

## #39 Langlade Bridge 5 Replacement Bridge

State of Wisconsin  
 Department of Natural Resources  
[dnr.wi.gov](http://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 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 33 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. The ATV program Awarded funding in 2023. 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
				\$77,038.00		\$77,038.00
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

4/8/23  
 \_\_\_\_\_  
 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 checked="" type="radio"/> Yes <input type="radio"/> No Year: _____ \$ <u>12,600.00</u>			
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property				Old Bridge/Culvert Size <u>35'x12'</u> New Bridge/Culvert Size <u>45'x12'</u>			
Landowner Where Bridge is Located Anthony Stadtmueller				Telephone Number		Length of Trail Use Agreement (5 year minimum) 9	
Current maximum load <u>10,000</u> lbs.		Age of Bridge 33		Bridge Material Steel Bridge with Wood Deck			
Proposed maximum load <u>25,000</u> 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 33 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. A Chapter 30 permit will be required for replacement of this structure. As the bridge manufactures have recommended a longer structure than what is currently here. 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.

**From:** [Cody Brauner](#)  
**To:** [Pennucci, Jeff F - DNR](#)  
**Cc:** [amurray](#)  
**Subject:** RE: Follow-up from Preliminary Council Meetings  
**Date:** Tuesday, July 30, 2024 4:31:02 PM  
**Attachments:** [image008.png](#)  
[image009.png](#)  
[image010.png](#)  
[image011.png](#)  
[image004.png](#)

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**CAUTION: This email originated from outside the organization.  
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Hi Jeff,

Please see below.

Snow Council:

1. Instead of full replacement of Bridge #4, would redecking and repair of abutment be sufficient? What is the condition of the rest of the structure?
2. Instead of full replacement of Bridge #5, would redecking and repair of abutment be sufficient? What is the condition of the rest of the structure?

This option was not evaluated because of three factors: the poor condition of the decking, the heaving of the pilings / poor condition of the soil dams on the abutments and the manufacturer rating on these bridges being only 5 ton. The County has concerns with 30+ year old bridges with that low of a load rating. The County could evaluate that option with an engineer and determine whether or not this is a viable option. This may be too short of a timeframe to review and be able to have a revised budget by the August meeting.

ORV Council:

1. For the new Perch Lake Campground Trail Segment, how do riders get between the new trail segments along Hwy U? Please provide an additional map (if needed) to explain how to use the new trail.

The segments of the proposed trail are connected by existing open county road route (CTH U). This road routes also make connections to the rest of the County's trails via CTH K to the north and CTH T to the south.

Cody Brauner

Assistant Forest Administrator  
Langlade Co. Forestry Dept.  
[cbrauner@co.langlade.wi.us](mailto:cbrauner@co.langlade.wi.us)  
(715) 627-6300



**Appendix A (continued)**

**Summarize Costs in Appropriate Categories:**

<b>Bridge Structure</b>			
		<b>Quote 1</b>	<b>Quote 2</b>
		<input checked="" type="radio"/> Steel <input type="radio"/> Wooden	<input checked="" type="radio"/> Steel <input type="radio"/> Wooden
Bridge Dimensions:		45x12	45x12
Bridge Manufacturer:		Anderson Bridges LLC	Custom Manufacturing, Inc.
Design Weight Load		25,000 lbs.	25,000 lbs.
Cost of Structure:	1. Engineering	\$ 4,000	\$ 3,000
	2. Structure	\$ 42,000	\$ 59,500
	<b>Subtotal</b>	<b>\$ 46,000</b>	<b>\$ 62,500</b>

		<b>Quote 1</b>	<b>Quote 2</b>
		<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
<b>Installation Costs:</b>			
1. Engineering	\$	_____	\$ _____
2. Site Preparation	\$	5,000	\$ _____
3. Abutments	\$	12,000	\$ _____
4. Pilings/Piers	\$	_____	\$ _____
5. Approaches	\$	_____	\$ _____
6. Riprap	\$	2,000	\$ _____
7. Labor	\$	5,000	\$ 11,000
8. Equipment Rental	\$	_____	\$ 2,500
9. Culverts	\$	_____	\$ _____
10. H & H Study	\$	_____	\$ _____
11. Wetland Delineation	\$	_____	\$ _____
12. Other <u>Disposal existing Bridge</u>	\$	5,000	\$ 10,000
	<b>Subtotal</b>	<b>\$ 29,000</b>	<b>\$ 23,500</b>
	<b>Total Cost</b>	<b>\$ 75,000</b>	<b>\$ 86,000</b>

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

<b>Entire Deck and Railing Projects</b>		<input type="radio"/> Contractor	<input type="radio"/> Sponsor	<input type="radio"/> Club
Bridge Dimensions:	_____			
Design Weight Load	_____ lbs.			
1. Materials	\$	_____		
2. Labor	\$	_____		
	<b>Total</b>	<b>\$ _____</b>		





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	<b>Condition of the Structure</b> (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	0
2	<b>Permits</b> (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	0
3	<b>Funding</b> (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)?	2	2
	11% - 49% from other funding source(s)?	1	0
4	<b>Length of Written Easements or Land Use Agreement</b> (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	0
	10 or more year <b>deeded easement</b> on private land or other public land, for <u>all portions of</u> that trail to the nearest road on each side of the bridge	5	0
	3-9 year <b>deeded easement</b> on private land or other public land, for <u>all portions of that</u> trail to the nearest road on each side of the bridge	4	0
	10 or more year <b>deeded easement</b> on private land or other public land, for <u>just the bridge</u> site	3	0
	3-9 <b>deeded easement</b> on private land or other public land, for <u>just the bridge</u> site	2	0
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	0
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	0
5	<b>Miles Impacted</b> – 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	0
	20 miles or more	3	3
	No other snowmobile trails connect. Explain:	4	0
<b>DEDUCTIONS</b>			
6	<b>County Active Project Deduction</b> (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	-1
<b>GRAND TOTAL</b>			<del>0</del> <b>5</b>

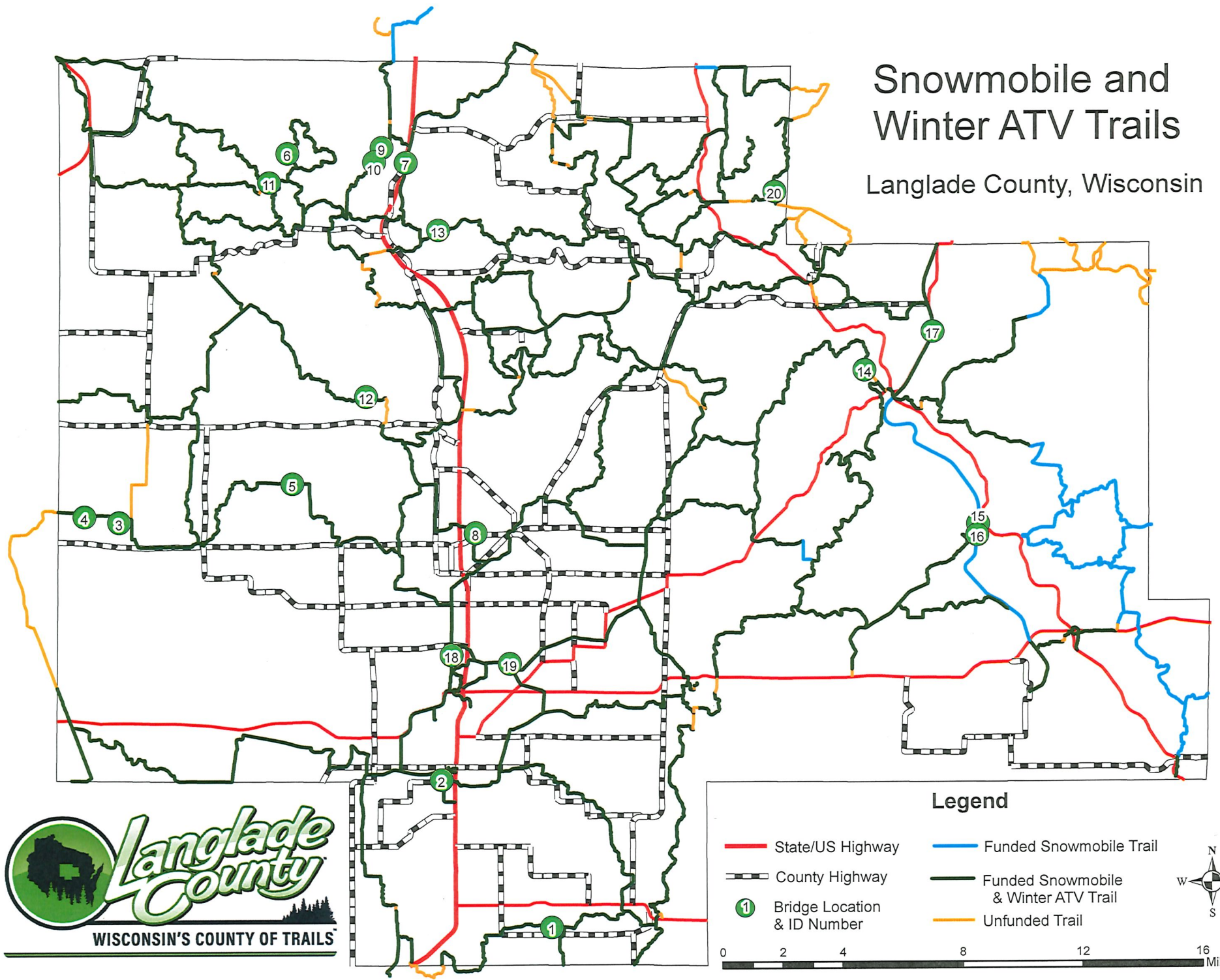
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Comments/Notes:



# Snowmobile and Winter ATV Trails

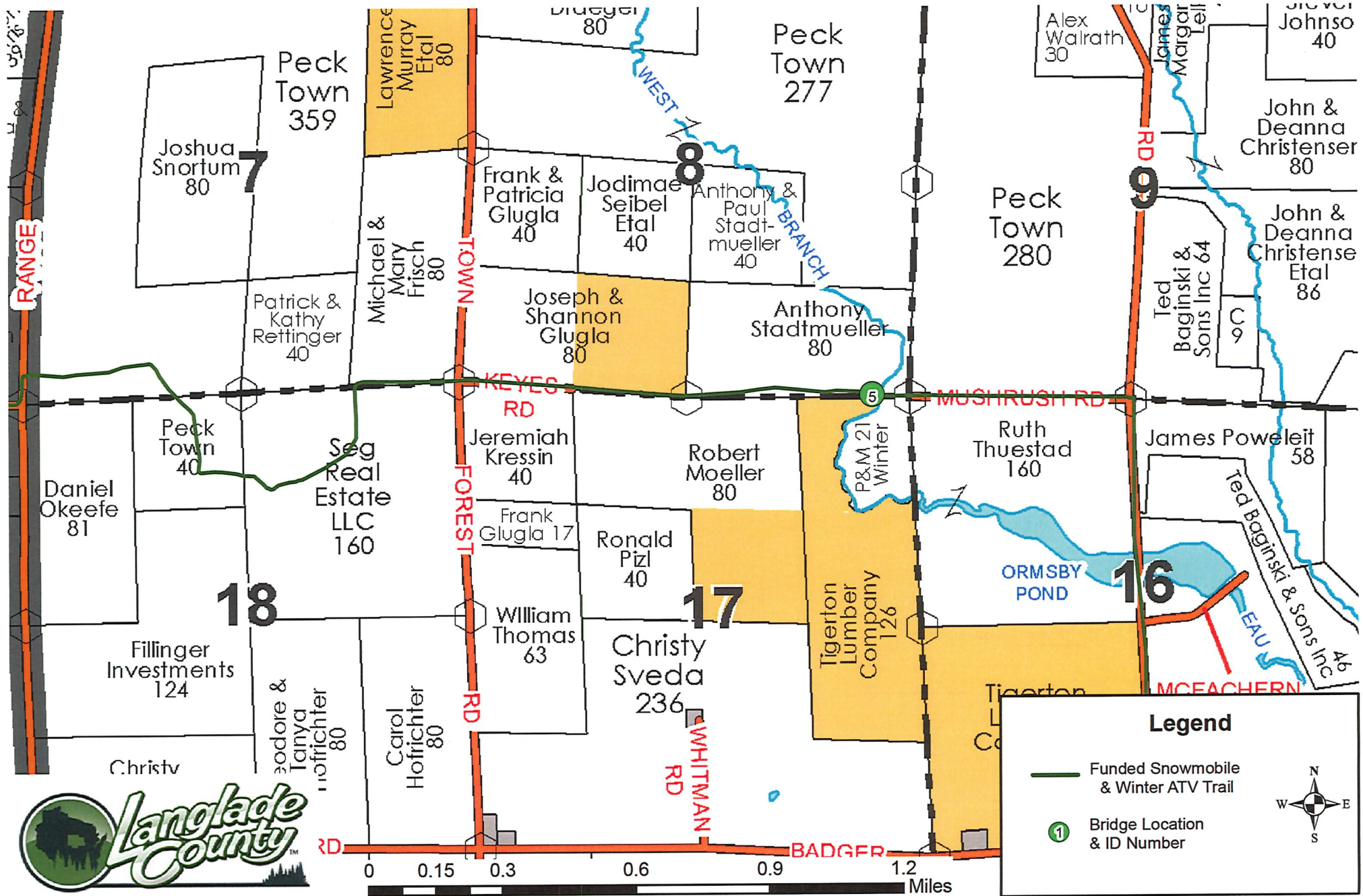
Langlade County, Wisconsin





# Bridge 5 Replacement Project

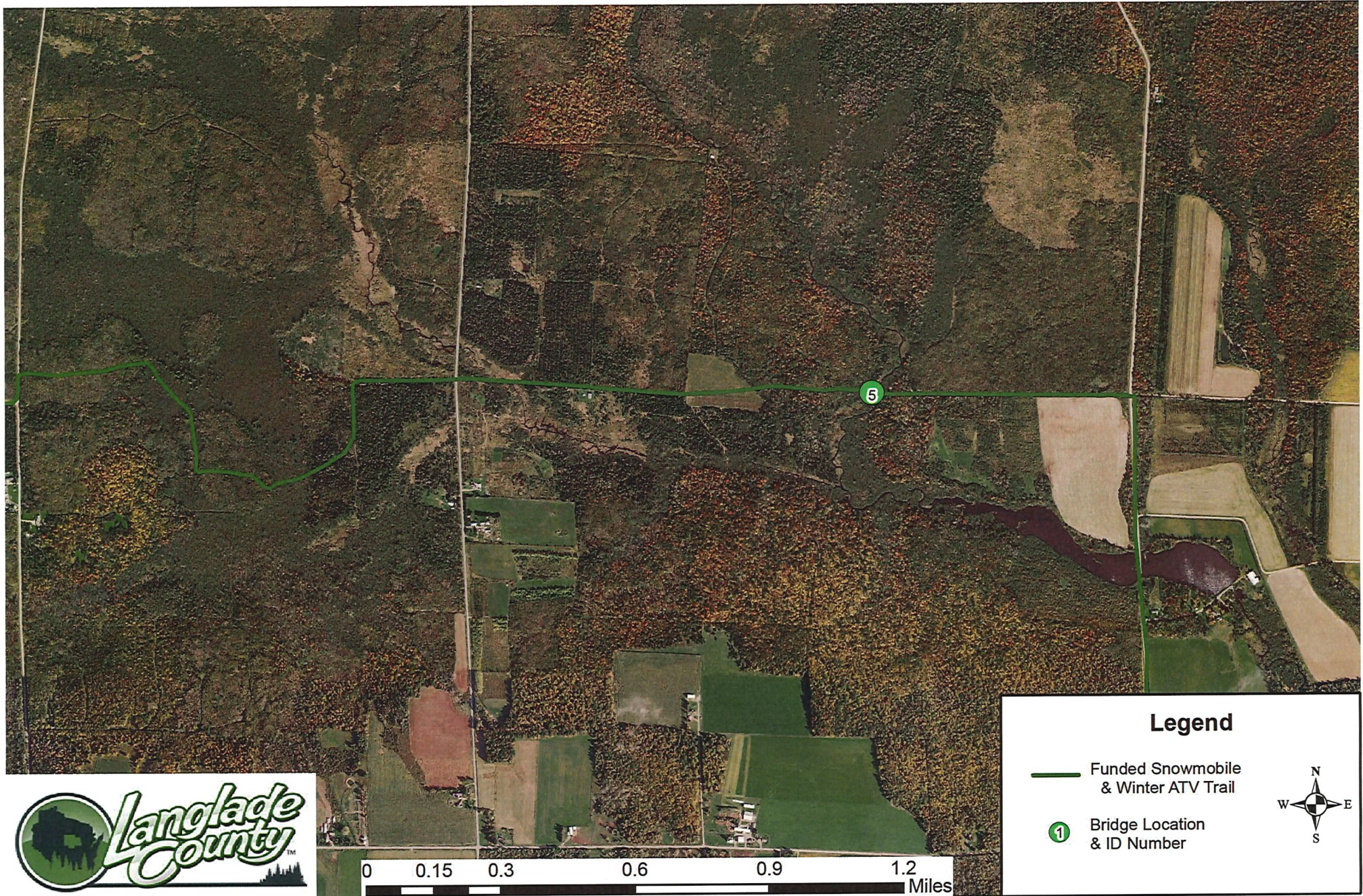
Langlade County, Wisconsin





# Bridge 5 Replacement Project

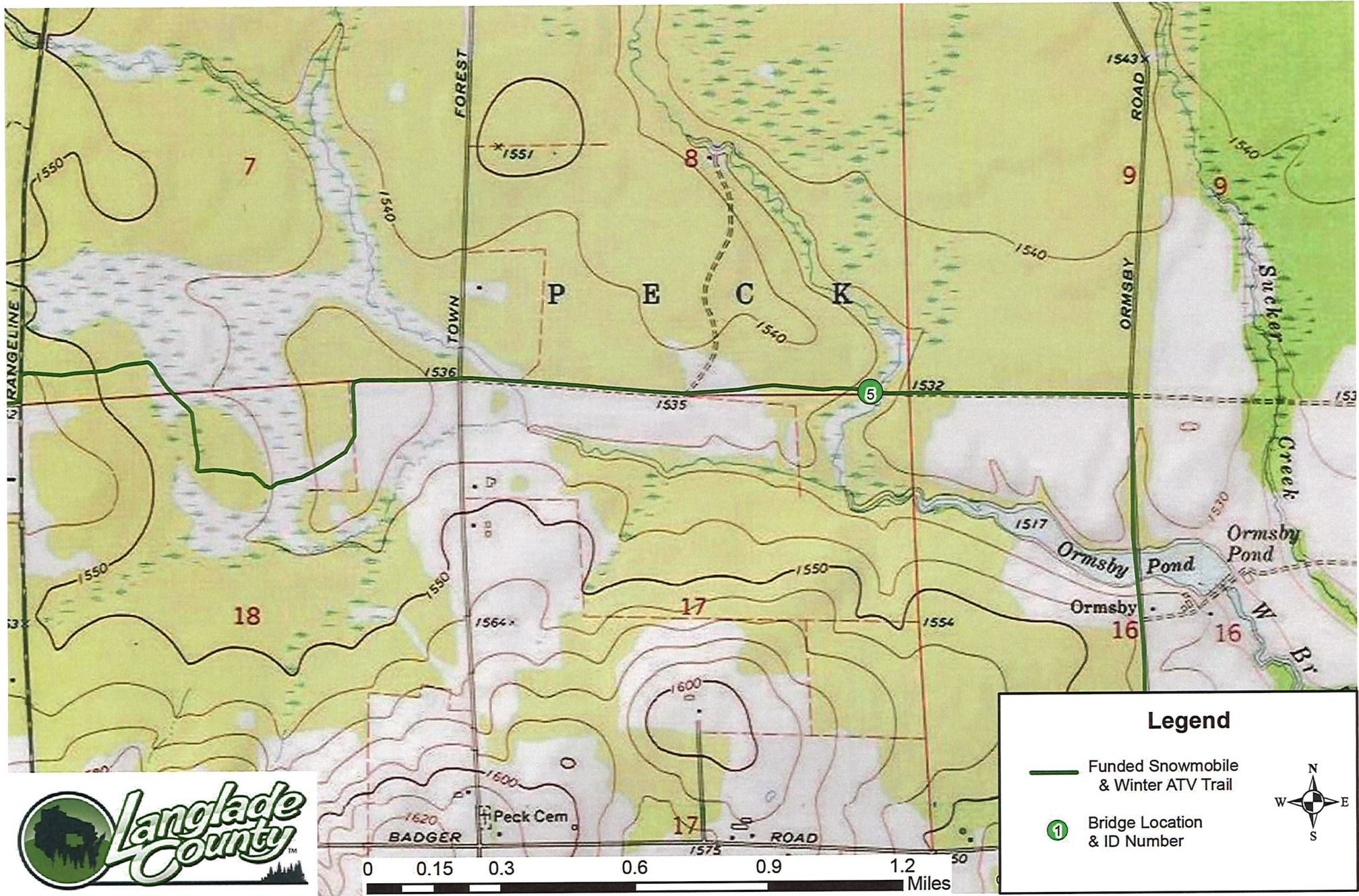
Langlade County, Wisconsin



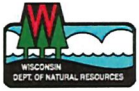


# Bridge 5 Replacement Project

Langlade County, Wisconsin







# Langlade County Bridge 5 Replacement Wetlands



## Legend

- Wetland Class Areas
- Wetland Class Points
- Dammed pond
- Excavated pond
- Filled/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 # 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





Bridge Decking





## Cody Brauner

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**From:** Seidl, Jared W - DNR <Jared.Seidl@wisconsin.gov>  
**Sent:** Monday, August 1, 2022 11:18 AM  
**To:** Cody Brauner  
**Subject:** [EXTERNAL] RE: Snowmobile Bridge Replacements

Hi Cody --- below is response from Dave, DNR Fisheries Biologist, for these proposed bridge replacements. I don't believe any in-stream work will occur, but if so please see the timeframes needed to avoid which would be listed as a permit condition on the approved permits for these.

Hi Jared.

If possible, all work should be done in the summer (June 15 – September 15) on trout streams. If this is not possible, then winter work would be permissible as long as there is no in-stream work or it is kept at an absolute minimum. In-stream work would include driving through the streams and should not be allowed in the winter.

Thanks and let me know if you have any further questions.

Dave

**We are committed to service excellence.**

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

**Dave Seibel**

Fisheries Biologist – Fisheries Management Bureau/Fish, Wildlife, and Parks Division  
Wisconsin Department of Natural Resources  
223 East Steinfest Road  
Antigo, WI 54409-2777  
Phone: (715) 623-4190 Ext. 3112  
Fax: (715) 623-6773  
[david.seibel@wisconsin.gov](mailto:david.seibel@wisconsin.gov)

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**Jared Seidl**

Phone: (920) 420-5960  
[jared.seidl@wisconsin.gov](mailto:jared.seidl@wisconsin.gov)

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**From:** Seidl, Jared W - DNR  
**Sent:** Friday, July 29, 2022 7:20 AM  
**To:** Cody Brauner <CBrauner@co.langlade.wi.us>  
**Subject:** RE: Snowmobile Bridge Replacements

Hi Cody,

much, if any, “in-stream” work will be done within these waterways to replace these bridges. You should be able to meet all of the Clear Span Bridge General Permit conditions listed on attached application checklist and submit a permit application for each bridge site separately following below instructions.

**\*Be sure to contact and obtain any local approvals from the Langlade County zoning office as they may require floodplain authorization, H&H study, etc... for these proposed bridge projects.**

**You can find information at following web links:**

-WI DNR homepage at: <http://dnr.wi.gov/>

-Waterway & Wetland permits: <http://dnr.wi.gov/Permits/Water/>

-**Waterway Crossings information:** [http://dnr.wi.gov/topic/Waterways/water\\_levels\\_crossings/bridges.html](http://dnr.wi.gov/topic/Waterways/water_levels_crossings/bridges.html)

**To complete an online DNR permit application:**

1. Go to: <http://dnr.wi.gov/Permits/Water/>
2. Click on “**Register**” for a WAMS ID (creates an account for you to use for all future applications and tracking statuses of).
3. Once WAMS ID has been created, go back onto the Water Permit Application page and click on the blue “**Waterway and wetland**” tab in the middle, right of screen. This will generate a list all the waterway & wetland permits in alphabetical order starting with “**Boat ramp**” at the top.
4. After you have figured out which permit is needed, scroll down to “**Bridge – Clear span over streams**” and click on “**Begin GP application**” in the right hand column.
5. Fill out online application and upload required attachments (Legible Site map, Plans and Specifications, Project Narrative, Ownership Documents, Site Photos, Other Items, etc...) and submit along with application fee.

Please let me know if you need further information, have questions or need any assistance completing a permit application for this.

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](mailto:jared.seidl@wisconsin.gov)





**ANDERSON**  
BRIDGES

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

# PROPOSAL

January 22, 2024

To: Langlade County Snowmobile Trail Administrator

Re: Snowmobile Bridge Budget (Bridges 4, 5, 8, 19)

- 1 - **45' 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**
  - Loads: **85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load**
  - FOB: **Langlade County, WI**
  - Engineered Drawings State Seal: **Wisconsin**

Price-----\$75,000

• <b>Structure (Steel Truss)</b>	<b>\$42,000</b>
• <b>Engineering</b>	<b>\$4,000</b>
• <b>Soil Testing</b>	<b>\$0</b>
• <b>Site Prep</b>	<b>\$5,000</b>
• <b>Abutments</b>	<b>\$12,000</b>
• <b>Labor</b>	<b>\$5,000</b>
• <b>Rip Rap</b>	<b>\$2,000</b>
• <b>Existing Bridge Removal</b>	<b>\$5,000</b>

\*\*\*\*\*This price is for budgetary purposes only\*\*\*\*\*

Please call with any questions.

Thank you,

Kory S. Weathers





**Custom Manufacturing, Inc.**  
 606 Delco Drive, P.O. Box 279  
 Clinton, WI 53525  
 608-676-2282 Fax: 608-676-2283  
 tina@custommfginc.com

# Quotation

6422

Please Indicate The Above Number When Ordering

Date: February 27, 2024	Salesperson: Tina Forrest
Inquiry Date:	Inquiry Number

To: Langlade Co Forestry Department  
 1633 Neva Road  
 Antigo, WI 54409

Estimated Ship Date 8 - 12 weeks	Shipped VIA Best way	F.O.B Clinton, WI	Terms Net 30		
			<b>Description</b>	<b>Price</b>	<b>Total</b>
			2024 GRANT APPLICATION ESTIMATE Bridge 5		
1			45' Flat Bridge x 12' Wide - 25,000# Load Double Decked - 42" Horizontal Railing - Hardware On 2 sets of Galvanized Sill Pans	\$ 59,500.00	
			Stamped Engineered Drawings	3,000.00	
			Installation	11,000.00	
			Equipment Rental	2,500.00	
			Removal & Disposal of Existing Bridge	8,500.00	
			Delivery Charges	1,500.00	
			Total		\$ 86,000.00
			The above prices do not include sales tax or any necessary permits.		
			Bridge kit includes all Steel I-Beams and Crossmembers, which are predrilled and have a red oxide primer finish, MCA Southern Yellow Pine treated lumber and all hardware. All lumber is Pre-Stained.		
			Bridge Kit Meets - WI DNR Guidelines - 25,000# Load		

We are pleased to submit the above quotation for your consideration. Should you place an order, be assured it will receive our prompt attention. This quotation is valid for 30 days. Thereafter it is subject to change without notice.

BY: Tina Forrest ACCEPTED: \_\_\_\_\_ DATE: \_\_\_\_\_