# #23 Langlade Bridge 1 Replacement

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Due Date: April 15

**Motorized Recreation Grant Application** 

For: (choose all that apply)

Form 8700-159 (R 04/22)

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 Check Recipient: Individual other than authorized individual to act Applicant / Organization Name on behalf of the applicant. Select if the same as applicant. Langlade County Forestry Department Check Recipient Name (Name to Appear on Check) Individual Authorized to Act on Behalf of Applicant per Resolution Langlade County Treasurer Al Murray Title Title Treasurer Forest Administrator Address Address 1633 Neva Raod 1633 Neva Road State ZIP Code ZIP Code City State City WI 54409 54409 Antigo WI Email Address Telephone Number amurray@co.langlade.wi.us (715) 627-6300 Section 2: Project Information Required for all Projects New Miles (if applicable) **Current Funded Miles Project Title** 539.1 Langlade County Bridge #X Replacement **GPS Coordinates:** 1/4 Section 1/4 1/4 Township Range County 45.047774 Lat. ⊕E Long. -89.088204 SE 30 N 12 OW 30 Langlade Langlade County proposes to replace an existing snowmobile bridge in the Phlox area. This bridge crosses the Red River on a major east to west connection on the south end of Langlade County. This bridge is over 30 years old and is in poor condition. The pilings/abutments are deteriorating and in urgent need of replacement. Temporary measures have been taken to keep the bridge usable in the short term. However, without a replacement this trail will have to be closed impacting 9.5 miles of trail and three snowmobile clubs in two counties. This would also reduce the Phlox Winter Knights trails by approximately 25%. Bridge costs to be split 50% Snowmobile, 50% Winter ATV. Langlade County Winter ATV trails open ten days after the snowmobile trails open. They are open to ATVs only and only when the temperature is less than 28 degrees. UTVs are not permitted on the Langlade County Winter ATV trail system. I certify that all maintenance land use agreements are on file. **Estimated Cost** Total Estimated Cost Trail Rehab. Bridge Rehab. Development Acquisition Insurance Maintenance \$111,608.00 \$111,608.00 Leave Blank - DNR Use Only **Applicant Certification** 

As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.

Official's Title

Forest Administrator

Signature of Authorized Official

Printed Name of Authorized Official

Al Murray

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					Reroute with new bridge					
County	Township F	Range	<b>⊙</b> E	Section	1/4 1/4	1/4	GPS Coordinate Lat. 45.047			
Langlade	30 N	12	OW	30 E2 Long89.088204						
Water Body Name				Bri	Bridge Name County Inventory Numb					
W. Branch Red River					Langlade County # 🔀 1					
Funded Trail Name or Number (SN	IARS if appli	icable)				_ 85		elopment or rehabilita	ition funds	
Phlox 6					the past	<u> </u>		ear:\$		
Bridge is located on:   Private	property					/Culvert Siz				
O Public	property						ize <u>40'x12'</u>			
Landowner Where Bridge is Locate	ed			Те	lephone	Number	Length of T	rail Use Agreement	(5 year minimum)	
Robert Samolinski							9			
Current maximum load Unl	known	lbs.	Age of	Bridge	idge Bridge Material					
Proposed maximum load 25	5,000	lbs.	About		0 years   Steel with Wood Deck					
Sponsoring Club Name				Club	Club Contact			Telephone Number		
Phlox Winter Knights					nael Zin			(715) 610-2		
,				What	is the m	naximum lo nthis bridge	ad of the other b	ridges on the system	if	
	01	Yes (	No	10			ent in the Phlox	trails		
What is the weight of your puller &	drag/gradin	g equi	pment?	140 0	tilei or	ages pres	ont in the 1 mos	t titilis.		
15000 lbs			11							
What other recreational trail uses a	are planned	for this	s bridge	?						
Snowmobile and Winter ATV		-								
If there are other Recreational use	s planned, h	now mu	uch of th	ne bridg	e cost w	ill be paid	for by non-snown	nobile or non-ATV us	sers?	
Yes	cted your lo	cal <u>DN</u>	IR Wate	r Mana	gement	Specialist (	( <u>WMS)</u> regarding	a permit?		
Yes No Is a permit needed? (Please provide any writte					corresp	ondence fr	om WMS.)			
Yes					garding	a floodplai	n determination?			
Yes No Will an H & H (hydrologic and hydraulic) study be re				e require	ed?					

# **Bridge Project Detailed Description**

This bridges is approximately 30 years old and has deteriorating abutments and pilings. The deck is also in need of repairs. The weight rating of the existing bridge is unknown. Langlade County is proposing to replace the existing bridge with a 12'x40' bridge rated for 25,000 lbs to accommodate modern grooming equipment. This new structure would be expected to have a lifespan of more than 30 years. No chapter 30 permits are required for an in-kind replacement see attached DNR correspondence. A zoning permit will be required for work taking place within a flood plain. Cost estimates include permits, the bridge structure, removal of the existing bridge, installation of the new bridge and disposal of the old structure.

Per Langlade County, the current structure and abutments are in poor condition and the bridge will be disposed of upon replacement.

Appendix A (continued)

# **Motorized Recreation Grant Application**

Form 8700-159 (R 04/22)

Page 4 of 5

			Bridge	Structure			
			Quote	1		Qı	uote 2
			○ Steel •	Wooden	(	Steel	○ Wooden
3ridge	Dimensions:		12x4	0	_	1	2x40
	Manufacturer	: Wheeler In	corperated		Contech		
Desigr	n Weight Load		25	5,000 lbs.	_		25,000 lbs.
Cost	of Structure:	1. Engineering	\$		Ş	\$	
		2. Structure	\$ <u>69,405</u>		5	\$ <u>45,000</u>	
		Subtotal	\$ 69,405		;	\$ <u>45,000</u>	
			Quote	1		Q	uote 2
		•	Contractor or	○ Sponsor	● C		or ( Sponso
Install	lation Costs:		Estima	ate		Es	stimate
1.	Engineering		\$		3	\$ 4,000	
2.	Site Preparat	ion	\$		3	\$	
3. Abutments		\$		\$ <u>15,000</u>			
4.	Pilings/Piers		\$ 21,000			\$	
5.	Approaches		\$			\$	
6.	Riprap		\$			\$	
7.	Labor		\$ 33,240			\$ <u>45,250</u>	0
8.	Equipment R	ental	\$			\$	
9.	Culverts		\$			\$	
10.	H & H Study		\$			\$	
11.	Wetland Deli	neation	22			\$	
12.	Other		\$			\$	
		Subtota	al \$54,240			\$ 64,25	0
		Total Co	st \$ 123,645			\$ 109,2	50
For	the applic	cation grant, yo	ou must tal	ce the lowe	st of the two	o quot	es.
Enti	re Deck and	Railing Projects		○ Contracto	r O Sponsor	O Clu	b
Bridg	e Dimensions	:					
	gn Weight Loa			lbs.			
	Materials		\$				
	Labor		\$				
		Tot	al \$				

Per Langlade County, installation estimates were provided by both Larson, and Krueger and Steinfest. See attached estimates.

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

# Recreation Grant Project Cost Estimate Worksheet

Form 8700-014 (R 04/22)

Page 1 of 2

For use with Recreation Grant Application Forms

Project Name:		Prepared By:	Date
	acment	Cody Brauner	03/23/2023
Bridge # XRepl	Project Applicant:	Landowner Name	O Public
Langlade	Langlade County	Robert Samolinski	Private

,	DEVELOPMENT PROJECT ITEMS  List by individual item or break down by Use Areas  (See Item List On Back Of This Form)	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
7	Administration (Permitting/bidding/project oversight)	20	hrs	\$50.00	1,000.00
	Floodplain Permit	1	each	\$150.00	150.00
2	Signs/posts	8	each	\$6.00	48.00
7	Equipment Use (Truck, ATV/Snowmobile and Trailer)	10	hrs	\$16.00	160.0
C	Disposal of Existing Bridge	1	each	\$1,000.00	1,000.0

### NOTE:

- For development projects, contingency and indirect costs are not eligible expenses.
- For acquisition projects, complete the Acquisition Project Cost Estimate Section of this form.

# **Cody Brauner**

From: Eric Sturm < Eric.Sturm@ContechES.com>
Sent: Thursday, February 2, 2023 10:54 AM

To: Cody Brauner

Subject: \*\*External Email\*\* RE: [EXTERNAL] Bridge Replacements

Cody,

Anticipated costs for the abutments will be \$15,000 with an additional \$3,000-\$4,000 for the foundation design. We will require a Geotech report with the required information for us to be able to design the foundations.

Thanks.

#### Eric W Sturm

**Bridge Consultant** 

### **CONTECH Engineered Solutions LLC**

6441 Enterprise Lane, Suite 116 | Madison, WI 53719 Cell: 608-215-3937 Fax: 608-216-9865 www.conteches.com esturm@conteches.com

From: Cody Brauner < CBrauner@co.langlade.wi.us>
Sent: Wednesday, February 1, 2023 10:27 AM
To: Eric Sturm < Eric.Sturm@ContechES.com>
Subject: RE: [EXTERNAL] Bridge Replacements

Good morning Eric,

Per our discussion this morning please provide the cost for Contech engineering that will be needed for each bridge structure.

Also, could you provide a ball park estimate of cost for abutments and helical pilings at each site?

Additionally, the grant requires detailed drawings of the structures. Do you have a representative drawing scale drawing that you would be able to share for the grant applications?

Thank you for your help on these grant projects.

# Cody Brauner

Forester Langlade Co. Forestry Dept. <u>cbrauner@co.langlade.wi.us</u> (715) 627-6300

From: Eric Sturm < <a href="mailto:Eric.Sturm@ContechES.com">Eric Sturm@ContechES.com</a>>

Sent: Friday, August 12, 2022 1:11 PM

**To:** Cody Brauner < CBrauner@co.langlade.wi.us > **Subject:** RE: [EXTERNAL] Bridge Replacements

#### Cody,

The engineering cost of the bridge is included in the cost of the bridge.

 35 x 12 Truss Bridge
 \$40,000

 40 x 12 Truss Bridge
 \$45,000

 45 x 12 Truss Bridge
 \$50,000

Weathering steel Wood Deck

#### Eric W Sturm

**Bridge Consultant** 

#### **CONTECH Engineered Solutions LLC**

6441 Enterprise Lane, Suite 116 | Madison, WI 53719 Cell: 608-215-3937 Fax: 608-216-9865

www.conteches.com esturm@conteches.com

From: Cody Brauner < CBrauner@co.langlade.wi.us>

Sent: Thursday, July 28, 2022 7:09 AM

**To:** Eric Sturm < <a href="mailto:Eric.Sturm@ContechES.com"> Subject: [EXTERNAL] Bridge Replacements</a>

# CAUTION: This email originated from outside of the organization. Exercise caution when opening attachments or clicking links, especially from *UNKNOWN* senders.

Good Morning Eric,

Langlade County is planning on applying for grant funding to replace four snowmobile/winter ATV bridges in southwestern Langlade County. I am seeking cost estimates that could be used for the grant process. Pictures of the existing bridges are attached to this email, as well as, a map showing the locations of the snowmobile bridges. Some additional information on the bridges is included below.

Bridge 2 is located on private lands access is across an agricultural field would be possible to access during dry conditions depending on crops in the field. Bridge abutments are deteriorating. The existing bridge is 12'x38' we would plan to replace with a 12'x40' bridge.

Bridge 4 is located on private lands access to bridge is across wetlands. Likely winter access only to the bridge location. Existing bridge is 12'x45' replacement will be the same. Abutments have heaved on one side.

Bridge 5 is located on private lands access to bridge is across wetlands. May be accessible during dry periods of the summer. Existing bridge is 12'x35' replacement will be the same.

Bridge 19 is located on private lands access is on farm road area around bridge is moderately wet will require dry ground for equipment operation. Existing bridge is 12'x35' replacement will be the same.

Please provide an itemized cost estimate if possible including the following for each bridge:

#### Sheel1

# LANGLADE COUNTY BRIDGE REPLACEMENTS

BRIDGE	WHEELER QUOTE	KRUEGER REMOVAL & INSTALLATION	TRANSPORT OR DISPOSAL	EXTENDED PRICE
SITE #2 - CTH D & DEER RD	\$69,405.00	\$45,250.00	\$1,000.00	\$115,655.00
SITE #4 - COUNTY LINE & SURTY RD	\$104,380.00	\$72,250.00	\$1,500.00	\$178,130.00
SITE #5 - ORMSBY RD & FIRE LN	\$65,480.00	\$44,500.00	\$1,250.00	\$111,230.00
SITE #19 - PIONEER RD & MILLER LN	\$65,480.00	\$43,750.00	\$1,000.00	\$110,230.00
TOTAL ALL BRIDGES	\$304,745.00	\$205,750.00	\$4,750.00	\$515,Ž45.00
KRUEGER & STIENFEST, INC.				
PO BOX 159 – 539 E FORREST ROAD				
ANTIGO, WI 54409 715-627-7020				

for Rod Instalation will be same for Contech Bridge as well



# Larson Construction Co Inc

19681 - 55th Avenue Chippewa Falls WI 54729 PH 715.723.9708 FX 715.723.4515 September 30, 2022 Langlade Co Trail Bridges Project Estimate

Site Location	Description	Quantity	Unit	Unit Price	Total	
	Install 40'x12' Timber Bridge	1	LS	\$ 18,940.00	\$	18,940.00
Site #2	Remove and Dispose of Existing Structure	1	LS	\$ 14,300.00	\$	14,300.00
	Install Helical Piling for 40'x12' Timber structure	10.00	EACH	\$2,100.00	\$	21,000.00
	Install 45'x12' Steel Truss Bridge (Site #4)	1.00	LS	\$32,621.00	\$	32,621.00
	Remove and Transport Existing Structure	1.00	LS	\$25,460.00	\$	25,460.00
1.5000000000000000000000000000000000000	Install Driven Timber Piling for 45'x12' Timber Abutments (Site #4)	8.00	EACH	\$3,345.00	\$	26,760.00
	Install 36'x12" Timber structure (Site #5)	1.00	LS	\$21,240.00		21,240.00
Site #5	Remove and Transport Existing Structure	1.00	LS	\$19,420.00	\$	19,420.00
	Install Helical Piling for 36'x12' Timber structure	10.00	EACH	\$2,246.00	\$	22,460.00
	Install 36'x12' Timber Panel Bridge (Site #19)	1.00	LS	\$21,240.00	\$	21,240.00
Site #19	Remove and Transport Existing Structure	1.00	LS	\$18,740.00	\$	18,740.00
	Install Helical Piling for 36'x12' Timber structure	10.00	EACH	\$2,246.00		22,460.00
				Base Bid Totals		\$231,401.00

#### Notes:

1 Larson Construction is a Union Contractor.

3 All Utility Conflicts, Resolved By Others

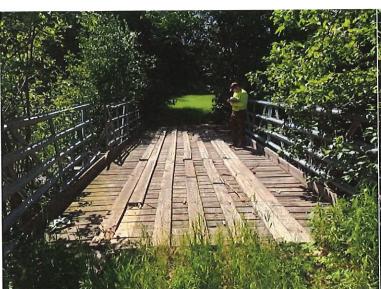
	Tim MacLaaghlin-Barck	Date:	9/7/2021	
Signed:	Tim MacLaughlin-Barck	Title:	VP, Operations	
Accepted:		Date:		
,p		Title:		

# Bridge # 21

# Phlox Trails

# Town of Norwood, Langlade County

# T30N R12E Section 30



Bridge Deck Looing West



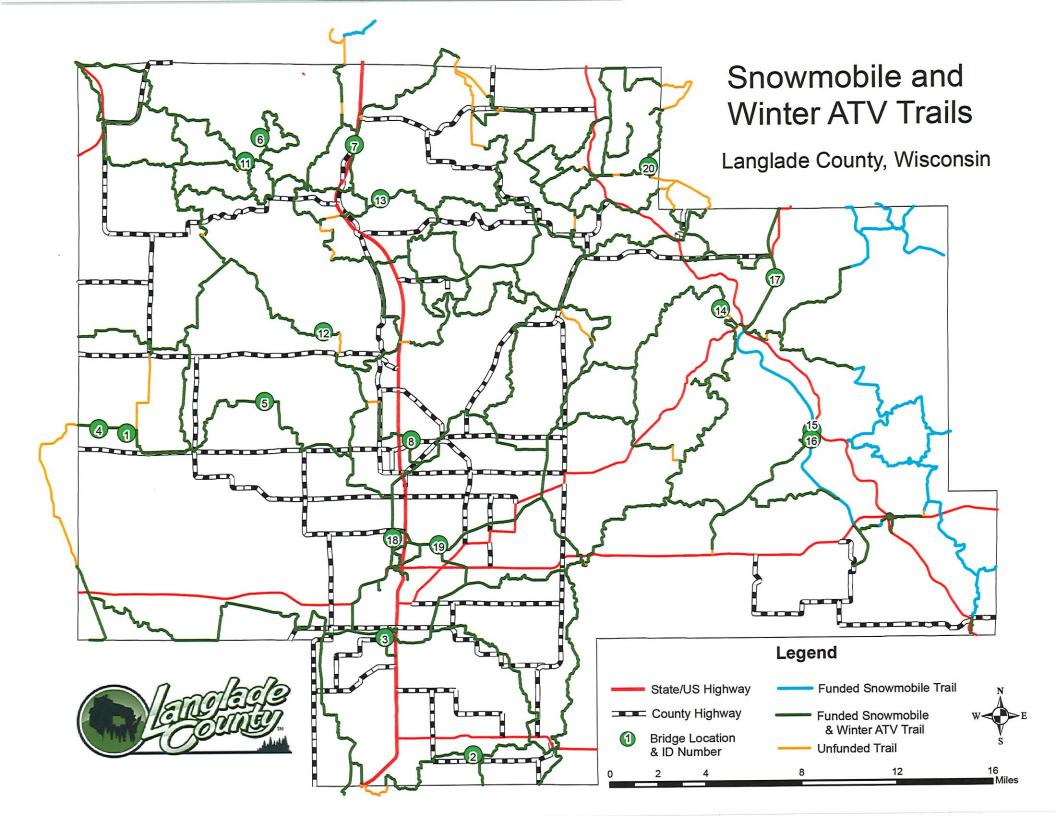
Bridge Deck Looking East



Bridge Substructure Looking West



East Abutment



# Bridge X 1 Replacement Project

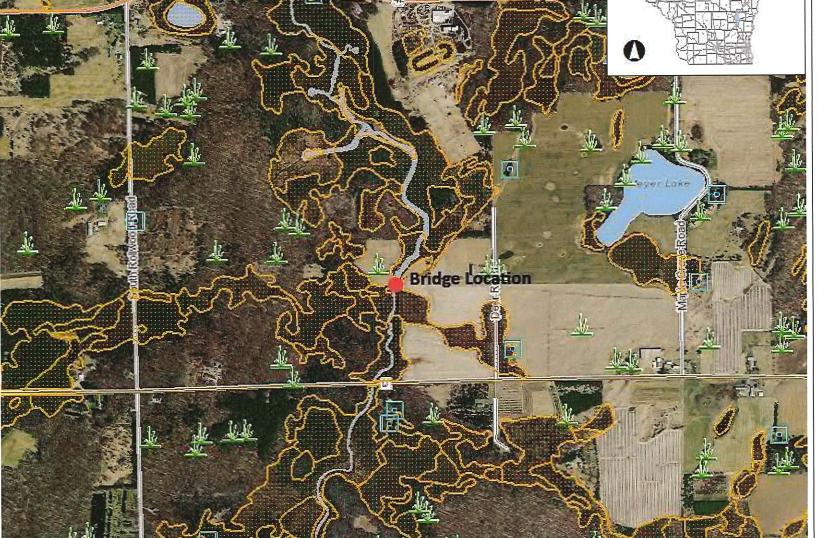
Langlade County, Wisconsin



# WISCONSIN DEPT, OF NATURAL RESOURCES

# Langlade County Bridge 2 Replacement Wetlands 1





0.5 0 0.25 0.5 Miles

NAD\_1983\_HARN\_Wisconsin\_TM

1: 15,840

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/

## Legend

Wetland Class Areas
Wetland Class Points

▲ Dammed pond

Excavated pond

Filled/drained wetland

Wetland too small to delineate

Filled excavated pond

Filled Points

Wetland Class Areas

Filled Areas

Wetland Class Areas
Wetland Class Points

Dammed pond

Excavated pond

Filled/drained wetland

Filled/drained wetland

Wetland too small to delineate
Filled excavated pond

Filled Points

Wetland Class Areas

Filled Areas

 Wetland Identifications and Confirmations

Municipality

State Boundaries

County Boundaries

Major Roads

Interstate Highway

State Highway

US Highway

County and Local Roads

County HWY

Local Road

Railroads

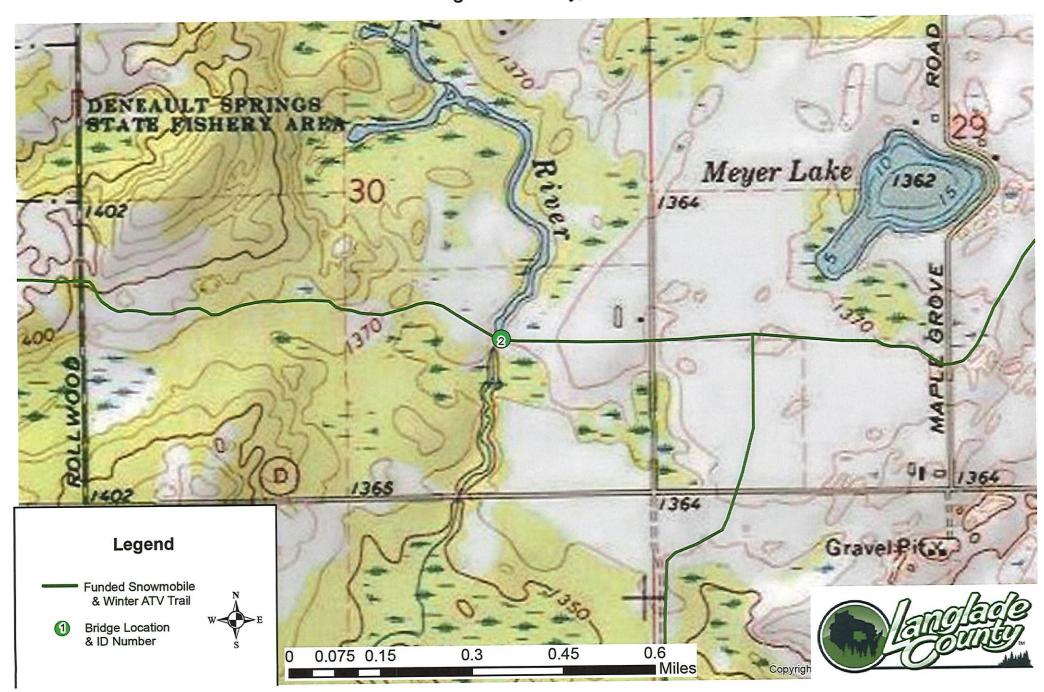
Tribal Lands

Divers and Ctreems

Notes

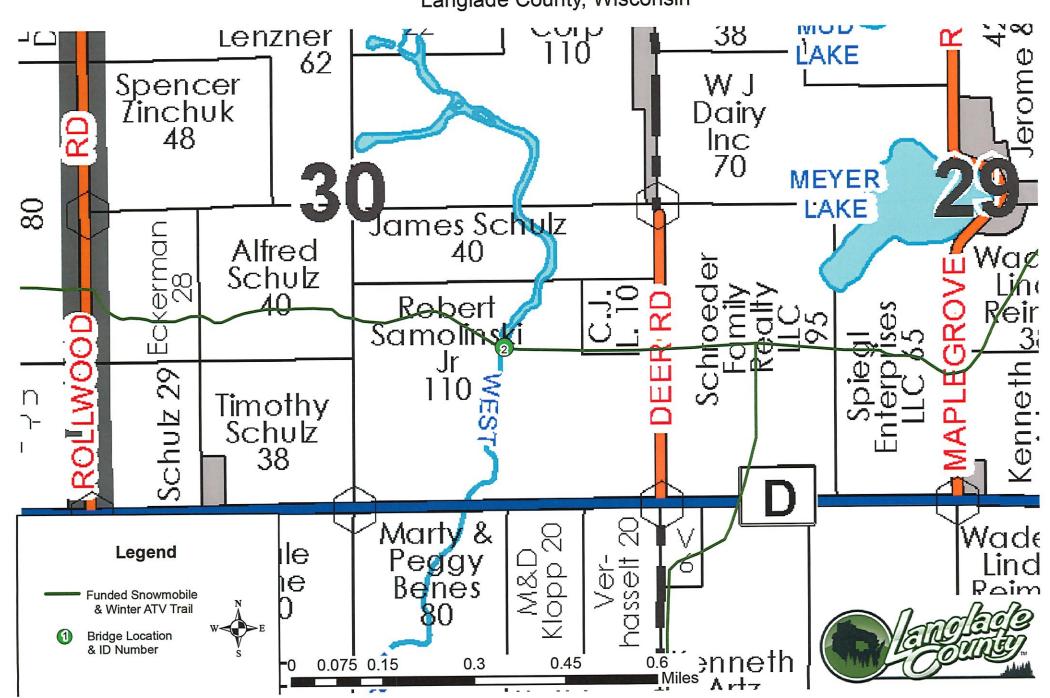
# Bridge X 1 Replacement Project

Langlade County, Wisconsin



# Bridge 2 1 Replacement Project

Langlade County, Wisconsin



# **Cody Brauner**

From:

Seidl, Jared W - DNR < Jared. Seidl@wisconsin.gov>

Sent:

Thursday, January 5, 2023 9:35 AM

To:

Cody Brauner

Subject:

\*\*External Email\*\* 3 snowmobile bridges

## Good Morning Cody,

Per our discussion and review of the 3 permitted snowmobile bridges listed below, no additional DNR permitting is required to repair or replace these bridges with "in-kind" bridges of the same specifications as this is deemed maintenance to those existing, previously approved structures. Be sure to contact and obtain any required authorizations from the Langlade County zoning office. Please let me know if you need any further information or assistance.

#3-NC-1990-34-1018 #7-#3-NC-1991-34-1070 #3-NC-1993-34-1031

#### Thanks,

#### We are committed to service excellence.

Visit our survey at <a href="http://dnr.wi.gov/customersurvey">http://dnr.wi.gov/customersurvey</a> to evaluate how I did.

## Jared Seidl

Water Management Specialist – Habitat & Outdoor Recreation Team Wisconsin Department of Natural Resources 473 Griffith Ave., Wisconsin Rapids, WI 54494 Phone: (920) 420-5960

jared.seidl@wisconsin.gov



CAUTION: This email originated from outside of our organization. Proceed with caution.



# Phlox Winter Knights Snowmobile & ATV Club PO Box 45 - Phlox WI 54464

December 26, 2022

Dear Review Committee,

We are writing to request funding for a project to replace a bridge that is in the trails maintained by the Phlox Winter Knights snowmobile club. The current bridge, which spans a small river, is in poor condition and has become a safety hazard for snowmobilers, snow groomers and other recreational vehicle operators who use it.

The proposed replacement bridge will be more durable and provide a safe river crossing. In addition, the new bridge will meet or exceed current snowmobile bridge standards and be able to support the weight of groomers and other equipment, which will allow us to maintain the trails more effectively.

Our snowmobile club is an important part of our community, providing recreational opportunities and promoting tourism in the area. The bridge is a vital component of the trails that we maintain.

We appreciate your consideration of our request and look forward to using the funds provided by the grant to improve our community's recreational infrastructure.

Meade

Sincerely,

Phlox Winter Knights

Jeane Meade, Secretary

Bridge 1

















