

#25 Langlade Bridge 5 Replacement

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	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	Township	Range	Section	¼ ¼	¼	GPS Coordinates:
Langlade	32 N	10	8	SE	SE	Lat. 45.26343 Long. -89.265249
Water Body Name			Bridge Name		County Inventory Number	
W. Branch Eau Claire River			Langlade County # 5		5	
Funded Trail Name or Number (SNARS if applicable)			Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input type="radio"/> No Year: _____ \$ _____			
County Line						
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>35'x12'</u>			
Landowner Where Bridge is Located			Telephone Number		Length of Trail Use Agreement (5 year minimum)	
Anthony Stadtmueller					9	
Current maximum load <u>10,000</u> lbs.		Age of Bridge		Bridge Material		
Proposed maximum load <u>25,000</u> lbs.		About 30		Steel Bridge with Wood Deck		
Sponsoring Club Name			Club Contact		Telephone Number	
Antigo Sno-Drifters			Tim Grall		(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.

**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:**

<b>Bridge Structure</b>			
		<b>Quote 1</b>	<b>Quote 2</b>
		<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
	<b>Subtotal</b>	<b>\$ 65,480</b>	<b>\$ 40,000</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		\$ _____	\$ 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
	<b>Subtotal</b>	<b>\$ 80,541</b>	<b>\$ 64,750</b>
	<b>Total Cost</b>	<b>\$ 146,021</b>	<b>\$ 104,750</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>	\$ _____		

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



## Cody Brauner

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**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](http://www.conteches.com)  
[esturm@conteches.com](mailto: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](mailto: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](http://www.conteches.com)

[esturm@conteches.com](mailto:esturm@conteches.com)

**From:** Cody Brauner <[CBrauner@co.lanlgade.wi.us](mailto:CBrauner@co.lanlgade.wi.us)>

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

**To:** Eric Sturm <[Eric.Sturm@ContechES.com](mailto: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
<b>TOTAL ALL BRIDGES</b>	<b>\$304,745.00</b>	<b>\$205,750.00</b>	<b>\$4,750.00</b>	<b>\$515,245.00</b>
<b>KRUEGER &amp; STIENFEST, INC.</b>				
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 # 5

Sno-Drifters Trails

Town of Peck, Langlade County

T32N R10E Section 8



Bridge Deck Looking West



Bridge Deck Looking East



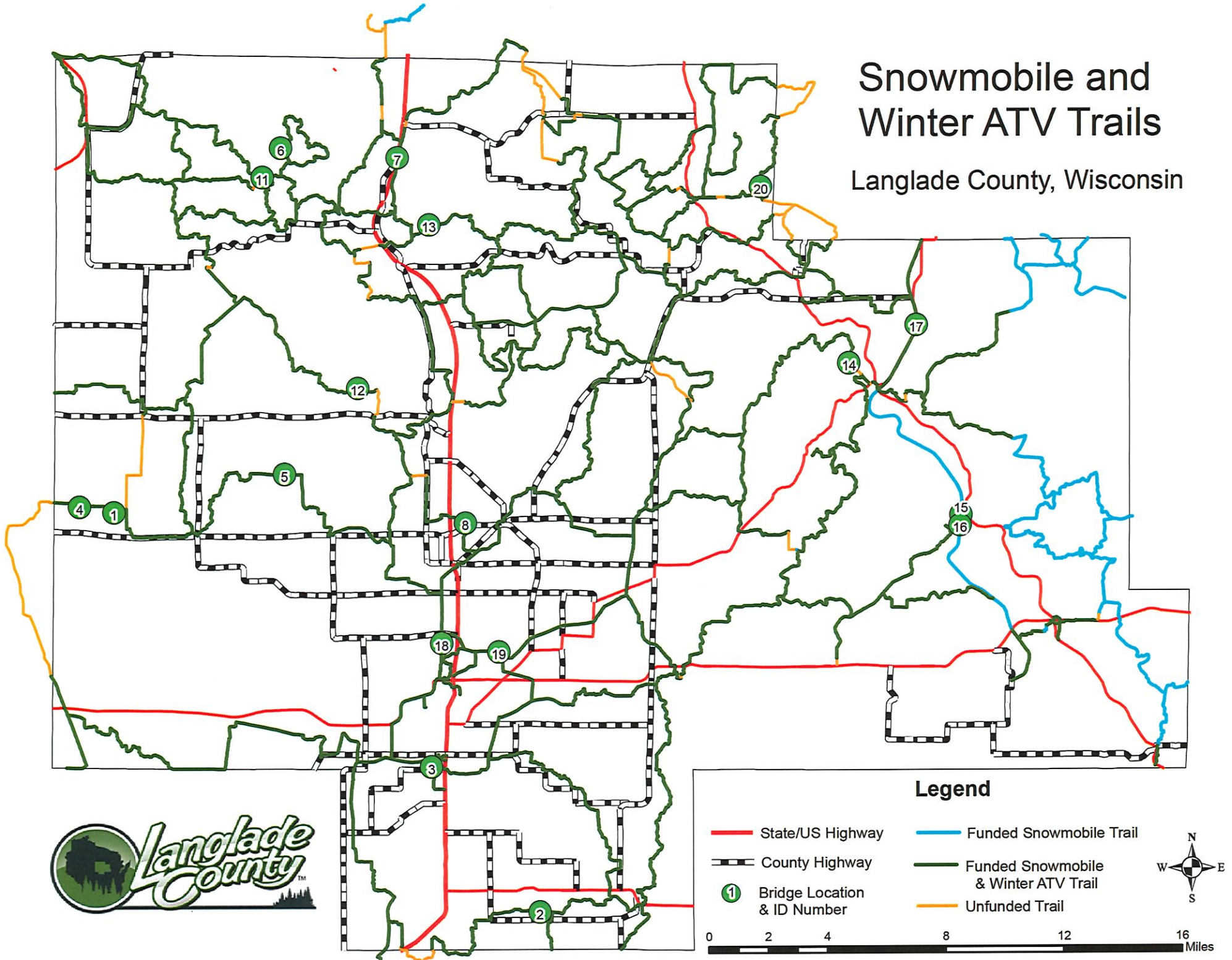
Bridge Substructure and Abutment Looking West



Bridge Substructure and Abutment Looking East

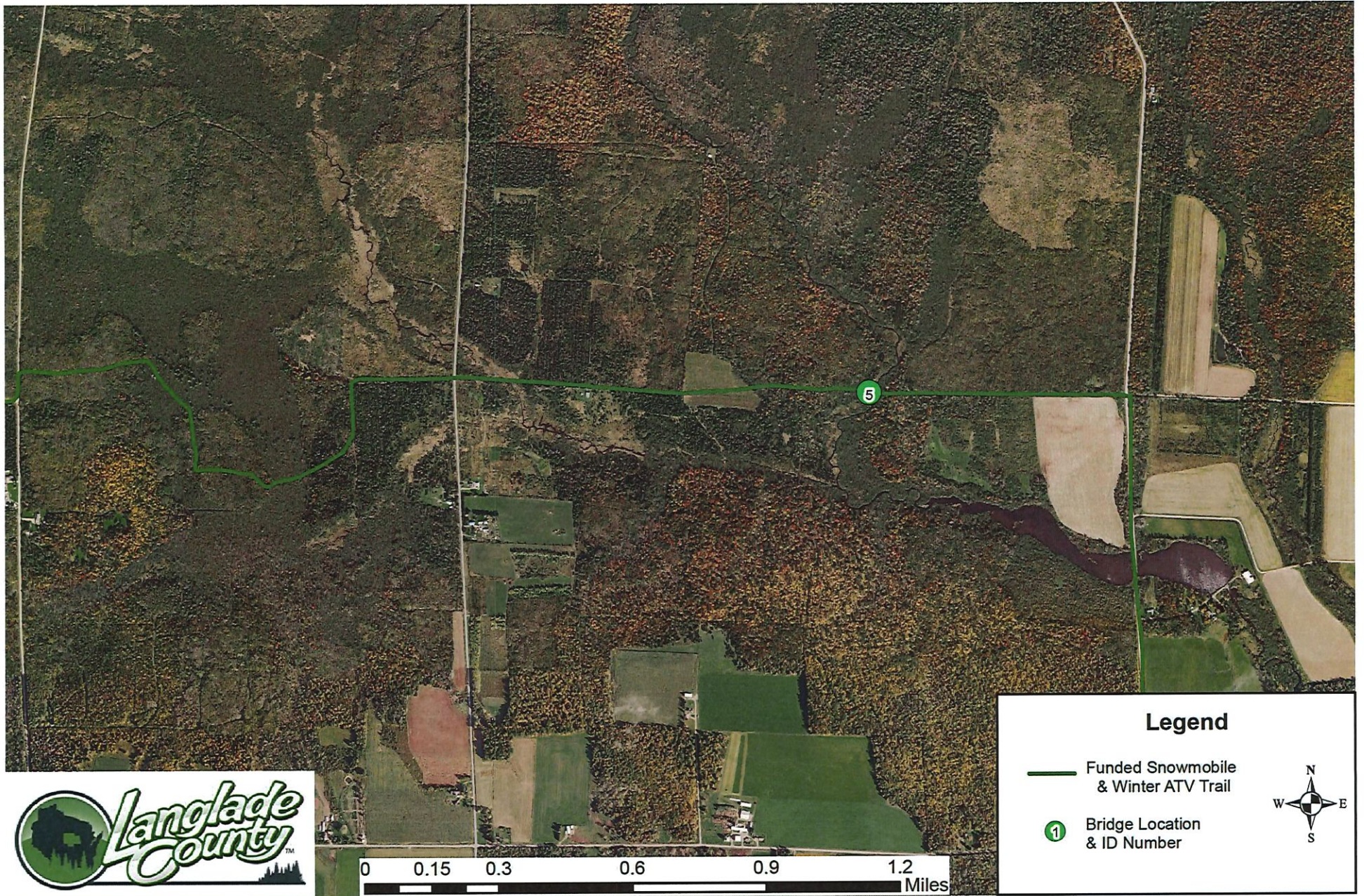
# Snowmobile and Winter ATV Trails

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/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

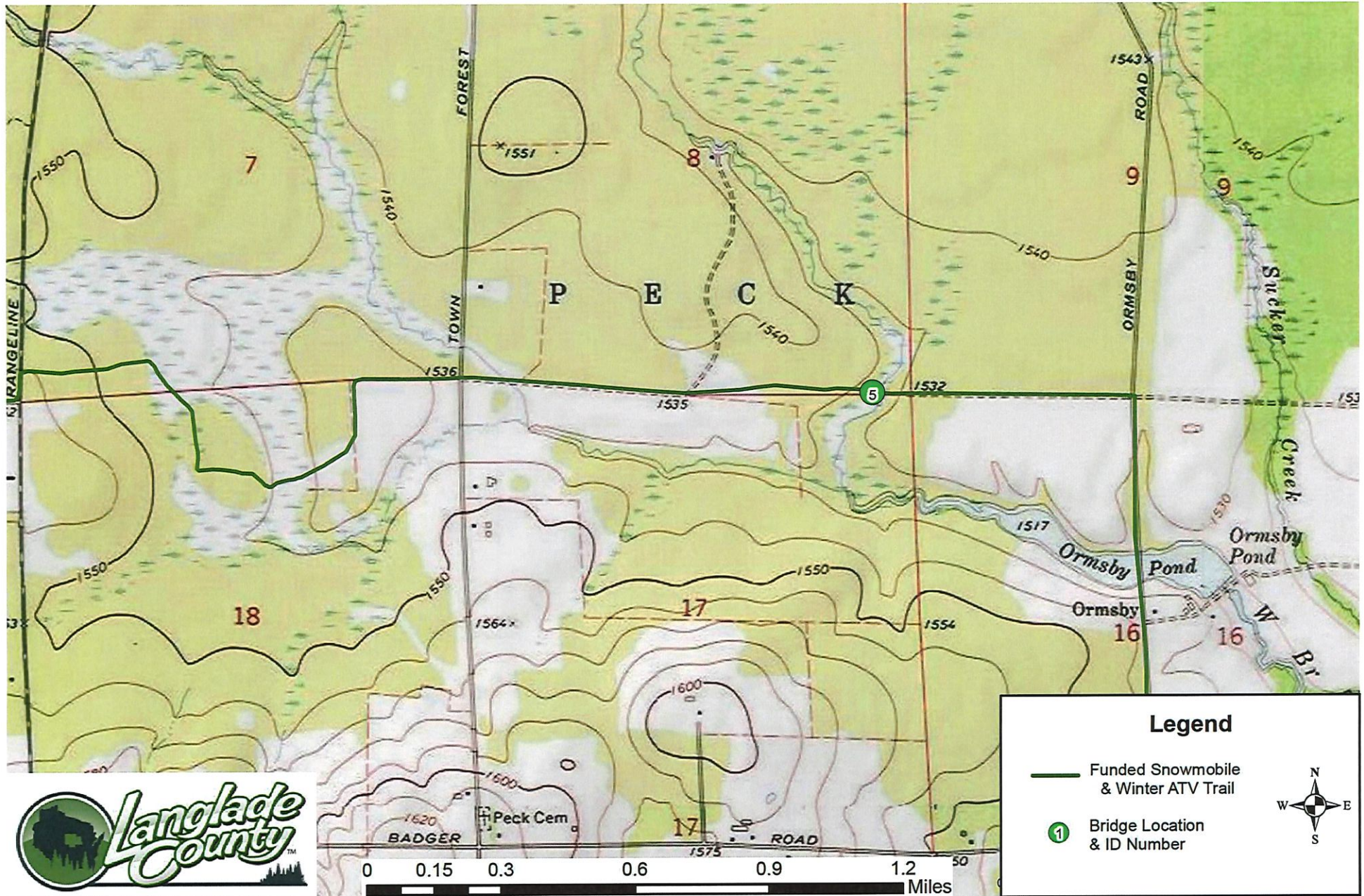
1: 15,840

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## Notes

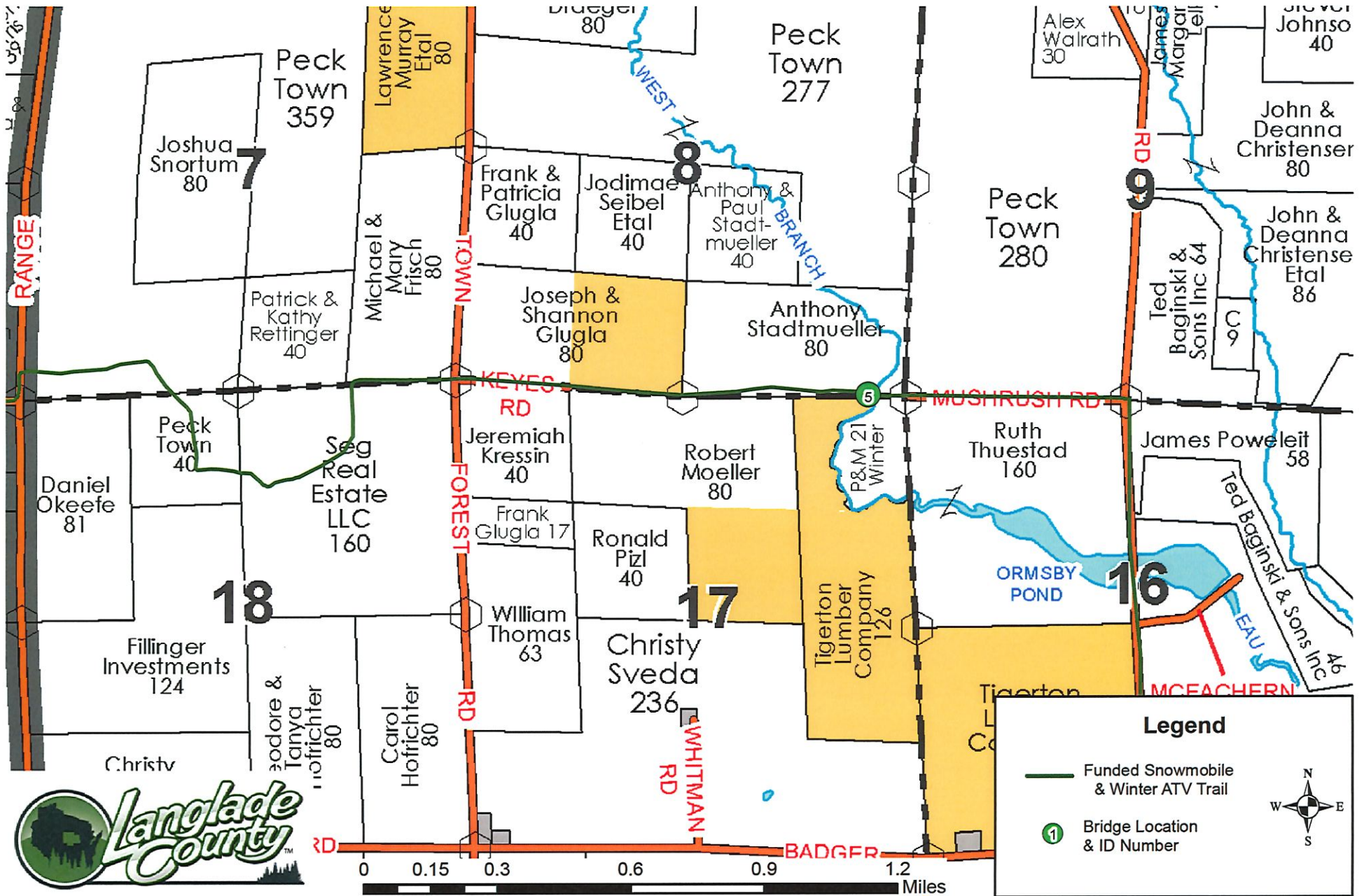
# Bridge 5 Replacement Project

Langlade County, Wisconsin



# Bridge 5 Replacement Project

Langlade County, Wisconsin



Bridge 5







