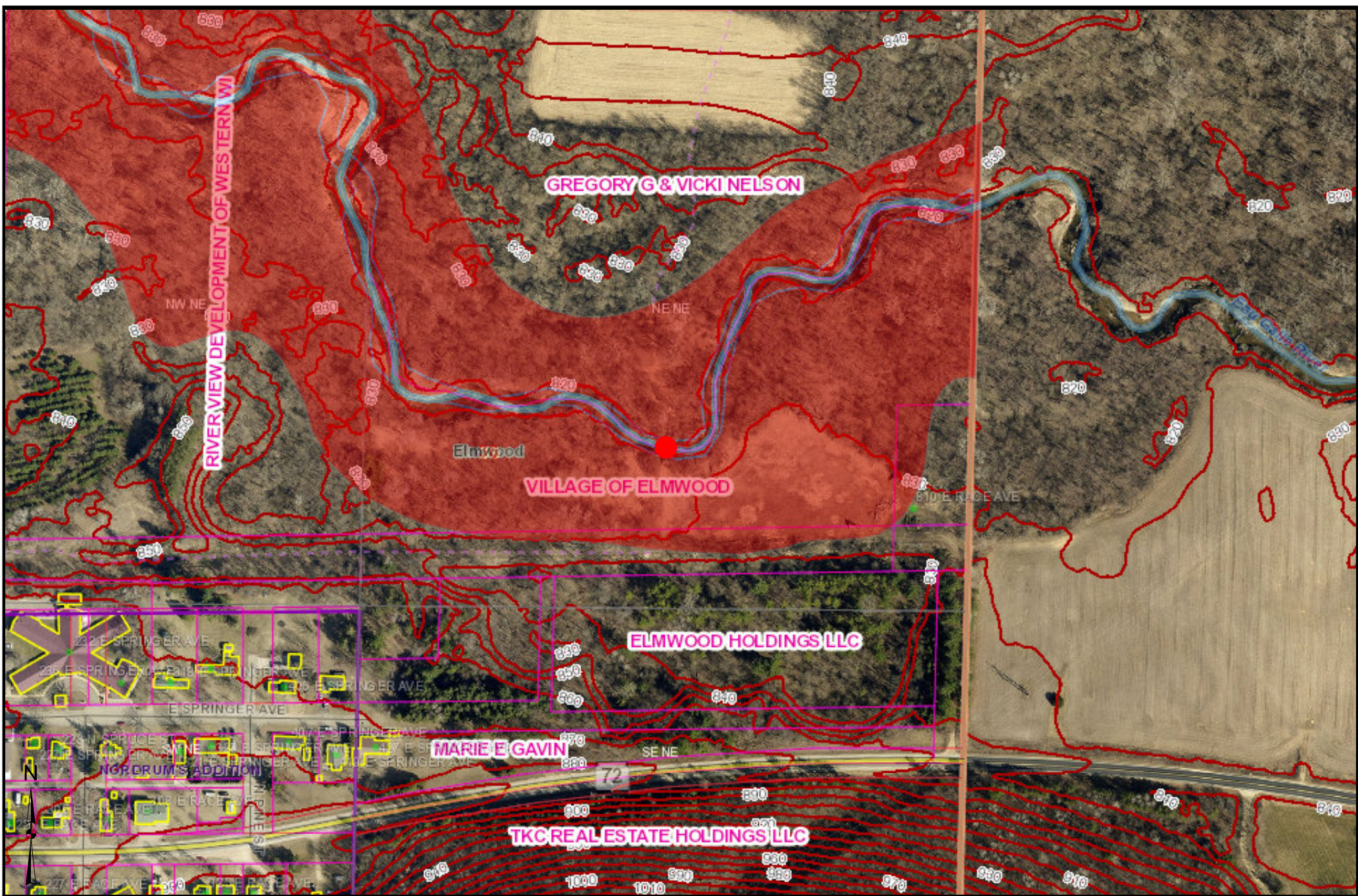
Elmwood Nelson Bridge

1:3,328	Date: 4/12/2024
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This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.

Pierce County, WI





These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

<h2 style="margin: 0;">Flood Zone Map</h2> <p style="margin: 0;">Elmwood/Nelson Bridge</p>	
<p>1:3,328</p>	<p>Date: 4/12/2024</p>
<p>This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.</p>	

Pierce County, WI

Report Summary for Elmwood / Nelson Bridge.

NBI Ratings

	File	New
Deck		3
Superstructure		5
Substructure		7
Culvert		
Channel		7
Waterway		

Structure Specific Notes

Structure is a steel girder Bridge. 18" x 7.5" x 1/2" Steel girders. There is some distortion of the west girder, minor section loss and freckled rust widespread on both girders. Abutment are 11" round pilings topped with 12" x 8" x 1/2 I-beam. Good condition. The wooden deck is in very poor condition, with severe decay on many of the boards. Deck should be replaced. Channel is in good condition.

5/28/24 Bradley A. Taplin.

Bradley A. Taplin Insp. No. 6522



North View



South View



Deck Condition



Deck Condition



Deck Condition



Deck Condition



Deck Condition



Deck Condition



Abutment



Abutment



Abutment



Abutment



Ramp on North end. Very little rip rap remaining.



North end. Also showing cross members and deck condition



Measurement overview. I-Beam Spacing is a little less than 6' outside to outside



Narrow spaced I-Beam construction set on telephone poles



I-Beams are approximately 48' long. Total length with ramps is approximately 83' 5"



Ramp Attachment



Ramp Attachment



Ramp Attachment and crossmembers on inside



This is what is supporting the groomers. Wooden decking and



3x3 tubing is 6' apart. This may be the main thing holding up the tracked groomers.



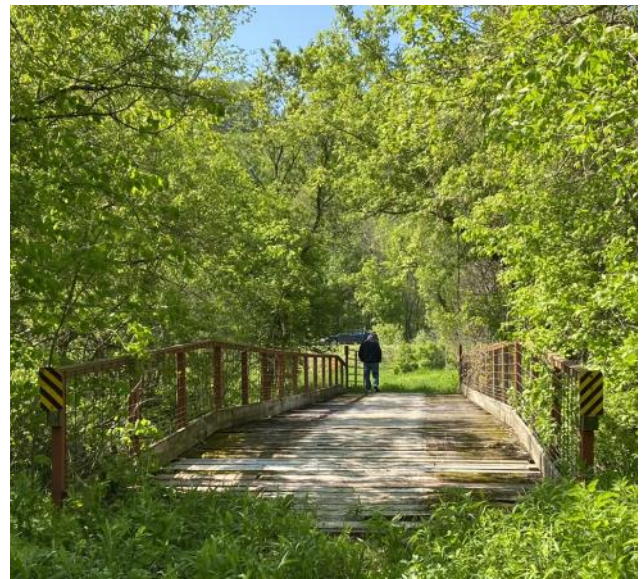
South end has some rip rap. Washed trees need to be removed.



Both sides have brush and washed that will need to be cleaned out



Upstream side of bridge has a bent railing beam



Most of the deck looks like this. Some have been replaced through the years.

When we walked on it we stayed over the I-beams. If not completely replaced it needs a re-deck.

**SNOWMOBILE TRAIL
LAND USE AGREEMENT
PIERCE COUNTY, WISCONSIN**

This AGREEMENT made this 12 day of April, 2024, by and between Village of Elmwood, of Pierce County Wisconsin, **GRANTOR**, and Pierce County Snowmobile Council Club and East Side Renegades, **GRANTEE**.

WHEREAS, the **GRANTEE** through its Pierce County Snowmobile Council, desires to construct the aforementioned snowmobile trail in a no less than twelve foot wide and not to exceed a sixteen foot wide corridor, on and across the property of the **GRANTOR**.

NOW THEREFORTH in WITNESSETH:

The **GRANTOR** offers to the **GRANTEE** the right commencing on the 1st day of November of the year, through the last day of March of the following year to construct, operate and maintain a public snowmobile trail on, over and across the following described property.

Spring Lake Township, T27N R15W Range 36 Section

In order to accomplish the purpose of this agreement, the **GRANTEE** intends to place or construct the following item (s) on the above stated property.

 Gate X Bridge X 16 Foot Corridor X Other (10 year land use agreement - until 2034)

All Physical improvements remain the property of the **GRANTEE** and may be removed when the property ceases to be used as a snowmobile trail.

It is understood by both the **GRANTOR** and the **GRANTEE**, that this agreement is subject to the following conditions:

- 1) **GRANTOR** shall not incur any expense for the construction or operation of the snowmobile trail.
- 2) This agreement is non-transferable by the **GRANTEE**.
- 3) No unnecessary removal of vegetation will be done. No trees shall be cut without permission from the **GRANTOR**. Any trees cut will remain the property of the **GRANTOR**.
- 4) **GRANTEE** shall indemnify and hold harmless for injury to person or property arising from the use of snowmobiles on the described property. Further protection provided to property owner, is identified under Wisconsin's Recreational Use Statute 895.52.
- 5) Necessary fence removal shall be only by approval of the **GRANTOR** and any replacement shall be made by the **GRANTEE**.
- 6) This agreement shall be automatically self-renewing for successive periods of one year.
- 7) **GRANTOR** may terminate this agreement only by giving written notice thereof by certified or registered mail at the **GRANTEE'S** mailing address set forth below to **GRANTEE** prior to September 1st of any year.
- 8) Additional conditions will be valid if enumerated on the reverse side of this document and initialed by both parties.

GRANTEE:

East Side Renegades.
PIERCE COUNTY SNOWMOBILE COUNCIL CLUB

Adam Garfield
CLUB REPRESENTATIVE NAME

AG For 04/12/2024
Signed Date

Official Address
Pierce County Snowmobile Council
C/O Nugget Lake County Park
N4351 Co. Rd. HH
Plum City, WI. 54761
PH: (715) 639-5611

GRANTOR:

Village of Elmwood
PROPERTY OWNER

323 W. Winnet Ave. Elmwood, WI 54740.
OWNER ADDRESS

W. Becht 2024 Apr. 12
Signed Date

Copies:

Property Owner
Snowmobile Club
Snowmobile Coordinator

**SNOWMOBILE TRAIL
LAND USE AGREEMENT
PIERCE COUNTY, WISCONSIN**

This AGREEMENT made this _____ day of April, 2024, by and between Gregory and Vicki Nelson, of Pierce County Wisconsin, GRANTOR, and Pierce County Snowmobile Council Club and East Side Renegades, GRANTEE.

WHEREAS, the GRANTEE through its Pierce County Snowmobile Council, desires to construct the aforementioned snowmobile trail in a no less than twelve foot wide and not to exceed a sixteen foot wide corridor, on and across the property of the GRANTOR.

NOW THEREFORTH in WITNESSETH:

The GRANTOR offers to the GRANTEE the right commencing on the 1st day of November of the year, through the last day of March of the following year to construct, operate and maintain a public snowmobile trail on, over and across the following described property.

Spring Lake Township, T27N R15W Range 36 Section

In order to accomplish the purpose of this agreement, the GRANTEE intends to place or construct the following item (s) on the above stated property.

Gate Bridge 16 Foot Corridor Other (10 year land use agreement - until 20 34)

All Physical improvements remain the property of the GRANTEE and may be removed when the property ceases to be used as a snowmobile trail.

It is understood by both the GRANTOR and the GRANTEE, that this agreement is subject to the following conditions:

- 1) GRANTOR shall not incur any expense for the construction or operation of the snowmobile trail.
- 2) This agreement is non-transferable by the GRANTEE.
- 3) No unnecessary removal of vegetation will be done. No trees shall be cut without permission from the GRANTOR. Any trees cut will remain the property of the GRANTOR.
- 4) GRANTEE shall indemnify and hold harmless for injury to person or property arising from the use of snowmobiles on the described property. Further protection provided to property owner, is identified under Wisconsin's Recreational Use Statute 895.52.
- 5) Necessary fence removal shall be only by approval of the GRANTOR and any replacement shall be made by the GRANTEE.
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- 8) Additional conditions will be valid if enumerated on the reverse side of this document and initialed by both parties.

GRANTEE:

East Side Renegades
PIERCE COUNTY SNOWMOBILE COUNCIL CLUB

Adam Garfield
CLUB REPRESENTATIVE NAME

A. Garfield for 04/14/2024
Signed Date

Official Address
Pierce County Snowmobile Council
C/O Nugget Lake County Park
N4351 Co. Rd. HH
Plum City, WI. 54761
PH: (715) 639-5611

GRANTOR:

Gregory Vicki Nelson
PROPERTY OWNER

26998 110th ST S.V. 54761
OWNER ADDRESS

Gregory Nelson 4/14/24
Signed Date
Vicki Nelson 04/14/24

Copies:
Property Owner
Snowmobile Club
Snowmobile Coordinator