S-16 Pierce Co Elmwood Nelson State of Wisconsin **Motorized Recreation Grant Application** Department of Natural Resources **For:** (choose all that apply) Form 8700-159 (R 02/2024) dnr.wi.gov Page 1 of 5 ☐ ATV/UTV Trail Aid Due Date: April 15 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.). **DNR Use Only** Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Number Category Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your Community Services Specialist. Section 1: Applicant Information Applicant / Organization Name Check Recipient: Individual other than authorized individual to act on behalf of the applicant. Select if the same as applicant. Pierce County Individual Authorized to Act on Behalf of Applicant per Resolution Check Recipient Name (Name to Appear on Check) Travis Campbell Pierce County Treasurer Title Title Co. Park Superintendent - Snowmobile Coordinator Pierce County Treasurer Address Address N4351 County Road HH 414 W. Main Street City ZIP Code City State ZIP Code State Plum City WI 54761 Ellsworth WI 54011 Telephone Number **Email Address** (715) 639-5611 travis.campbell@co.pierce.wi.us Section 2: Project Information Required for all Projects **Project Title Current Funded Miles** New Miles (if applicable) Village Elmwood - Nelson Bridge Replacement 237.9 Township Range GPS Coordinates: County Section 1/4 1/4 1/4 ()E 44.7832519 Lat. Pierce 27 N 15 ● W 36 NE NE Long. -92.1389047 **Project Description Summary** The current bridge, on a primary connection to Dunn County, is a 40+ year old, club-designed structure from the 1980s, has 2 narrow spaced I-beams that sits unsecured on four closely spaced power pole sections. 3 of the 4 poles are beginning to rot internally and are partially hollow at the top. The I-beams are approximately 6 feet apart (outside to outside). Currently groomed with heavy tracked tractors, which have a wheelbase of about 8 feet. Consequently, there is no main structural support beneath the groomer, leaving only the wooden deck and the 3x3 square tubing (spaced every 6 feet for the railing) to prevent the groomer from falling through. Additionally, minimal rip-rap remains to protect the supports, and the wooden deck is rotten and in poor condition. The proposed project includes removing the existing bridge, clearing large trees and stumps from the supports, installing new abutments and rip-rap, and setting a new steel truss bridge. Thank you for considering this critical infrastructure improvement. I certify that all maintenance land use agreements are on file. **Estimated Cost** Maintenance Acquisition Insurance Development Bridge Rehab. Trail Rehab. **Total Estimated Cost** \$161,500.00 \$161,500.00

Applicant Certification
Printed Name of Authorized Official

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

Motorized Recreation Grant Application

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Checklist for I		and Projects
Snowmobile	ATV/UTV	
\boxtimes		
		Project is on public land and I will be applying for RTP funds for this project. \$
		Land Acquisition – consult your Regional Grant Specialist for required procedures
Maintenance		
		Current trail map identifying funded/unfunded miles.
		Troutes – identify gas tax or no gas tax
Bridge Rehab/	Replace/New	r, Re-Route w/bridge - Must complete Appendix A
\boxtimes		Quality photos showing need for rehabilitation (no snow photos)
X		County wide trail map showing bridge location on the funded trail
X		Aerial, wetland, topo, and plat maps showing bridge location with trails overlaid
X		Detailed construction plans (show length, width, rail height and approaches)
		Reroute - trail map showing old trail and proposed new trail with bridge location
×		
		Identify season - Summer, Winter, Year-Round (Winter include rules)
Trail Rehab/Qเ	ialified Trout	e - Must complete Appendix B
		Quality photos showing need for rehabilitation
П		County wide trail map showing the segment proposed for rehabilitation on the funded trail
		Aerial, wetland, topo, and plat maps with the trails overlaid
		Depth and location of gravel to be used
31.2		Identify season - Summer, Winter, Year-Round (Winter include rules)
New Miles - N	/lust complete	Appendix B if development funds are requested
П	П	Current county trail map identifying all requested segments.
		Aerial and topo site maps for each segment requested. Include Town-Range-Section.
П		Construction plans for bridges or other structures. Include Appendix A
		Troutes – identify gas tax or no gas tax
100000000000000000000000000000000000000		Identify season - Summer, Winter, Year-Round (Winter include rules)
Intensive Use	Area	
	П	County, plat, wetland, topo maps showing project boundaries, trails, and elements
		Site plans showing any existing facilities along with proposed new construction including trails, riding courses, bridges, culverts, shelters, parking lots and toilets
		Preliminary construction plans for new trails, major grading, buildings, bridges, etc.
New Support		
		Campgrounds, shelter, etc. Please provide detailed information.

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Appendix A – Required for	Bridge I	Kenai)/Kepi	ace, r	vew, or i	Reroute	with New Bi	ridge	
⊠ Bridge Rehab/Replace				F	Reroute with new bridge				
County	Township	Range		Section	1 1/4 1/4	1/4	GPS Coordinate		
Pierce	27 N	15	⊙E ⊙W	36	NE	NE	Lat. 44.783 Long92.138		
Water Body Name	2/19	13	<u> </u>		idge Name	<u> </u>	Long92.130	County Invento	rv Number
Eau Galle River				- 1	Elmwood Nelson 16				
Funded Trail Name or Number (SN	IARS if ann	licable	1				ver received deve		ation funds
72	wate ii app	noubio,	2		Has this bridge site ever received development or rehabilitation funds in the past? Yes No Year:\$				
Bridge is located on: Private	property			OI	d Bridge/C	ulvert Siz	ze 84x12		
O Public	property			Ne	ew Bridge/	Culvert Si	ize 80x12		
Landowner Where Bridge is Locate	ed			Te	Telephone Number Length of Trail Use Agreement (5 year				(5 year
Village of Elmwood / Gregory	and Vicki	Nelso	n	(7	15) 639-3	792	10 year		minimum)
Current maximum load 12	2,000	lbs.	Age of	Bridge	Bridge	e Materia	ı		
Proposed maximum load 25	5,000	lbs.	43 yea	ars	Steel I-beam				
Sponsoring Club Name				Club	Club Contact Telephone Number				
East Side Renegades				Adaı	Adam Garfield (715) 495-2407				407
Do you have your trail bridges post	-		_		What is the maximum load of the other bridges on the system if				
	•	Yes () No	_	groomed with this bridge?				
What is the weight of your puller &	drag/gradir	ng equi	pment?	12,0	00				
Over 13,000 lbs									
What other recreational trail uses a	re 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									
Yes No Is a permit needed? (Please provide any written correspondence from WMS.)									
● Yes O No Have you contacted your County Zoning Dept. regarding a floodplain determination?									
● Yes ○ No Will an H & H (h	ydrologic a	nd hyd	raulic)	study be	e required?	?			

Bridge Project Detailed Description

I'm writing the grant request to bring to your attention the urgent need to replace a bridge on a trail that serves as a primary connector into Dunn County. Modified to and approved as a re-deck last year, it has since been discovered that the 3 of the 4 support poles are rotting on the inside and are partially hollow. It may be a better use of funds to replace it at this time.

The current bridge is a club-designed structure from the 1980s, featuring a narrowly spaced I-beam design that sits unsecured on four closely spaced power pole sections. These poles are beginning to rot internally and are partially hollow at the top. The two I-beams are approximately 6 feet apart (outside to outside), which may have been adequate for the older Tucker grooming unit. Currently, larger and heavier tracked tractors are used for grooming, which have a wider wheelbase of about 8 feet. Consequently, there is no main structural support beneath the groomer, leaving only the wooden deck and the 3x3 square tubing (spaced every 6 feet for the railing) to prevent the groomer from falling through. Additionally, minimal rip-rap remains to protect the supports, and the wooden deck is rotten and in poor condition. Although I don't have exact dates, I was informed that no funded work has been done on this bridge in over a decade, but the deck's condition suggests it has been much longer. The proposed project includes removing the existing bridge, clearing large trees and stumps from the supports, installing new abutments and rip-rap, and setting a new steel truss bridge.

Thank you for considering this critical infrastructure improvement.

Materials

Labor

2.

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Appendix A (continued)

Summarize Costs in Appropriate Categories:						
	Bridge Structure					
	Quote 1	Quote 2				
	Steel	SteelWooden				
Bridge Dimensions:	80x12	90x12				
Bridge Manufacturer: Anderse	on Bridges	Contech Engineered Solutions				
Design Weight Load	25,000 lbs.	<u>20,000</u> lbs.				
Cost of Structure: 1. Engineering	\$ <u>10,000</u>	\$ <u>10,000</u>				
2. Structure	\$ <u>108,000</u>	\$ <u>160,000</u>				
Subto	tal \$ 118,000	\$ <u>170,000</u>				
	Quote 1	Quote 2				
	● Contractor or ○ Sponsor	○ Contractor or ● Sponsor				
Installation Costs:	Estimate	Estimate				
1. Engineering	\$ <u>10,000</u>	\$ <u>10,000</u>				
2. Site Preparation	\$ 5,000	\$ <u>5,000</u>				
3. Abutments	\$ 10,000	\$ <u>10,000</u>				
4. Pilings/Piers	\$	\$				
5. Approaches	\$ <u>5,000</u>	\$ <u>5,000</u>				
6. Riprap	\$ 2,000	\$ 2,000				
7. Labor	\$ 5,000	\$ <u>10,000</u>				
8. Equipment Rental	\$	\$ 5,000				
9. Culverts	\$	\$				
10. H & H Study	\$	\$ <u>10,000</u>				
11. Wetland Delineation	\$	\$				
12. Other Tree removal and Force	\$ <u>6,500</u>	\$ 8,500				
Subt	otal \$43,500	\$ <u>65,500</u>				
Total C	Cost \$ <u>161,500</u>	\$ <u>235,500</u>				
For the application grant, y	you must take the lowes	t of the two quotes.				
Entire Deck and Railing Projects	Contractor	O Sponsor O Club				
Bridge Dimensions:						
Design Weight Load	lbs.					

Total \$_____

RESOLUTION NO. 24-02 AUTHORIZATION TO APPLY FOR SNOWMOBILE TRAIL PROGRAM STATE AID

WHEREAS, Pierce County is interested in providing, maintaining, acquiring, insuring, and developing lands for public snowmobile trails throughout the county; and

WHEREAS, said public snowmobile trails are eligible for snowmobile stewardship grant funds; and

NOW, THEREFORE BE IT RESOLVED, that the Pierce County Board of Supervisors authorizes the County Park Superintendent and Assistant Park Superintendent to act on behalf of Pierce County and to submit an application to the State of Wisconsin Department of Natural Resources for any financial aid that may be available, sign documents, and take necessary action to undertake, direct and complete the approved project.

Dated this 16th day of April, 2024.

Jonathan E. Aubart, Chairman

Pierce County Board of Supervisors

APPROVED AS TO FORM AND LEGALITY BY:

ATTESTED TO BY:

Jamie Feuerhelm, County Clerk

Bradley D. Lawrence, Corp. Counsel

Adopted:

APR 16 2024

SNOWMOBILE TRAIL LAND USE AGREEMENT

PIERCE COUNTY, WISCONSIN

This AGREEMENT made this 15th day of April, 2025, by and between Greg and Vicki Nelson, of Pierce County Wisconsin, GRANTOR, and Pierce County Snowmobile Council Club and East Side Renegades Snowmobile Club, 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 \underline{X} Bridge \underline{X} 16 Foot Corridor \underline{X} Other (10 year land use agreement until 2035) 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. 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. 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. 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. Additional conditions will be valid if enumerated on the reverse side of this document and initialed by both parties. **GRANTOR: GRANTEE:** Greg and Vicki Nelson **East Side Renegades** PIERCE COUNTY SNOWMOBILE COUNCIL CLUB PROPERTY OWNER Adam Barfield
CLUB REPRESENTATIVE NAME N6998 110th St., Spring Valley WI 54767 OWNER ADDRESS

Copies:

Property Owner

Snowmobile Club

Snowmobile Coordinator

Official Address

Pierce County Snowmobile Council

C/O Nugget Lake County Park

N4351 Co. Rd. HH

Plum City, WI. 54761

PH: (715) 639-5611

SNOWMOBILE TRAIL LAND USE AGREEMENT

PIERCE COUNTY, WISCONSIN

This AGREEMENT made this 15th day of April, 2025, by and between Village of Elmwood, of Pierce County Wisconsin, GRANTOR, and Pierce County Snowmobile Council Club and East Side Renegades Snowmobile Club, 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 2035) 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: **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. **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 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. Additional conditions will be valid if enumerated on the reverse side of this document and initialed by both parties. **GRANTEE: GRANTOR:** Village of Elmwood **East Side Renegades** PIERCE COUNTY SNOWMOBILE COUNCIL CLUB PROPERTY OWNER Adam Garfield 323 W Winter Ave, Elmwood, WI 54740 CLUB REPRESENTATIVE NAME

Official Address

Signed

alum Dorfielle

Pierce County Snowmobile Council

C/O Nugget Lake County Park

N4351 Co. Rd. HH Plum City, WI. 54761 PH: (715) 639-5611

OWNER ADDRESS

Copies:

Property Owner Snowmobile Club

Snowmobile Coordinator



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

PROPOSAL

April 2, 2025

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------\$145,000

•	Structure (Steel Truss)	\$108,000
•	Engineering	\$10,000
•	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

March 25, 2025 Dennis stated by email that these prices were still current.

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)

otal bagget variber = \$\pi_200,000.00 \cdot \tau \cdot ax \cdot applicable (belively to helee bounty, \text{ vi 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 castion-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

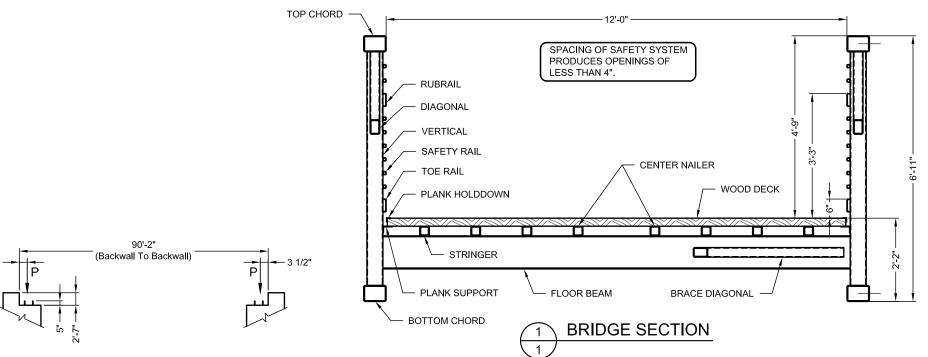
BRIDGE ELEVATION

GENERAL NOTES

- 1. DESIGN STRESSES ARE IN ACCORDANCE WITH "STANDARD SPECIFICATION FOR HIGHWAY BRIDGES" & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).
- ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING, AND ASTM A588, ASTM A606, OR ASTM A242 PLATE AND STRUCTURAL SHAPES (Fy=50,000 PSI).
- min.) OR SOUTHERN YELLOW PINE (Fb=1,300 PSI min.). ALKALINE COPPER QUATERNARY (ACQ) TO A 0.4 PCF RETENTION OR TO REFUSAL OR AZOLE BIOCIDE (MCA) TO A 0.06 PCF RETENTION OR TO REFUSAL.
- PROCESS WILL BE USED. WELDING TO BE IN ACCORDANCE WITH AWS D1.1.
- 4. ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS
- 5. UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
 - A BOTH ENDS OF VERTICALS, DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
 - B. BRACE DIAGONALS WILL BE WELDED ALL AROUND.
 - C.MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS.
- 7. BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES.
 - A.90 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 20,000 LB VEHICLE LOAD. THE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 14'-0". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESSES IN EACH MEMBER, INCLUDING DECKING.
- B. 35 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED. C.20 PSF UPWARD FORCE APPLIED AT THE WINDWARD QUARTER POINT OF
- ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACES PREPARATION SPECIFICATIONS NO. 7 BRUSH-OFF BLAST CLEANING. SSPC-SP7-LATEST EDITION.

- 2. BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY,
- BRIDGE DECKING NOMINAL 3-INCH THICK SELECT STRUCTURAL FIR (Fb=1,400 PSI
- 3. THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING
- DETAILED.
- (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE

- THE TRANVERSE BRIDGE WIDTH (AASHTO 3.15.3).
- 8. CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN



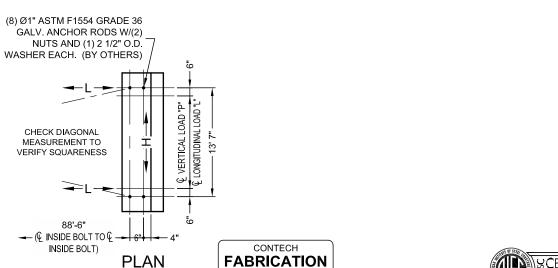
ANCHOR BOLT ELEVATION

COMBINE REACTIONS AS PER LOCAL OR GOVERNING BUILDING CODES AS REQUIRED

BRIDGE REACTION	+ DOWNWARD LOAD - UPWARD LOAD		
	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD	10,100		
UNIFORM LIVE LOAD	24,300		
VEHICLE LOAD	10,000		
WIND UPLIFT WINDWARD 20 PSF LEEWARD	-8,890 -2,964		
WIND	3,625	10,895	
THERMAL			1515

"P" - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE) "H" - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE) "L" - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)

BRIDGE LIFTING WEIGHT: 40,400 LBS





3/22/2013 PROVED: EQUENCE No

STANDARD WOOD DECK PEDESTRIAN BRIDGE

x 12'-0"

...0-,06

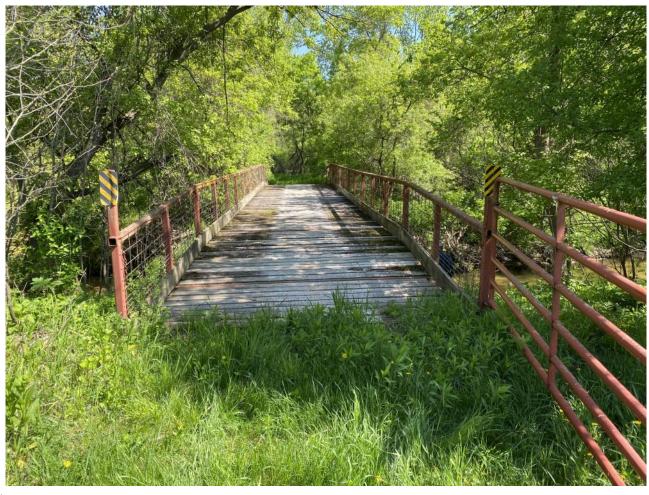
9. MINIMUM MATERIAL THICKNESS OF 1/4" ON ALL STRUCTURAL MEMBERS.



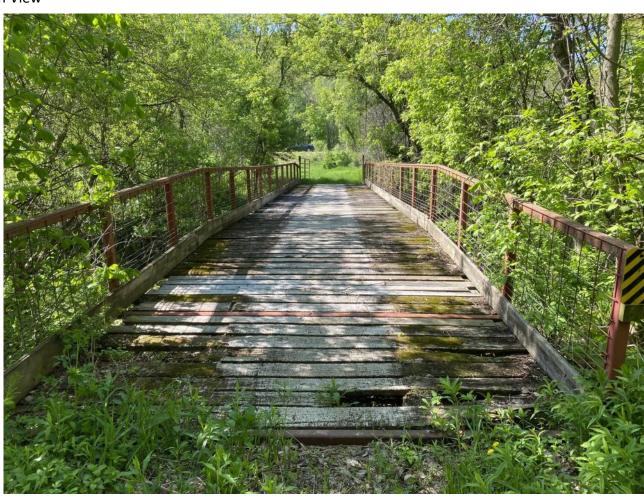
mostly hollow with only 3" of good wood on the back side. The post is cracking

pretty bad.





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.



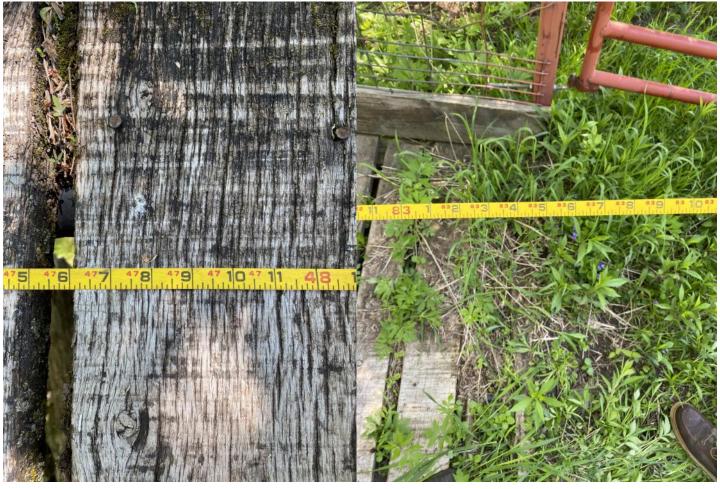
North end. Also showing cross members and deck condition



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.

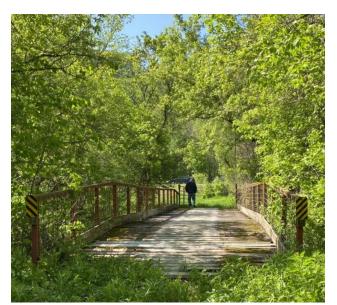


Both sides have brush and washed that will need to be cleaned out



Upstream side of bridge has a bent railing beam

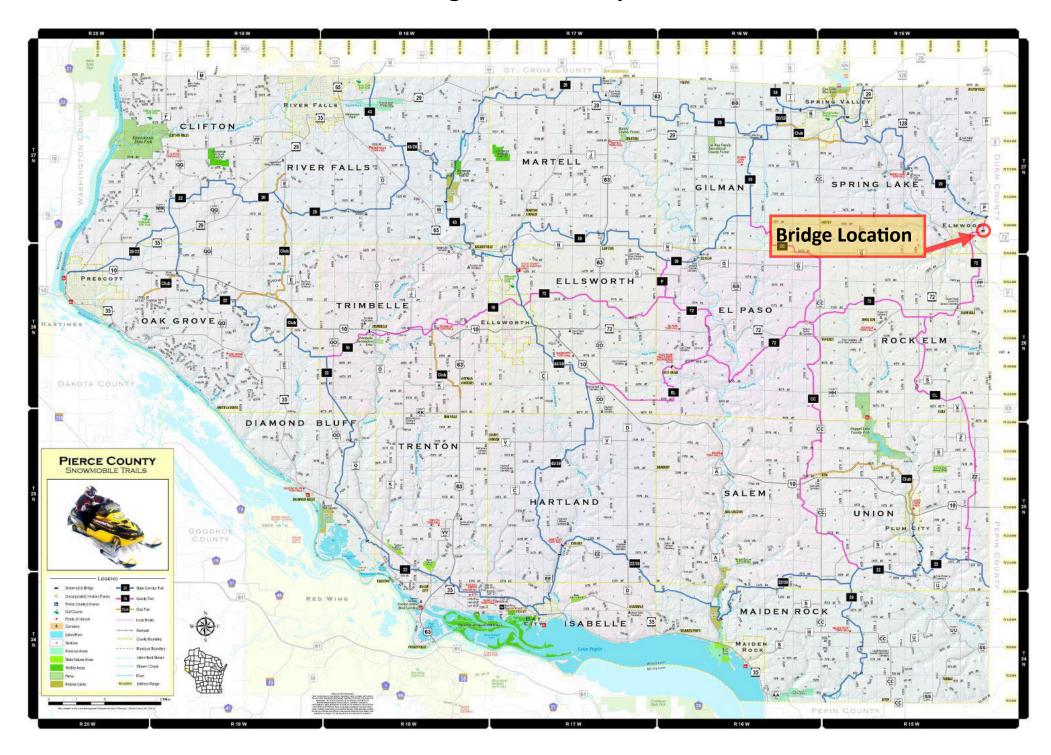




Most of the deck looks like this. Some have been replaced through the years.

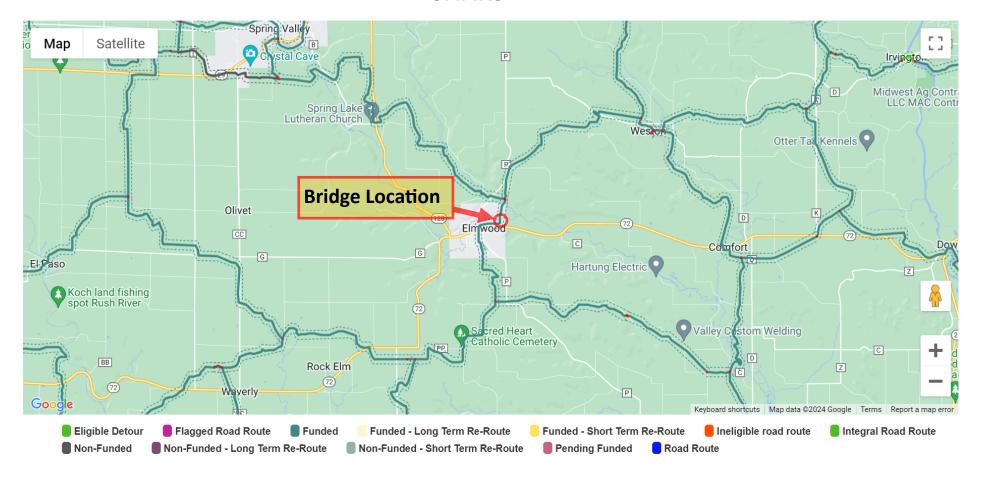
When we walked on it we stayed over the I-beams. If not completely replaced it needs a re-deck.

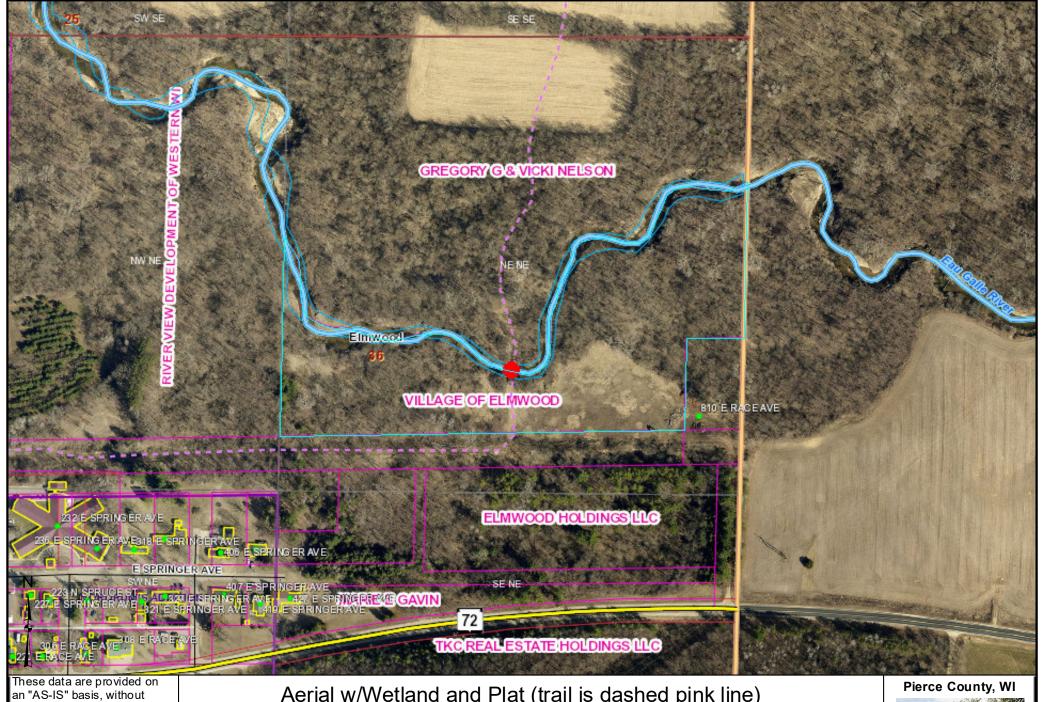
Bridge Location Map



Bridge Location Map

SNARS





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.

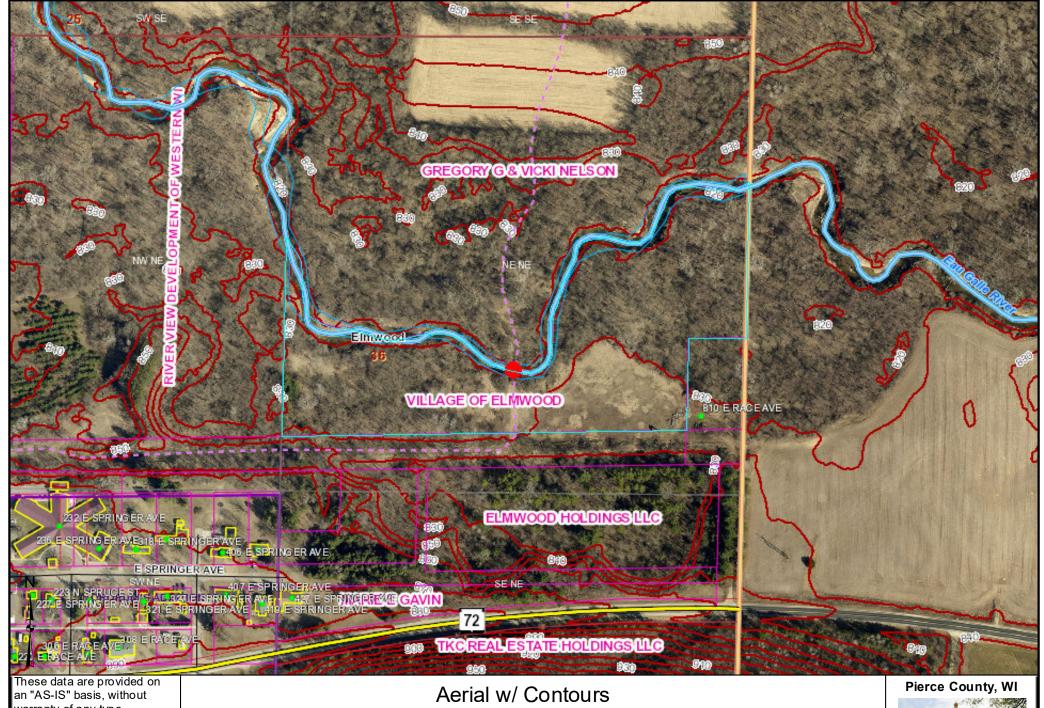
Aerial w/Wetland and Plat (trail is dashed pink line)

Elmwood Nelson Bridge

1:3,328 Date: 4/12/2024

This map is not a substitute for accurate field surveys or for locating actual property lines and anyadjacent features



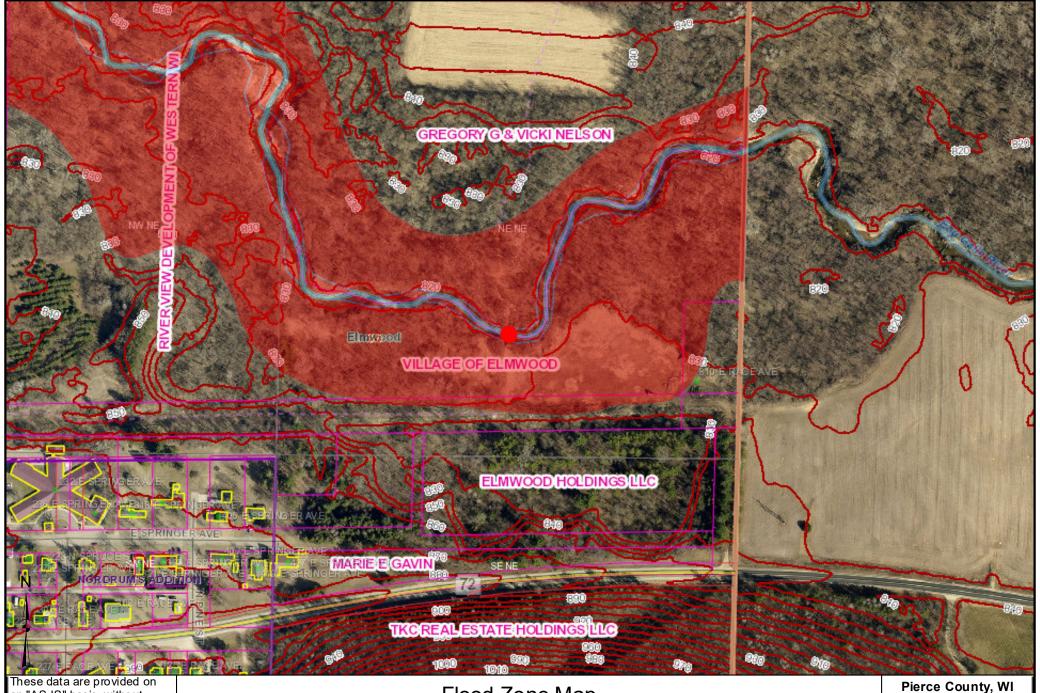


These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

Elmwood Nelson Bridge

1:3,328 Date: 4/12/2024

This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features



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Flood Zone Map

Elmwood/Nelson Bridge

1:3,328 Date: 4/12/2024

This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.

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 all portions of that trail to the nearest road on each side of the bridge		
3-9 year deeded easement on private land or other public land, for <u>all portions of that</u>	4	
<u>trail to the nearest road</u> on each side of the bridge		
10 or more year deeded easement on private land or other public land, for <u>just the bridge</u> <u>site</u>	3	1
3-9 deeded easement on private land or other public land, for just the bridge site	2	
10 or more year land use agreement (LUA, not deeded) on private land or other public land	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:

Report Summary for Elmwood/ Nelson Bridge.

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	New

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 widesproad on both girders. Abut ment are 11" round pilings topped with 12" x 8" x 1/2 I-beam. Good condition. The wooden deck is in very pour condition, with severe decay on many of the boards. Deck should be replaced. Channel is in good Condition.

5/28/24 Bradley a Paplin IMSP. No. 6522