

#23 Langlade 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 04/22)

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 Langlade County Forestry Department				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 Al Murray				Check Recipient Name (Name to Appear on Check) Langlade County Treasurer			
Title Forest Administrator				Title Treasurer			
Address 1633 Neva Road				Address 1633 Neva Raod			
City Antigo	State WI	ZIP Code 54409	City Antigo	State WI	ZIP Code 54409		
Telephone Number (715) 627-6300		Email Address amurray@co.langlade.wi.us					

Section 2: Project Information Required for all Projects

Project Title Langlade County Bridge #1 Replacement						Current Funded Miles 539.1	New Miles (if applicable)
County Langlade	Township 30 N	Range 12	Section 30	¼ ¼ SE	GPS Coordinates: Lat. 45.047774 Long. -89.088204		

Project Description Summary

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

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$111,608.00		\$111,608.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Al Murray	Official's Title Forest Administrator
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As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.


 Signature of Authorized Official

3/23/23
 Date Prepared

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

	Quote 1	Quote 2
	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden	<input checked="" type="radio"/> Steel <input type="radio"/> Wooden
Bridge Dimensions:	_____ 12x40 _____	_____ 12x40 _____
Bridge Manufacturer:	_____ Wheeler Incorporated _____	_____ Contech _____
Design Weight Load	_____ 25,000 lbs. _____	_____ 25,000 lbs. _____
Cost of Structure:		
1. Engineering	\$ _____	\$ _____
2. Structure	\$ <u>69,405</u>	\$ <u>45,000</u>
Subtotal	\$ <u>69,405</u>	\$ <u>45,000</u>

	Quote 1	Quote 2
	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ <u>4,000</u>
2. Site Preparation	\$ _____	\$ _____
3. Abutments	\$ _____	\$ <u>15,000</u>
4. Pilings/Piers	\$ <u>21,000</u>	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ _____	\$ _____
7. Labor	\$ <u>33,240</u>	\$ <u>45,250</u>
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other _____	\$ _____	\$ _____
Subtotal	\$ <u>54,240</u>	\$ <u>64,250</u>
Total Cost	\$ <u>123,645</u>	\$ <u>109,250</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 \$ _____

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

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.
cbrauner@co.langlade.wi.us
(715) 627-6300

From: Eric Sturm <Eric.Sturm@ContechES.com>
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.lanlgade.wi.us>

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

To: Eric Sturm <Eric.Sturm@ContechES.com>

Subject: [EXTERNAL] Bridge Replacements

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:

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	\$515,245.00
KRUEGER & STIENFEST, INC.				
PO BOX 159 – 539 E FORREST ROAD				
ANTIGO, WI 54409 715-627-7020				

Per Rod Installation 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
Site #2	Install 40'x12' Timber Bridge	1	LS	\$ 18,940.00	\$ 18,940.00
	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
Site #4	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
	Install Driven Timber Piling for 45'x12' Timber Abutments (Site #4)	8.00	EACH	\$3,345.00	\$ 26,760.00
Site #5	Install 36'x12" Timber structure (Site #5)	1.00	LS	\$21,240.00	\$ 21,240.00
	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
Site #19	Install 36'x12' Timber Panel Bridge (Site #19)	1.00	LS	\$21,240.00	\$ 21,240.00
	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 MacLaughlin-Barck

Signed:

 Tim MacLaughlin-Barck

Date: 9/7/2021

 Title: VP, Operations

Accepted:

Date:

 Title:

Bridge # 21

Phlox Trails

Town of Norwood, Langlade County

T30N R12E Section 30



Bridge Deck Looking West



Bridge Deck Looking East



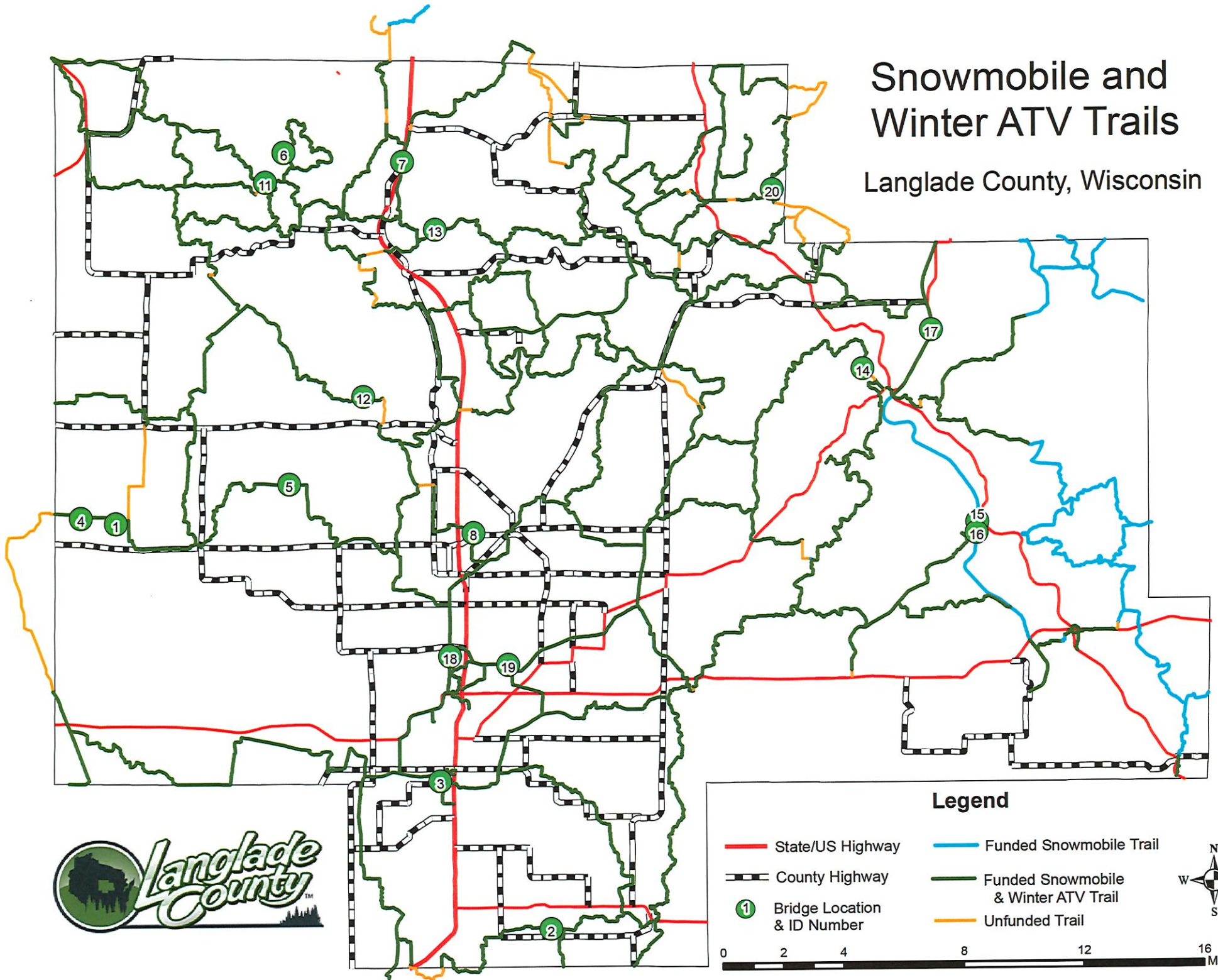
Bridge Substructure Looking West



East Abutment

Snowmobile and Winter ATV Trails

Lanlgade County, Wisconsin

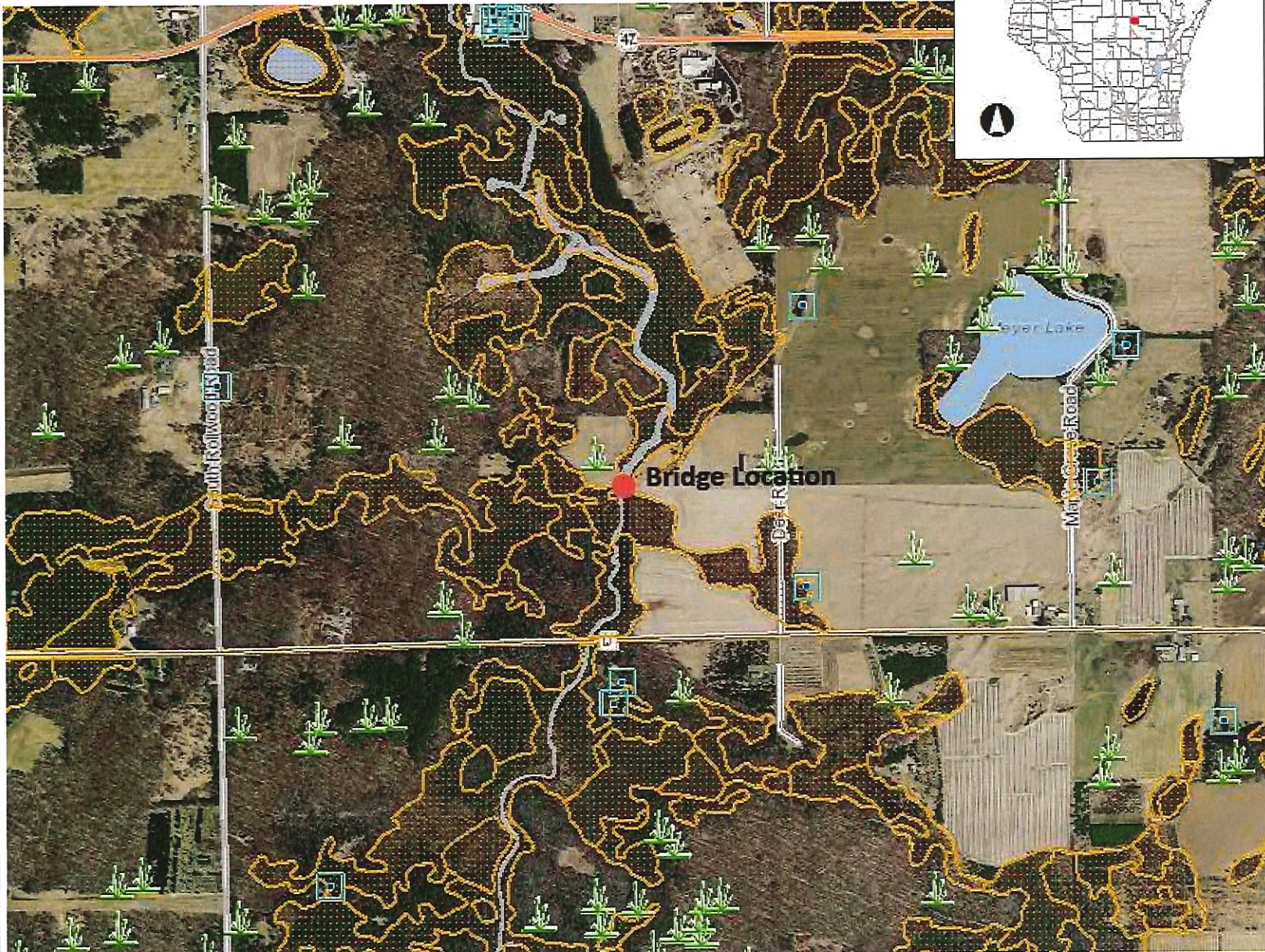


Bridge X 1 Replacement Project Langlade County, Wisconsin





Langlade County Bridge 2 Replacement Wetlands 1



Legend

- 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 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
- Municipality
- State Boundaries
- County Boundaries
- Major Roads**
- Interstate Highway
- State Highway
- US Highway
- County and Local Roads**
- County HWY
- Local Road
- Railroads
- Tribal Lands
- Rivers and Streams

0.5 0 0.25 0.5 Miles

NAD_1983_HARN_Wisconsin_TM

1: 15,840

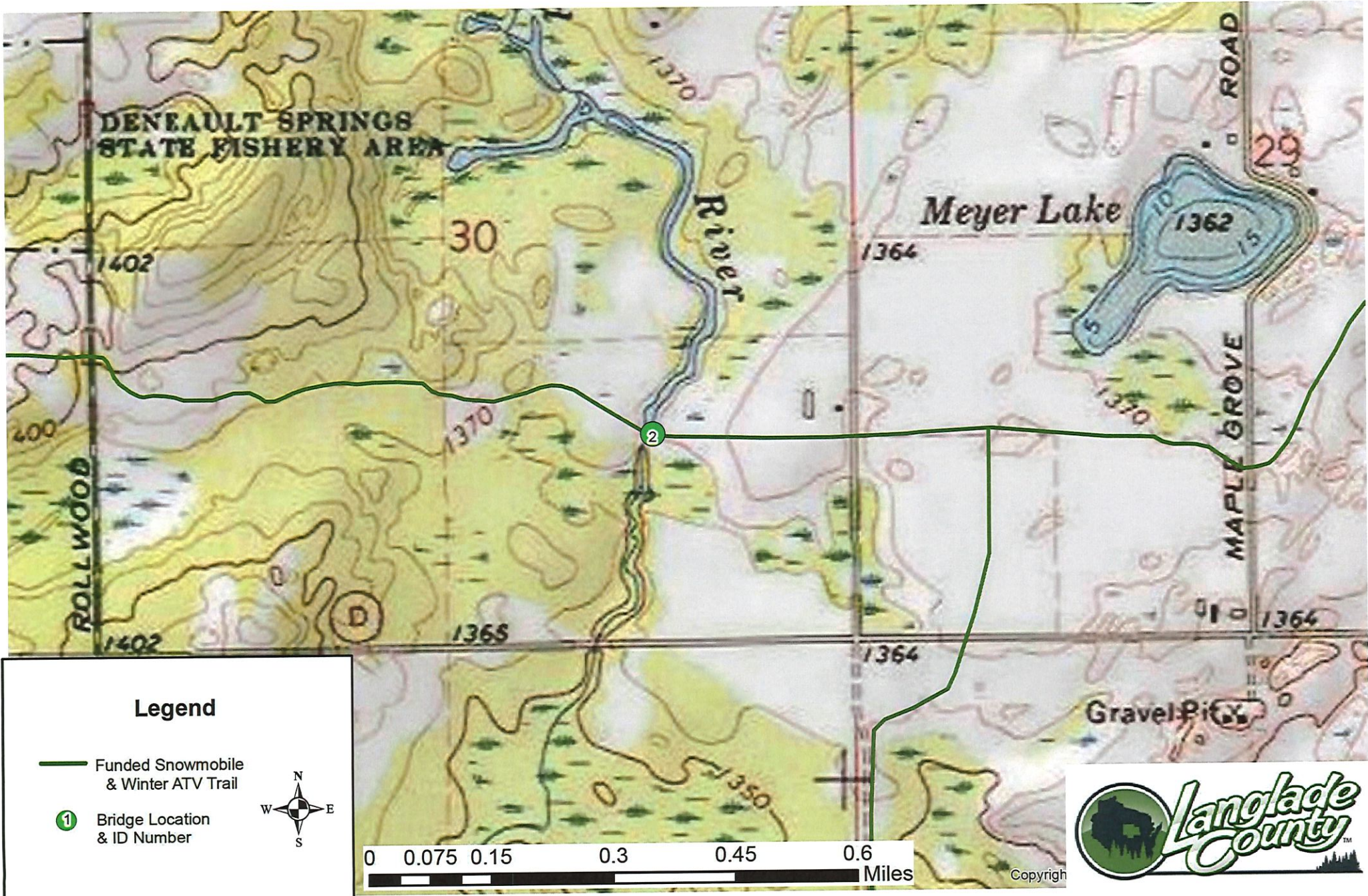
DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No 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/>

Notes

Bridge ~~X~~ 1

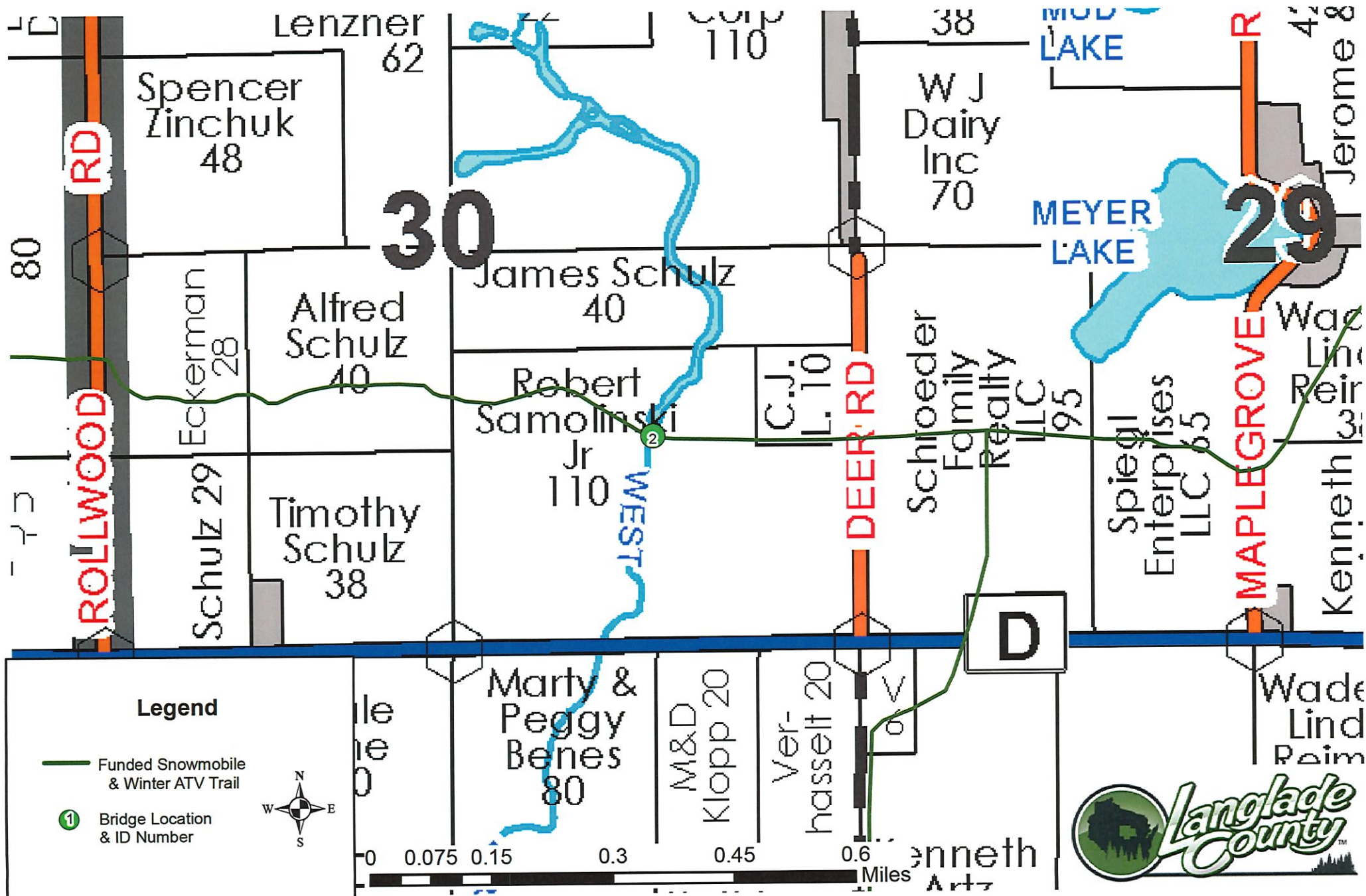
Replacement Project

Langlade County, Wisconsin



Bridge X 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 #2
#3-NC-1991-34-1070
#3-NC-1993-34-1031

Thanks,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> 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.

Sincerely,

Phlox Winter Knights

Jeane Meade, Secretary

Bridge 1









