

S-24 Langlade Bridge 4 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

- ATV/UTV Trail Aid
 Snowmobile Trail Aid

Due Date: April 15

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 #4 Replacement					Current Funded Miles 539.1	New Miles (if applicable)
County Langlade	Township 32 N	Range 9	Section 19	¼ ¼ NE	¼ NE	GPS Coordinates: Lat. 45.247464 Long. -89.407581

Project Description Summary

Langlade County proposes to replace an existing snowmobile bridge in the Antigo Sno-Drifters area. This bridge crosses McCloud Creek on a major east to west connection to Lincoln County County. This bridge is 30 years old and the deck is in very poor condition. In addition to the decking the capacity of the bridge is under rated for the grooming equipment being used now. The pilings/abutments have heaved and will also need replacement. Temporary measures have been taken to keep the bridge usable in the short term.

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
				\$144,608.00		\$144,608.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Al Murray	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

3/23/23
 Date Prepared

Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge

Bridge Rehab/Replace New Bridge Reroute with new bridge

County Langlade Township 32 N Range 9 Section 19 1/4 NE 1/4 NE GPS Coordinates: Lat. 45.2474464 Long. -89.407581

Water Body Name McCloud Creek Bridge Name Langlade County #4 County Inventory Number 4

Funded Trail Name or Number (SNARS if applicable) _____

County Line _____

Bridge is located on: Private property Public property

Old Bridge/Culvert Size 45'x12' New Bridge/Culvert Size 45'x12'

Landowner Where Bridge is Located Jeffery Pahls Telephone Number _____ Length of Trail Use Agreement (5 year minimum) 9

Current maximum load 10,000 lbs. Proposed maximum load 25,000 lbs. Age of Bridge 31 Bridge Material Steel with wood deck

Sponsoring Club Name Antigo Sno-Drifters Club Contact Tim Grall Telephone Number (715) 216-3910

Do you have your trail bridges posted as to maximum load? Yes No

What is the weight of your puller & drag/grading equipment? 25,000lbs

What is the maximum load of the other bridges on the system if groomed with this bridge? 12,000 lbs+ Midspan load

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
This bridges is approximately 30 years old and has deteriorating decking and the pilings have heaved. The weight rating of the existing bridge is to low for grooming equipment used by the club. Langlade County is proposing to replace the existing bridge with a 12'x45' 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. A zoning permit will be required for work taking place within a floodplain. 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 decking and pilings are in poor shape and need to be replaced. The overall structure is OK, but undersized. Once removed, the bridge structure will be held by the County in the event a suitable use can be found.

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:		45x12	45x12
Bridge Manufacturer:	Wheeler Inc.	Contech	
Design Weight Load		25,000 lbs.	25,000 lbs.
Cost of Structure:	1. Engineering	\$ _____	\$ _____
	2. Structure	\$ 104,380	\$ 50,000
	Subtotal	\$ 104,380	\$ 50,000
		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	\$ _____	\$ 4,000
	2. Site Preparation	\$ _____	\$ _____
	3. Abutments	\$ _____	\$ 15,000
	4. Pilings/Piers	\$ 26,760	\$ _____
	5. Approaches	\$ _____	\$ _____
	6. Riprap	\$ _____	\$ _____
	7. Labor	\$ 32,621	\$ 72,250
	8. Equipment Rental	\$ _____	\$ _____
	9. Culverts	\$ _____	\$ _____
	10. H & H Study	\$ _____	\$ _____
	11. Wetland Delineation	\$ _____	\$ _____
	12. Other <u>Disposal existing Bridge</u>	\$ 25,460	\$ 1,500
	Subtotal	\$ 84,841	\$ 92,750
	Total Cost	\$ 189,221	\$ 142,750

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects		<input type="radio"/> Contractor	<input type="radio"/> Sponsor	<input type="radio"/> 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.

Recreation Grant Project Cost Estimate Worksheet

Form 8700-014 (R 04/22)

For use with Recreation Grant Application Forms

Project Name: Bridge # 4 Replacment		Prepared By: Cody Brauner	Date 03/23/2023
County Langlade	Project Applicant: Langlade County	Landowner Name Robert Samolinski	<input type="radio"/> Public <input checked="" type="radio"/> Private

Indicate - (C) Contract , (F) Force Acct., (D) Donated

↓	DEVELOPMENT PROJECT ITEMS <i>List by individual item or break down by Use Areas (See Item List On Back Of This Form)</i>	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
F	Administration (Permitting/bidding/project oversight)	30	hrs	\$50.00	1,500.00
C	Floodplain Permit	1	each	\$150.00	150.00
C	Signs/posts	8	each	\$6.00	48.00
F	Equipment Use (Truck, ATV/Snowmobile and Trailer)	10	hrs	\$16.00	160.00
C					
TOTAL \$					\$1,858.00

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.
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 # 4
Sno-Drifter Trails
Town of Vilas, Langlade County
T32N R9E Section 19



Bridge Deck Looking West



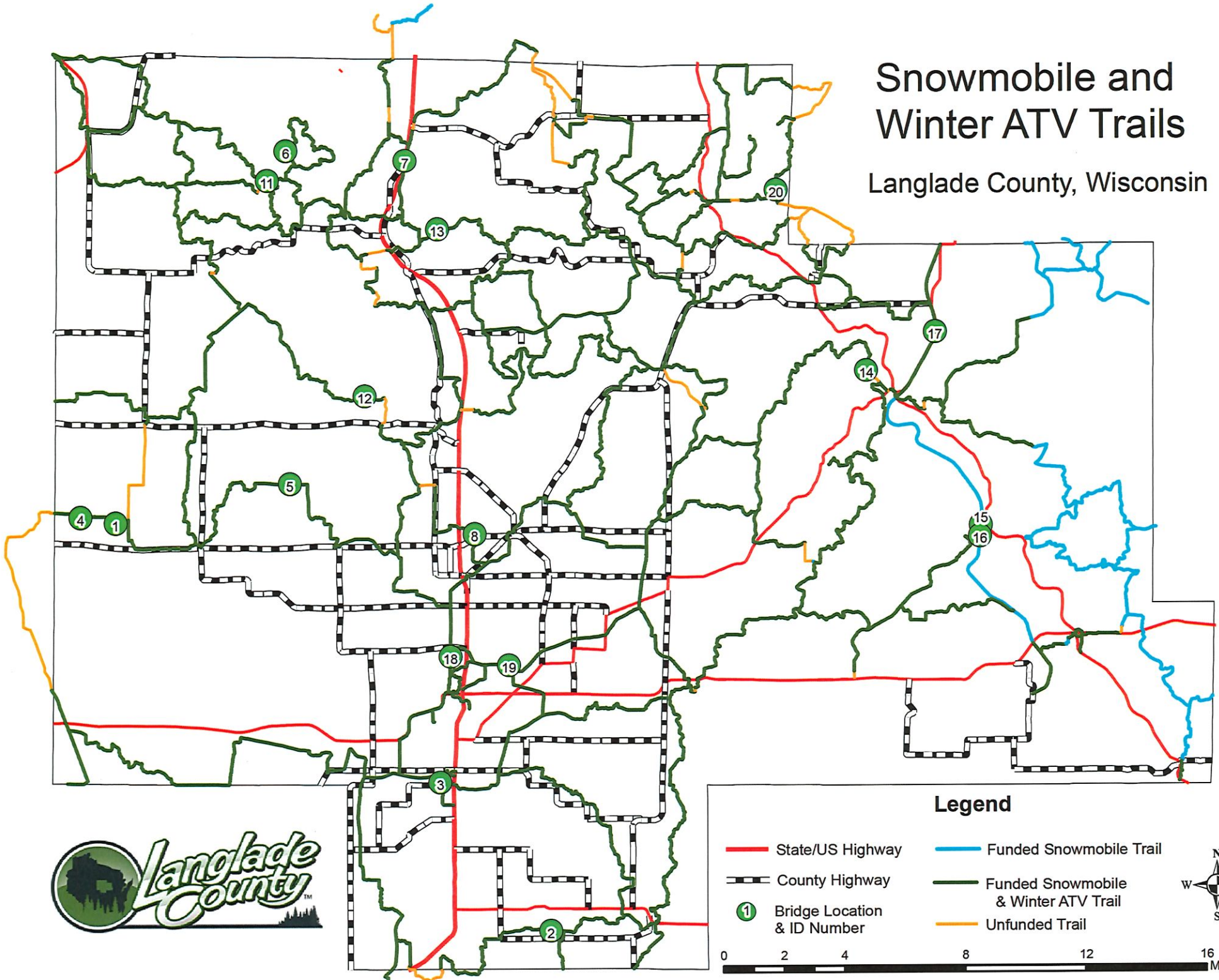
Bridge Deck Looking East



West Abutment

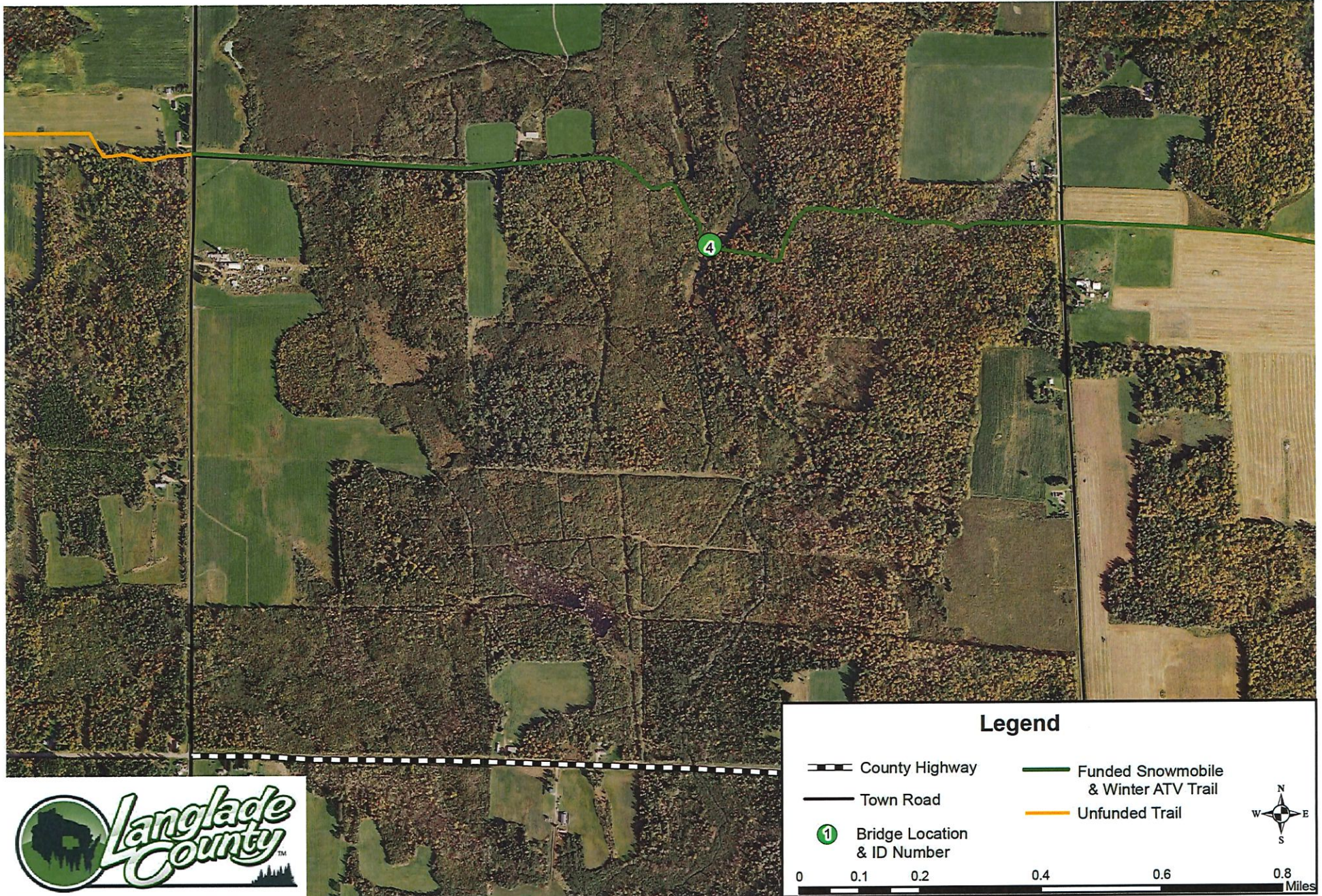
Snowmobile and Winter ATV Trails

Langlade County, Wisconsin



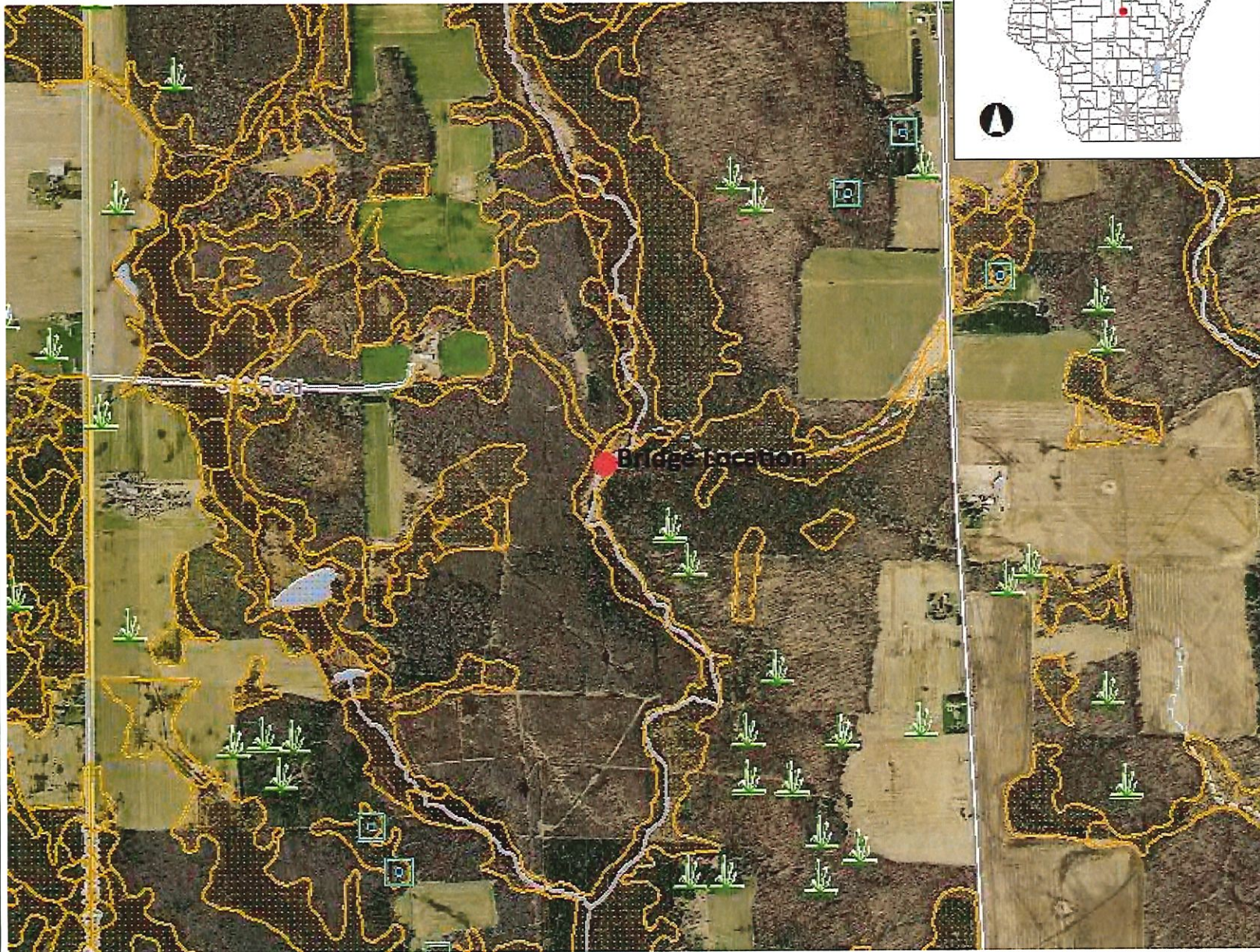
Bridge 4 Replacement Project

Langlade County, Wisconsin





Langlade County Bridge 4 Replacement Wetlands



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

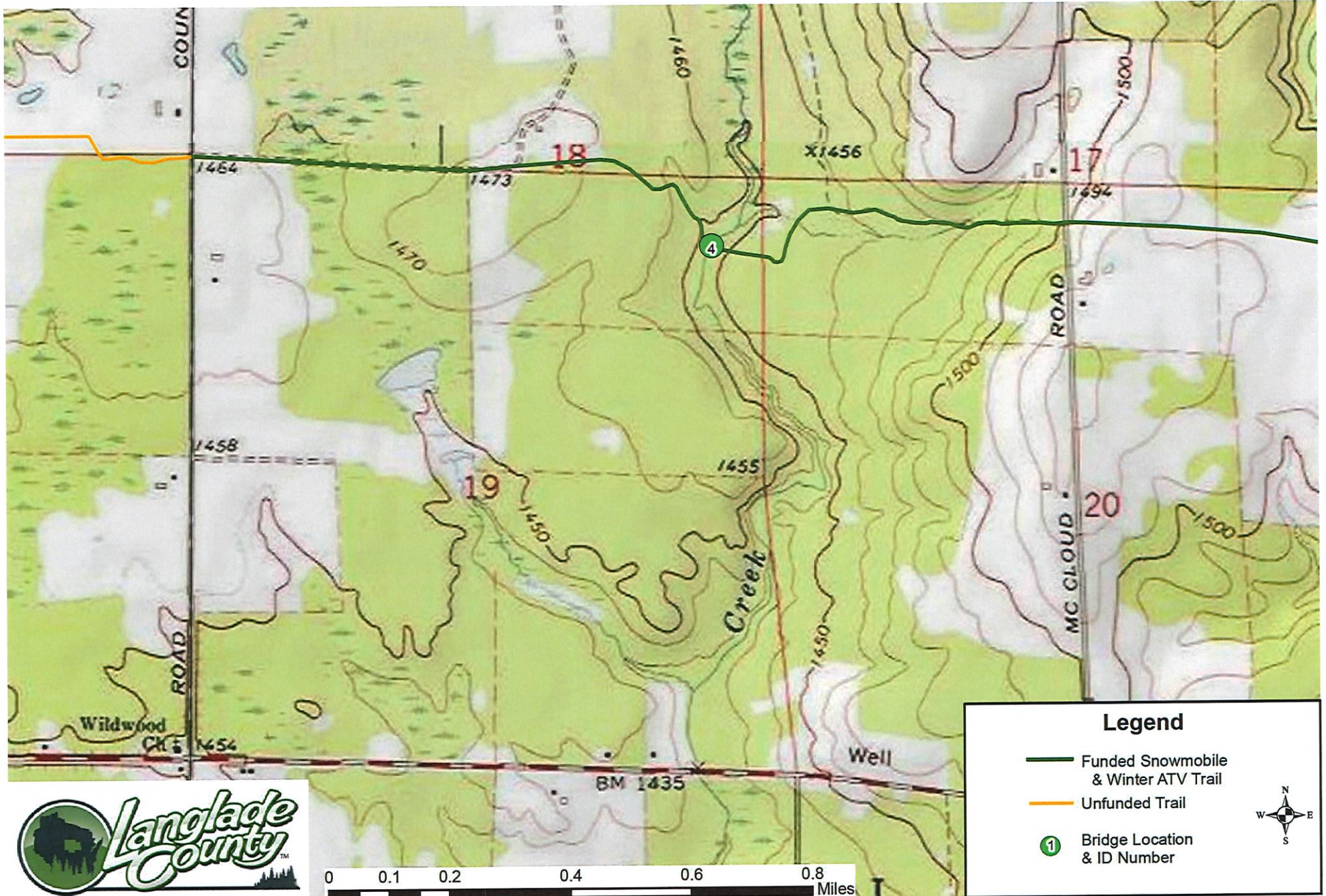
1: 15,840

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

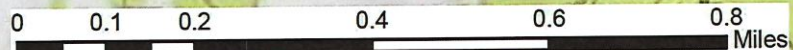

Bridge 4 Replacement Project

Langlade County, Wisconsin



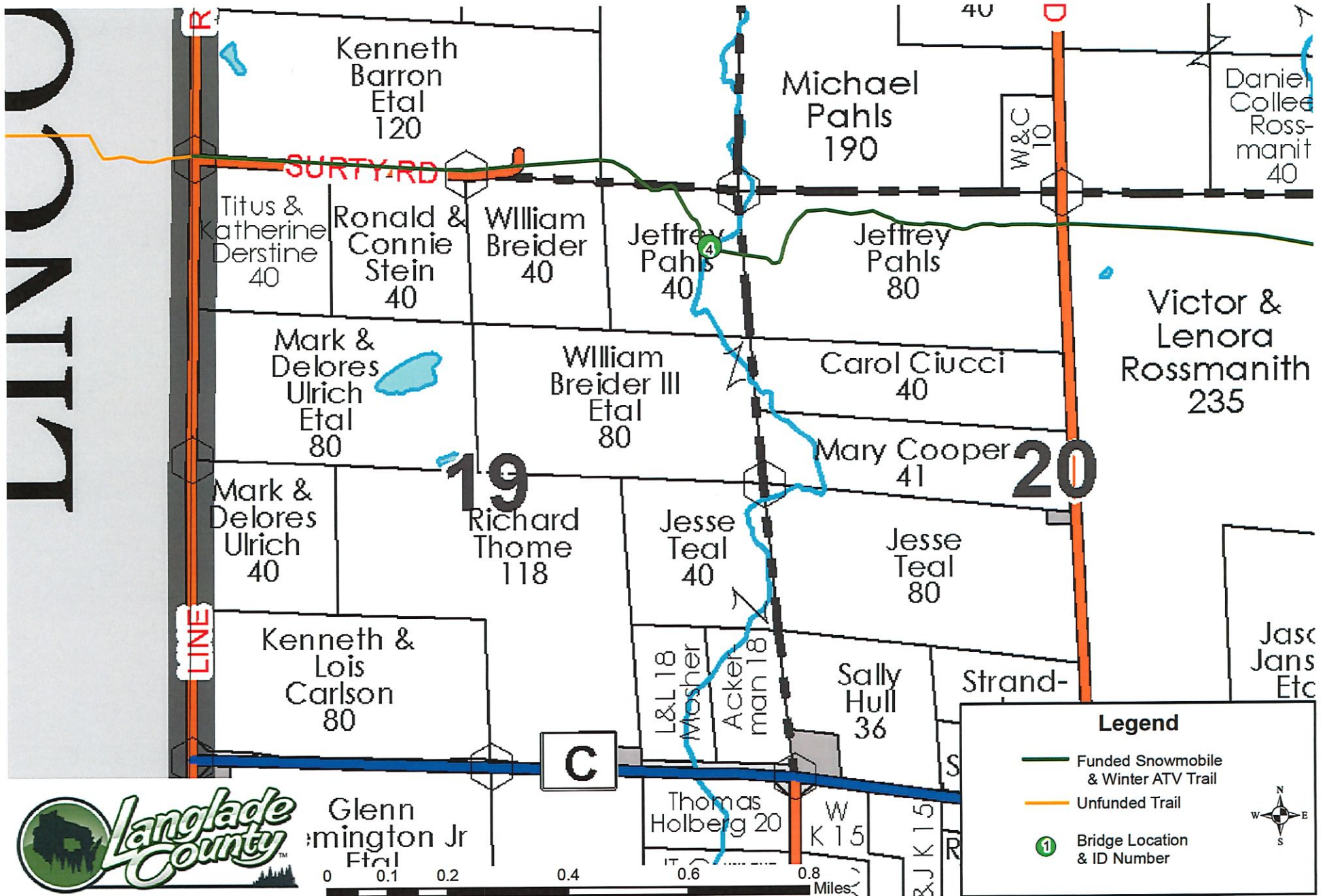
Legend

- Funded Snowmobile & Winter ATV Trail
- Unfunded Trail
- Bridge Location & ID Number



Bridge 4 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

#3-NC-1991-34-1070 #4

#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



dnr.wi.gov



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

Bridge 4







