

#14 Langlade Bridge 5 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 5 Replacement					Current Funded Miles	New Miles (if applicable)
County Langlade	Township 32 N	Range 10	Section 8	¼ ¼ SE	¼ SE	GPS Coordinates: Lat. 45.26343 Long. -89.265249

Project Description Summary

Langlade County proposes to replace an existing snowmobile bridge in the Antigo Sno-Drifters area. This bridge crosses W. Br. Eau Claire River 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
				\$106,911.00		\$106,911.00
Leave Blank – DNR Use Only						
				\$106,608.00		\$106,608.00

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

3/27/23
 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 10	<input checked="" type="radio"/> E <input type="radio"/> W	Section 8	¼ ¼ SE	¼ SE	GPS Coordinates: Lat. 45.26343 Long. -89.265249
Water Body Name W. Branch Eau Claire River				Bridge Name Langlade County # 5		County Inventory Number 5	
Funded Trail Name or Number (SNARS if applicable) County Line				Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input type="radio"/> No Year: _____ \$ _____			
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property				Old Bridge/Culvert Size 35'x12' New Bridge/Culvert Size 35'x12'			
Landowner Where Bridge is Located Anthony Stadtmueller				Telephone Number		Length of Trail Use Agreement (5 year minimum) 9	
Current maximum load 10,000 lbs.		Age of Bridge About 30		Bridge Material Steel Bridge with Wood Deck			
Proposed maximum load 25,000 lbs.							
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? <input type="radio"/> Yes <input checked="" type="radio"/> No				What is the maximum load of the other bridges on the system if groomed with this bridge? 12,000 + midspan			
What is the weight of your puller & drag/grading equipment? 25,000							
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'x36' 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. A Chapter 30 permit will be required for replacement of this structure. 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.

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:		36x12	35x12
Bridge Manufacturer:	Wheeler Inc.		Contech Inc.
Design Weight Load		25,000 lbs.	25,000 lbs.
Cost of Structure:	1. Engineering	\$ _____	\$ _____
	2. Structure	\$ 65,480	\$ 40,000
	Subtotal	\$ 65,480	\$ 40,000

		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	\$ 22,460	\$ _____	
5. Approaches	\$ _____	\$ _____	
6. Riprap	\$ _____	\$ _____	
7. Labor	\$ 32,621	\$ 44,500	
8. Equipment Rental	\$ _____	\$ _____	
9. Culverts	\$ _____	\$ _____	
10. H & H Study	\$ _____	\$ _____	
11. Wetland Delineation	\$ _____	\$ _____	
12. Other <u>Disposal existing Bridge</u>	\$ 25,460	\$ 1,250	
	Subtotal	\$ 80,541	\$ 64,750
	Total Cost	\$ 146,021	\$ 104,750

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	\$ _____		

For use with Recreation Grant Application Forms

Project Name: Bridge # 5 Replacment		Prepared By: Cody Brauner	Date: 03/23/2023
County: Langlade	Project Applicant: Langlade County	Landowner Name: Anthony Stadtmueller	<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
XX	W.D.N.R. Permit	1	each	\$303.00	303.00
TOTAL \$					\$2,161.00 \$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.

Bridge # 5

Sno-Drifters Trails

Town of Peck, Langlade County

T32N R10E Section 8



Bridge Deck Looking West



Bridge Deck Looking East



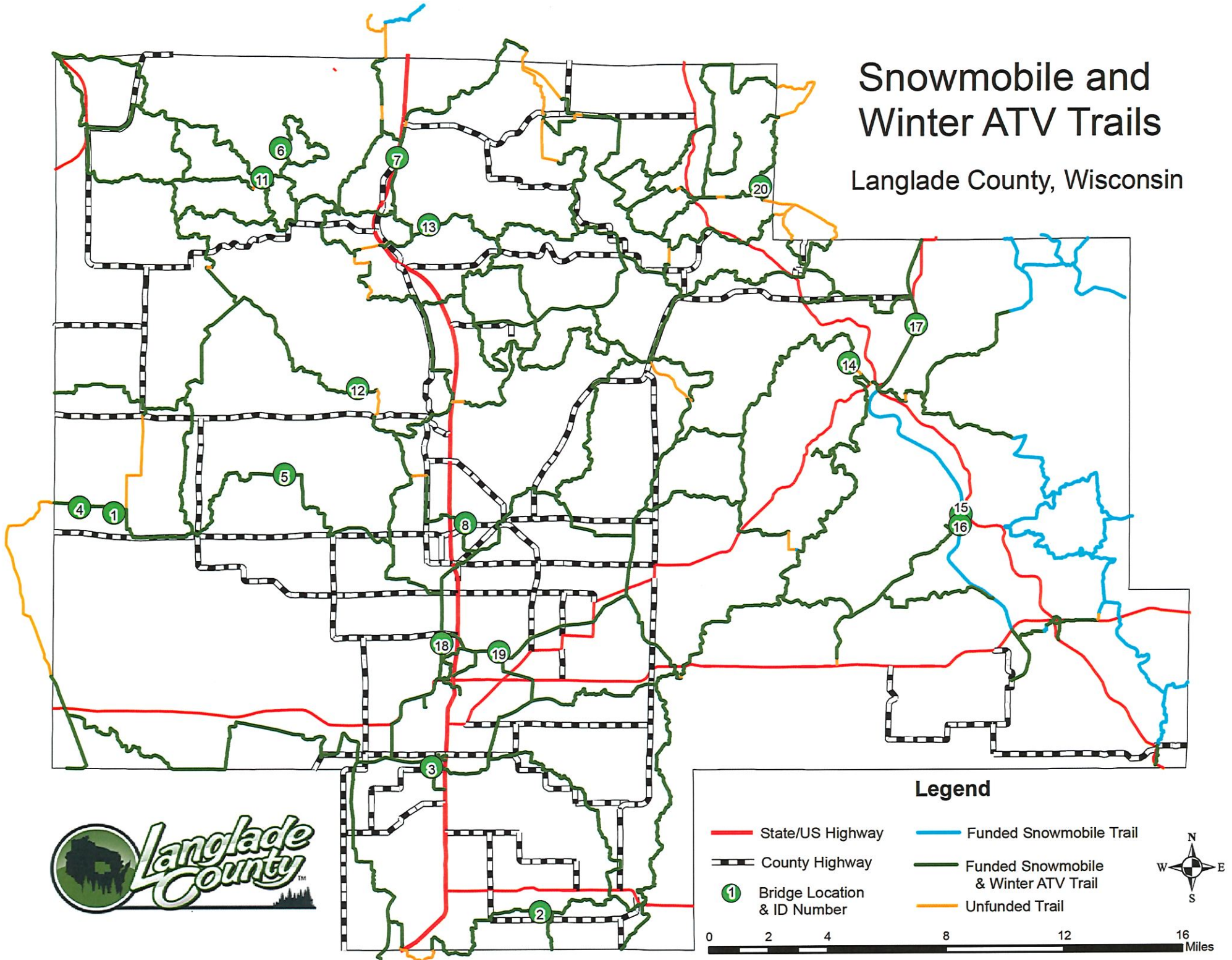
Bridge Substructure and Abutment Looking West



Bridge Substructure and Abutment Looking East

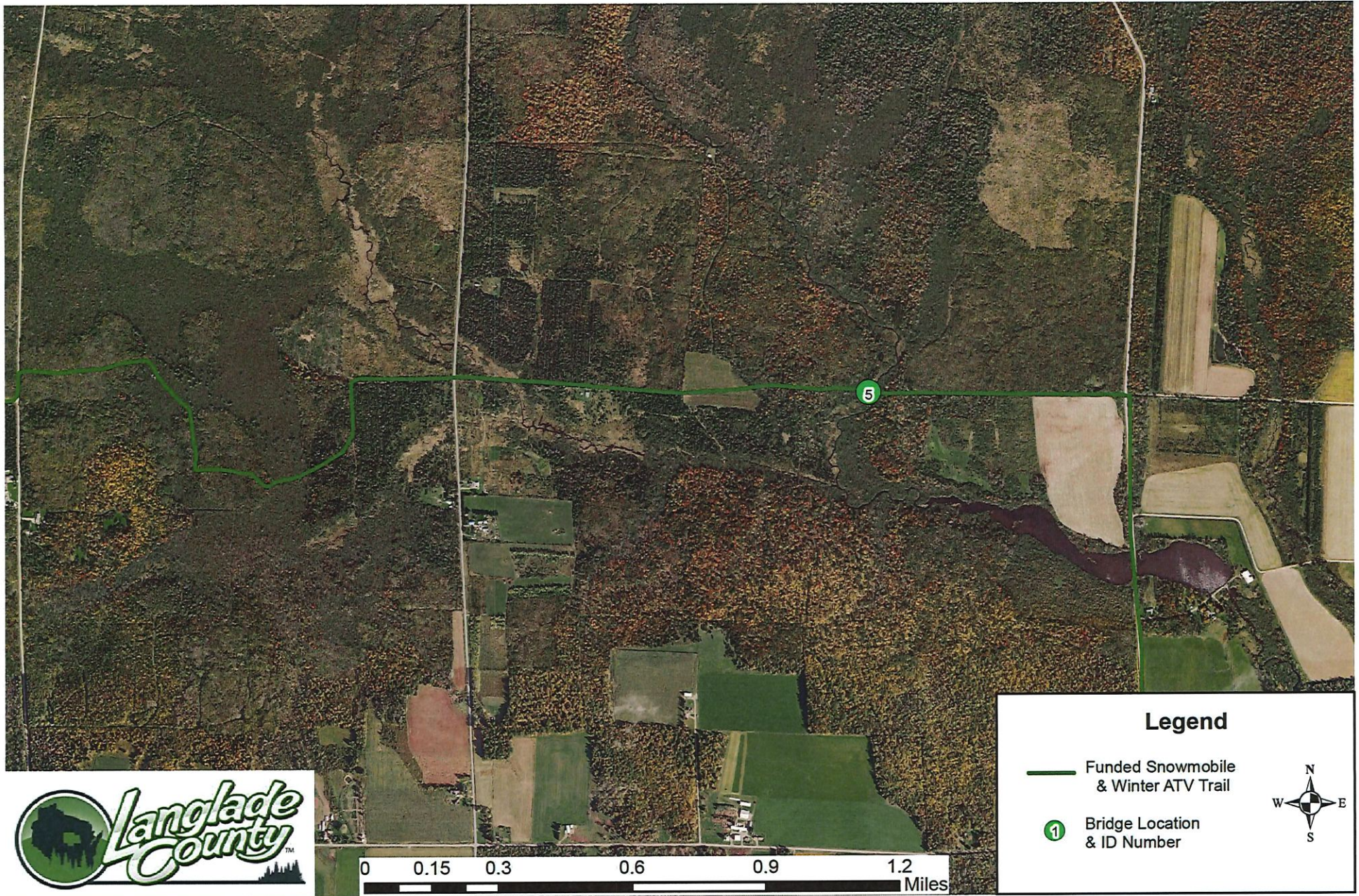
Snowmobile and Winter ATV Trails

Langlade County, Wisconsin



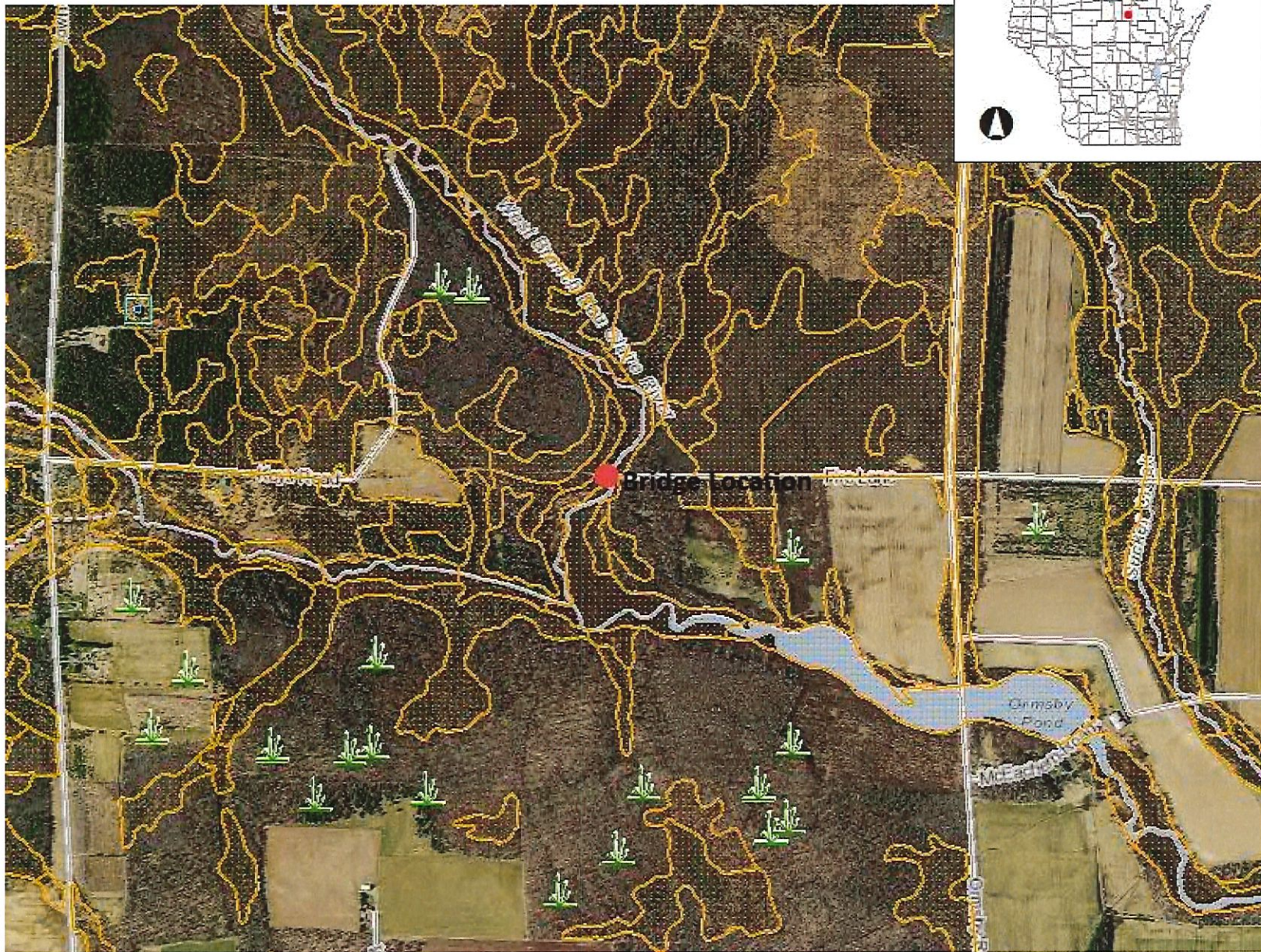
Bridge 5 Replacement Project

Langlade County, Wisconsin





Langlade County Bridge 5 Replacement Wetlands



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
- Wetland Class Areas
- Filled Areas
- 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
- 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

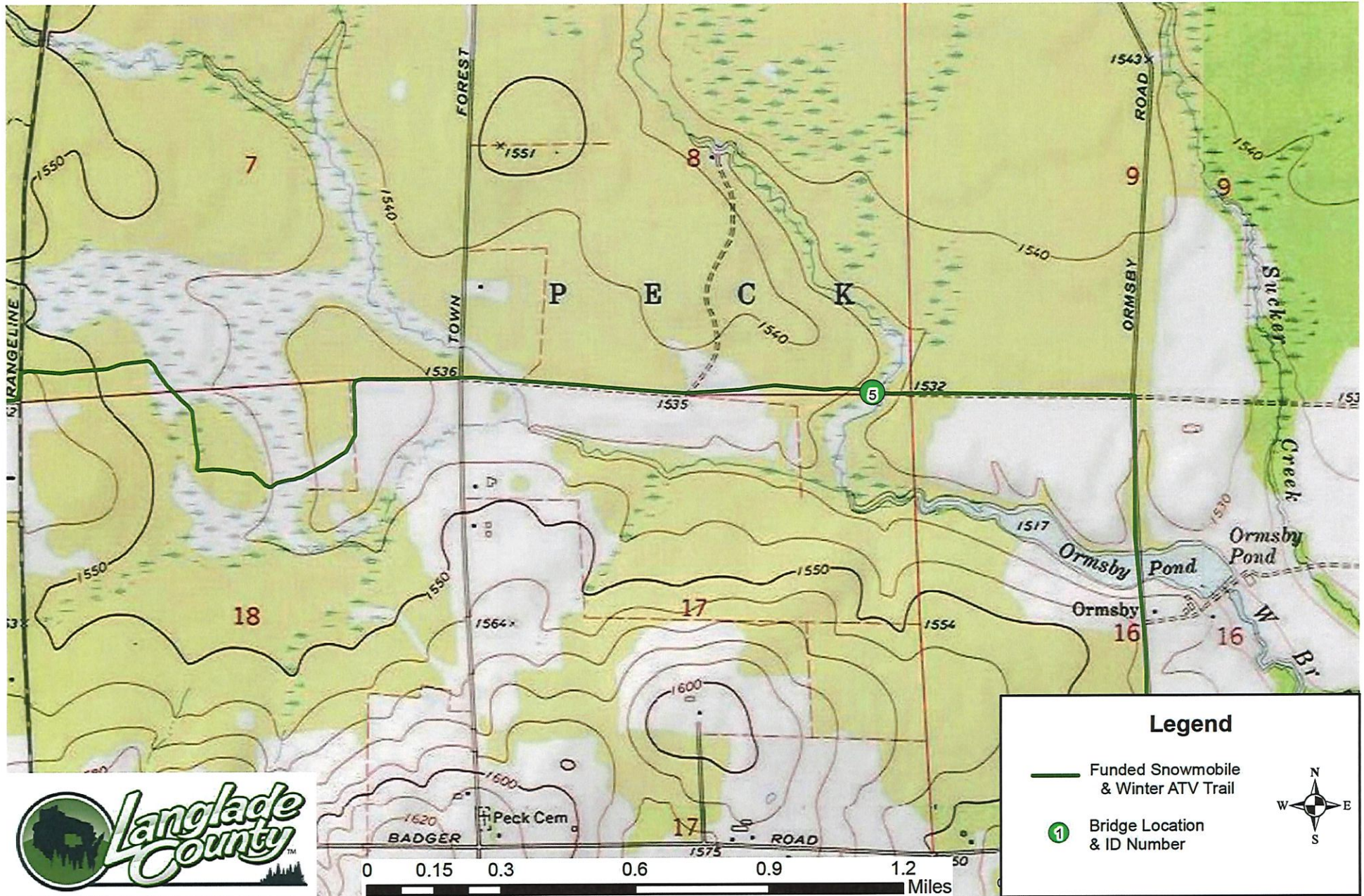
1: 15,840

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Notes

Bridge 5 Replacement Project

Langlade County, Wisconsin



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