

#38 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 ⊙ E ○ W 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. ATV Funded this project 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
				\$76,948.00		\$76,948.00
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

4/8/24

 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	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼ ¼	¼	GPS Coordinates: Lat. 45.2474464 Long. -89.407581
Langlade	32 N	9		19	NE	NE	
Water Body Name				Bridge Name			County Inventory Number
McCloud Creek				Langlade County #4			4
Funded Trail Name or Number (SNARS if applicable)				Has this bridge site ever received development or rehabilitation funds in the past? <input checked="" type="radio"/> Yes <input type="radio"/> No Year: <u>1991</u> \$ <u>14,050.00</u>			
County Line							
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property				Old Bridge/Culvert Size <u>45'x12'</u> New Bridge/Culvert Size <u>45'x12'</u>			
Landowner Where Bridge is Located				Telephone Number		Length of Trail Use Agreement (5 year minimum)	
Jeffery Pahls						9	
Current maximum load		<u>10,000</u> lbs.	Age of Bridge		Bridge Material		
Proposed maximum load		<u>25,000</u> lbs.	33		Steel 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 lbs+ Midspan load			
What is the weight of your puller & drag/grading equipment? 25,000lbs							
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 bridge is approximately 32 years old and has deteriorating decking and the pilings have heaved. The weight rating of the existing bridge is too 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.

Note: The longer bridge proposed by Custom Manufacturing, Inc. was due to their bridge design would require additional length to accommodate the sill pans on this site. Langlade County will seek 20 year easement for bridge and trail if awarded.

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:		<u>45x12</u>	<u>54x12</u>
Bridge Manufacturer:		<u>Anderson Bridges LLC</u>	<u>Custom Manufacturing, Inc.</u>
Design Weight Load		<u>25,000 lbs.</u>	<u>25,000 lbs.</u>
Cost of Structure:	1. Engineering	\$ <u>4,000</u>	\$ <u>3,000</u>
	2. Structure	\$ <u>42,000</u>	\$ <u>73,300</u>
	Subtotal	\$ <u>46,000</u>	\$ <u>76,300</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	\$ _____	\$ _____
	2. Site Preparation	\$ <u>5,000</u>	\$ _____
	3. Abutments	\$ <u>12,000</u>	\$ _____
	4. Pilings/Piers	\$ _____	\$ _____
	5. Approaches	\$ _____	\$ _____
	6. Riprap	\$ <u>2,000</u>	\$ _____
	7. Labor	\$ <u>5,000</u>	\$ <u>12,800</u>
	8. Equipment Rental	\$ _____	\$ <u>2,500</u>
	9. Culverts	\$ _____	\$ _____
	10. H & H Study	\$ _____	\$ _____
	11. Wetland Delineation	\$ _____	\$ _____
	12. Other Disposal/Delivery	\$ <u>5,000</u>	\$ <u>10,500</u>
	Subtotal	\$ <u>29,000</u>	\$ <u>25,800</u>
	Total Cost	\$ <u>75,000</u>	\$ <u>102,100</u>

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	\$ _____		

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.

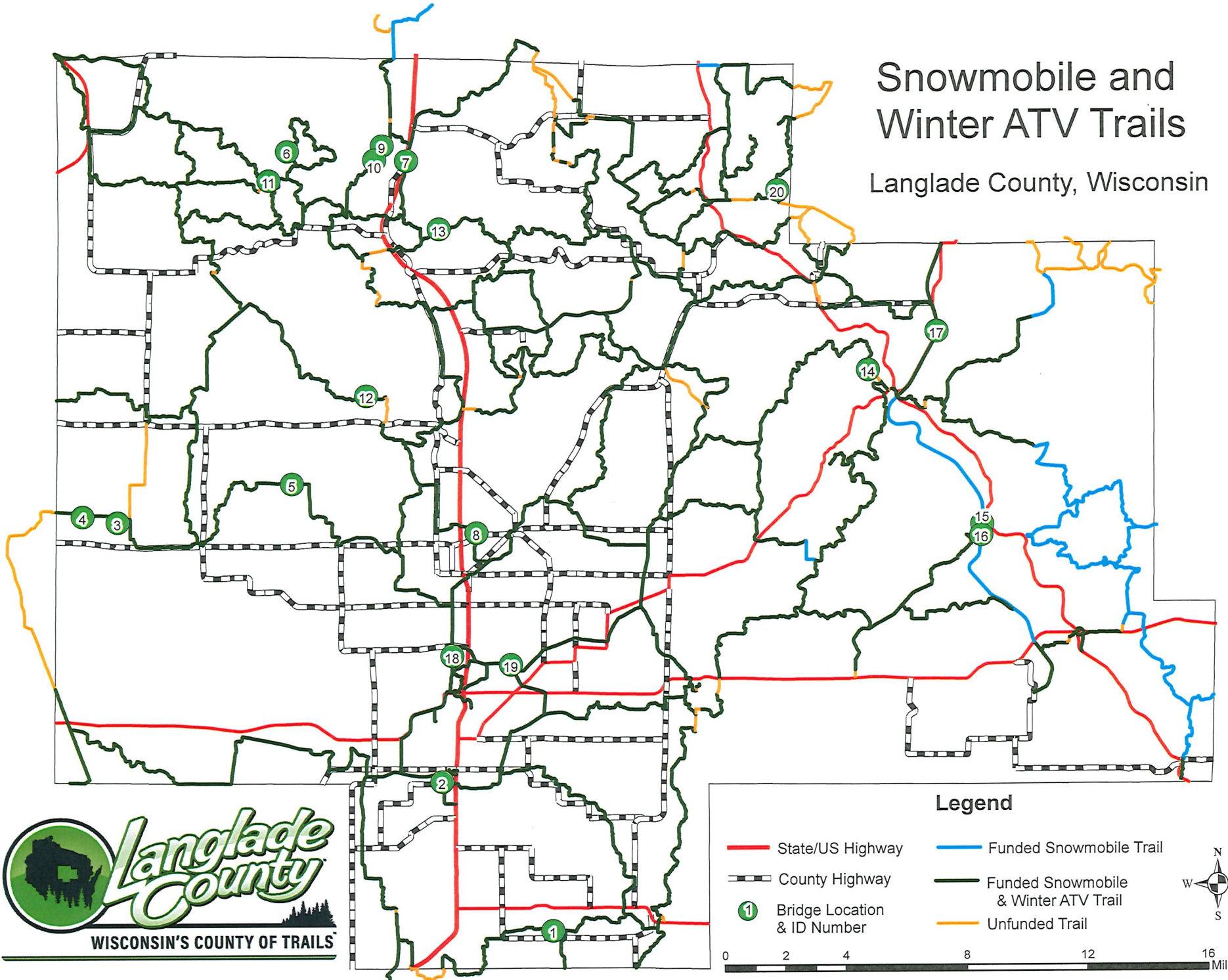
Category		Possible Points	Actual Points
1	Condition of the Structure (max of 10 points)		
	Has a certified bridge inspection report that supports the project & demonstrates need (see example, must provide copy of report by August 1 for 2024 only)	10	0
2	Permits (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	xxk
	Permit in hand / Bridge already permitted	3	3
3	Funding (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	—
4	Length of Written Easements or Land Use Agreement (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	0
	10 or more year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	5	0
	3-9 year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	4	0
	10 or more year deeded easement on private land or other public land, for <u>just the bridge site</u>	3	0
	3-9 deeded easement on private land or other public land, for <u>just the bridge site</u>	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	Miles Impacted – 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	1
	20 miles or more	3	0
	No other snowmobile trails connect. Explain:	4	0
DEDUCTIONS			
6	County Active Project Deduction (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
GRAND TOTAL			6 5

Comments/Notes:

Wolf River Bridge and Lily River Bridge Timeframe is Beyond The Control of Langlade County, Wolf River is Being Completed on Wis DOT's Time frame of completion by 2027. Lily River Bridge cannot move forward as WDNR cannot approve any modification of snowmobile trails on the upper Wolf Fishery's property until master plan is complete.

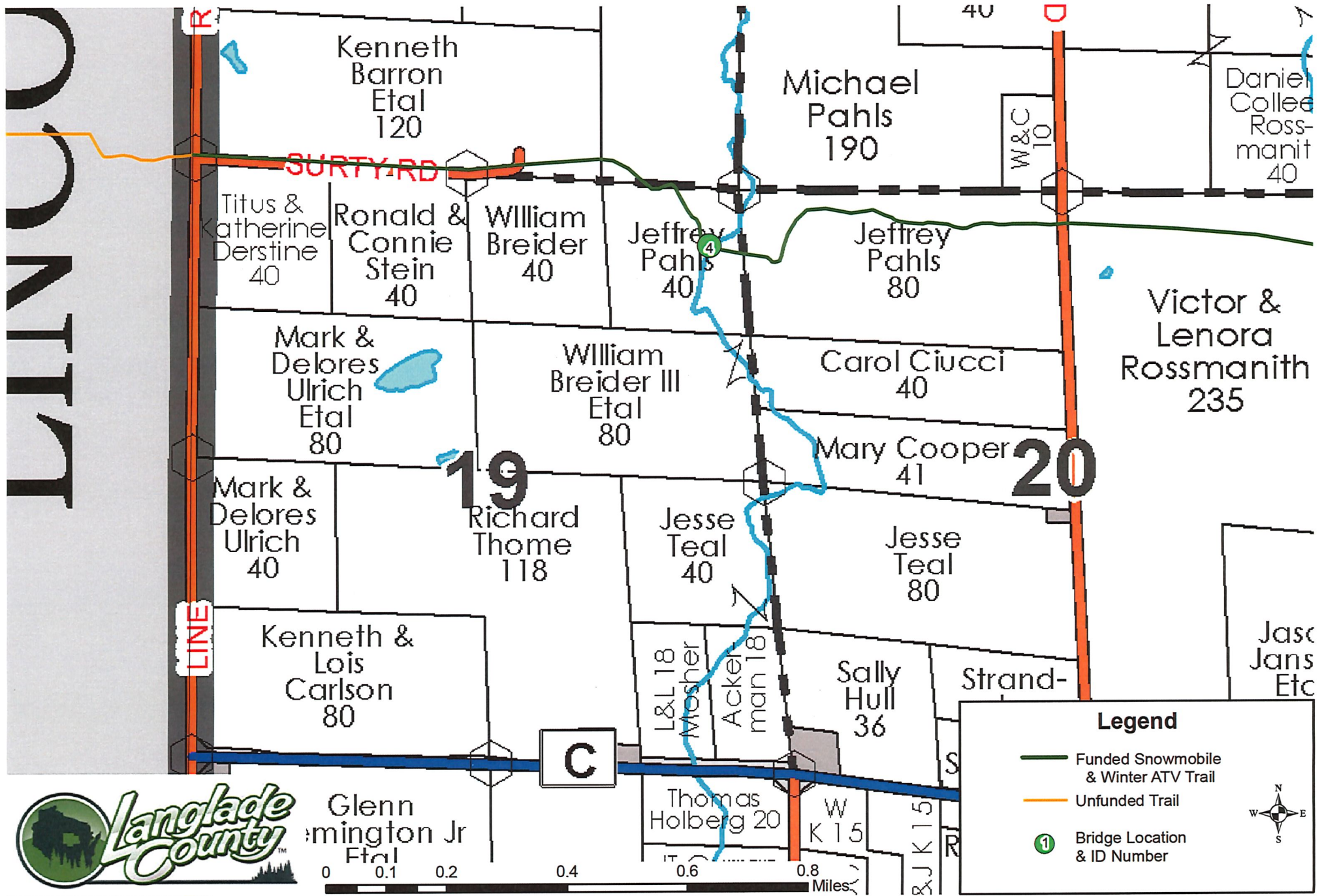
Snowmobile and Winter ATV Trails

Langlade County, Wisconsin



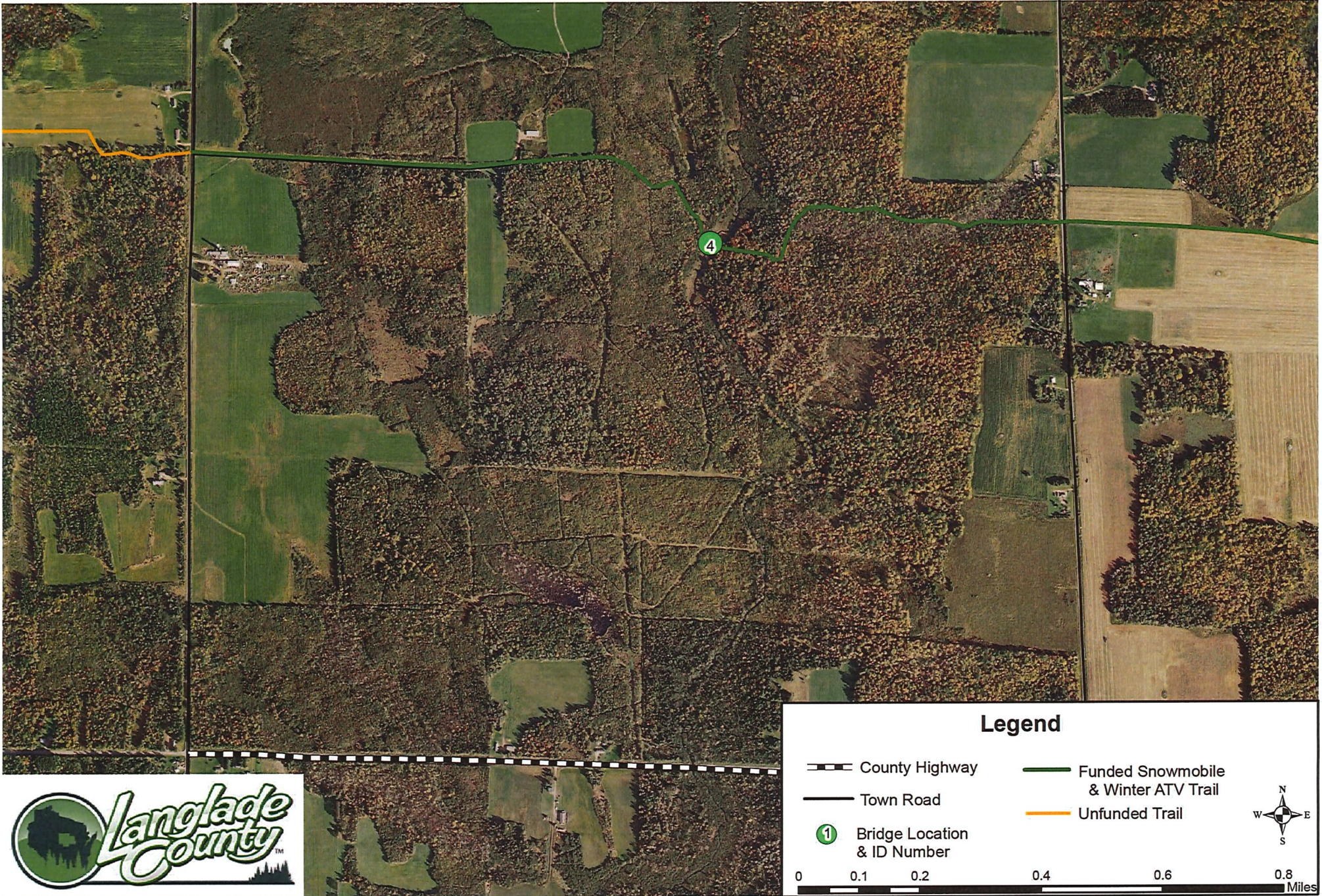
Bridge 4 Replacement Project

Langlade County, Wisconsin



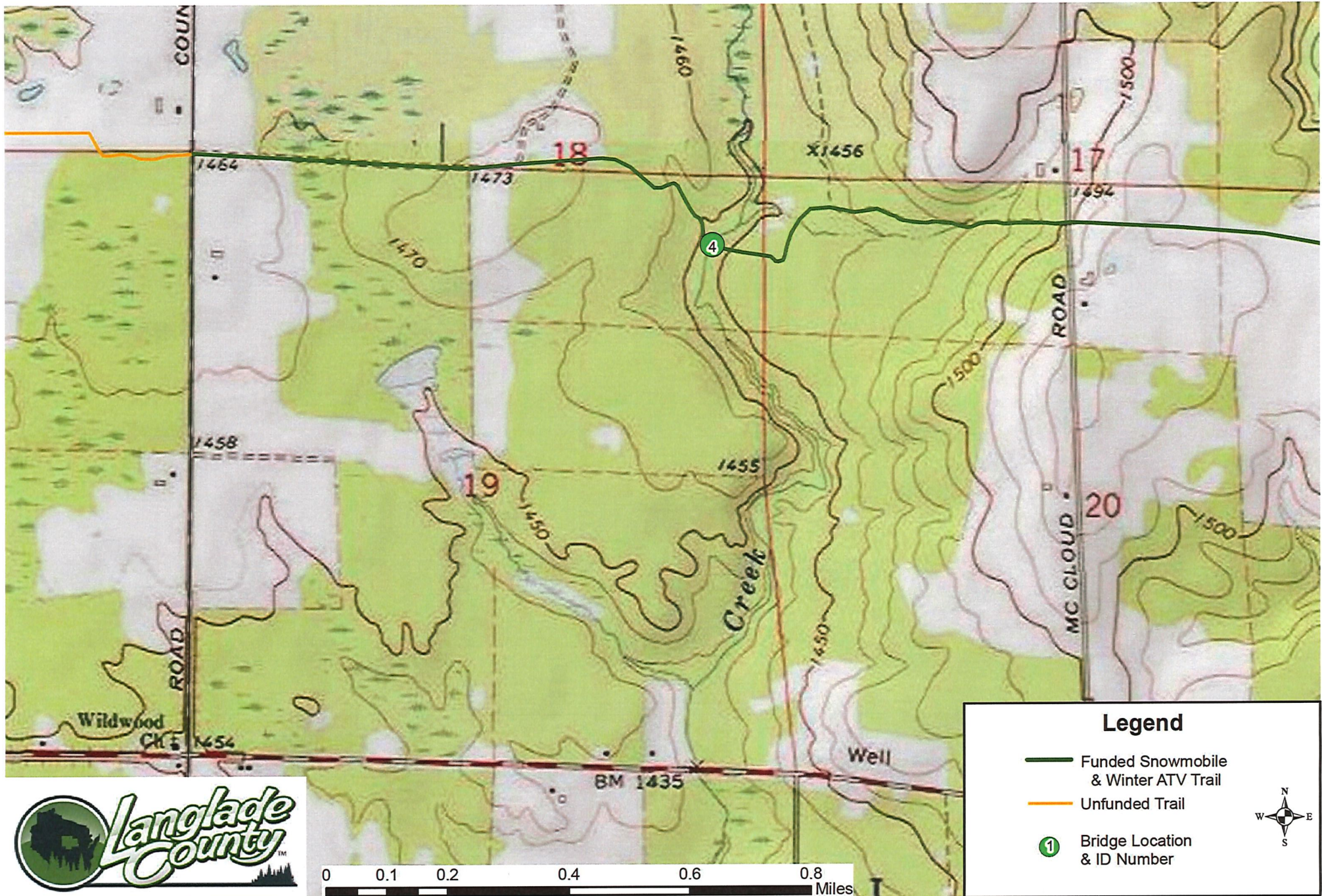
Bridge 4 Replacement Project

Langlade County, Wisconsin



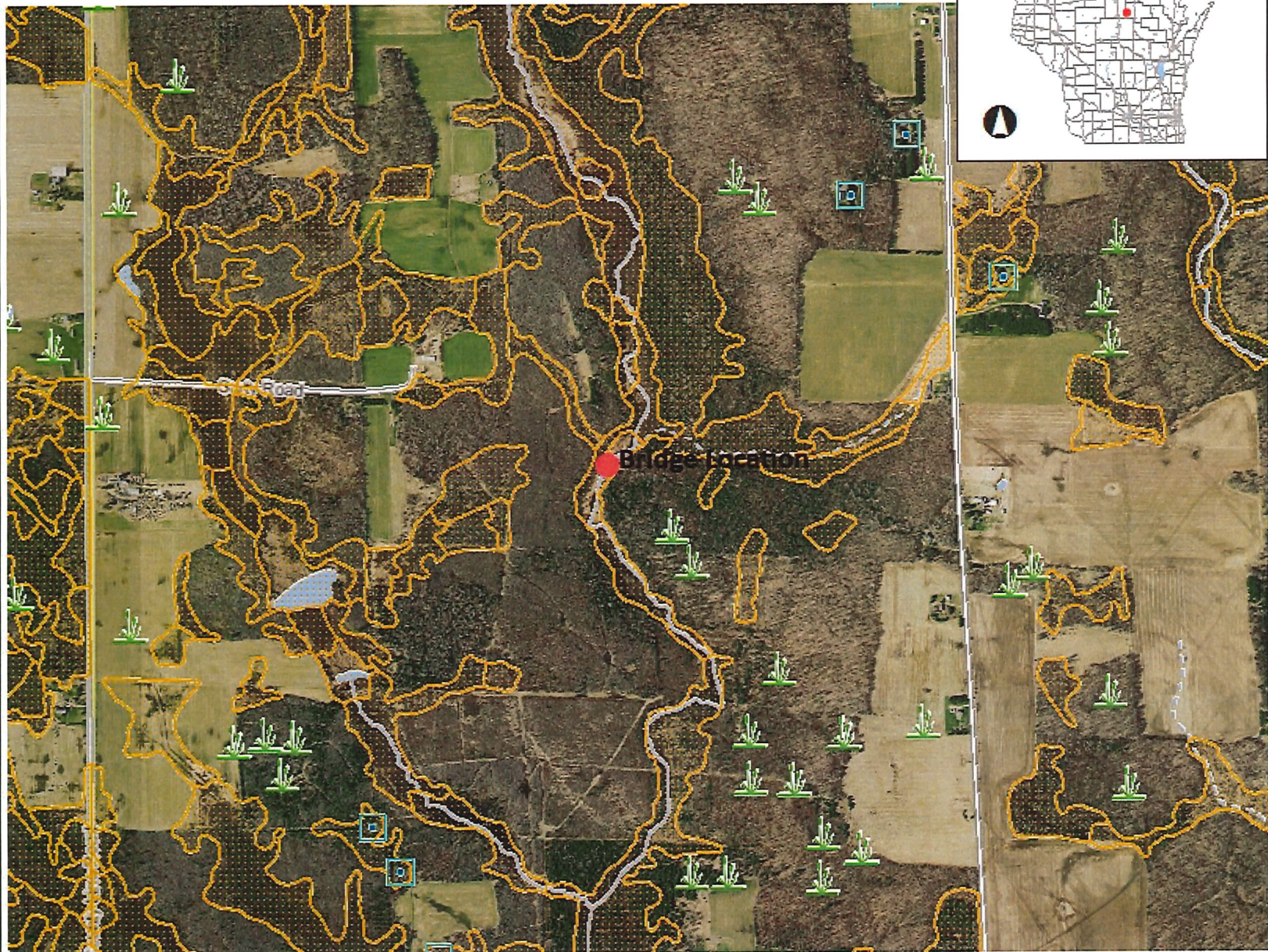
Bridge 4 Replacement Project

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



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



Bridge Deck Looking West



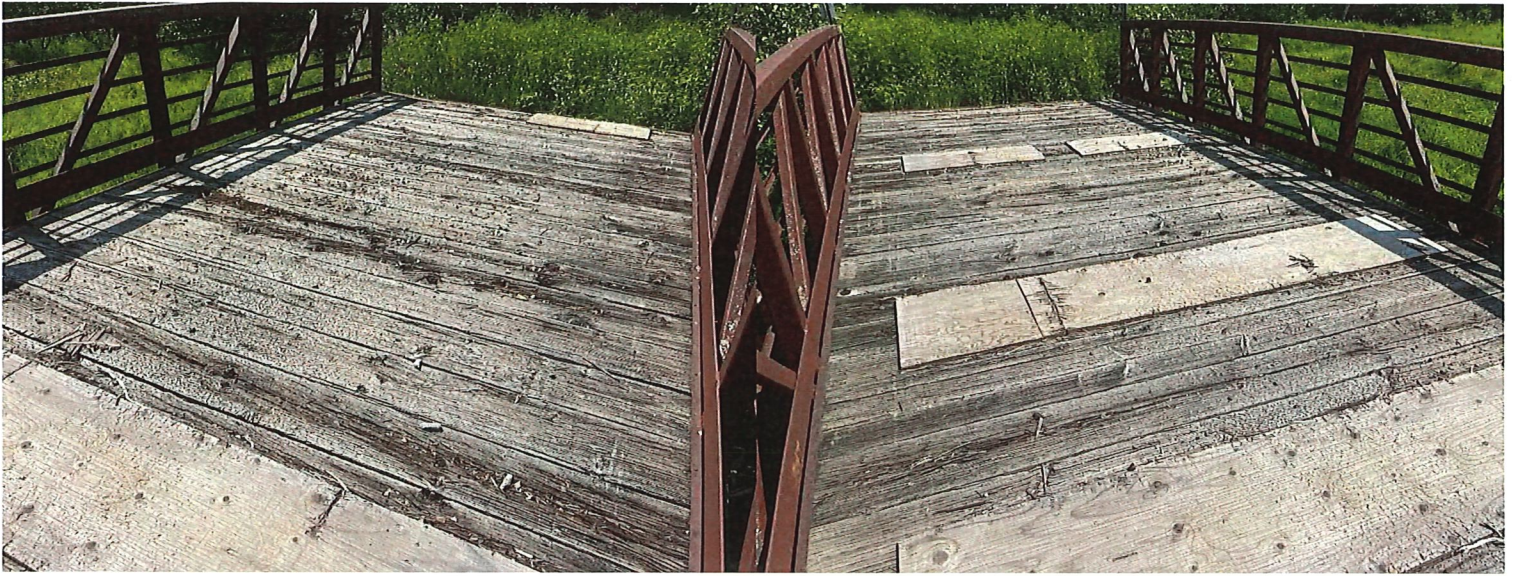
Bridge Deck Looking East



West Abutment



East Abutment



Bridge Deck



Cody Brauner

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

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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

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Jared Seidl

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

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,

I guess I'd have to review some preliminary plans. It appears like the bridge abutment areas are already historically filled in/disturbed, so if you're keeping all impacts within that existing filled in area, then no DNR Wetland Disturbance permitting. But if new impacts to the adjacent wetlands will be disturbed/fill in, then yes permitting would be needed. Let me know!

Thanks,

We are committed to service excellence.

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

Jared Seidl

Phone: (920) 420-5960

jared.seidl@wisconsin.gov

From: Cody Brauner <CBrauner@co.langlade.wi.us>
Sent: Thursday, July 28, 2022 3:49 PM
To: Seidl, Jared W - DNR <Jared.Seidl@wisconsin.gov>
Subject: RE: Snowmobile Bridge Replacements

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Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Hi Jared,

Thanks for the fast reply. I have spoke with one bridge engineer so far and at this point think that it will likely be necessary to replace the bridge abutments and soil dams on all four bridges.

Please let me know if this would then require any wetland permits on the two that are located in wetlands.

Thanks,

Cody Brauner

Forester

Langlade Co. Forestry Dept.

cbrauner@co.langlade.wi.us

(715) 627-6300

From: Seidl, Jared W - DNR <Jared.Seidl@wisconsin.gov>
Sent: Thursday, July 28, 2022 7:37 AM
To: Cody Brauner <CBrauner@co.langlade.wi.us>
Subject: [EXTERNAL] RE: Snowmobile Bridge Replacements

Good Morning Cody,

Thanks for the information, map and pictures regarding these proposed existing bridge replacements. I emailed our Fisheries Biologist, Dave Seibel, for approval to conduct work during the trout spawning timeframe, but don't believe

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

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



From: Cody Brauner <CBrauner@co.langlade.wi.us>
Sent: Thursday, July 28, 2022 6:43 AM
To: Seidl, Jared W - DNR <Jared.Seidl@wisconsin.gov>
Subject: Snowmobile Bridge Replacements

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Good morning Jared,

We are looking at applying for snowmobile grant funding to replace four bridges in next year's grant cycle. I have attached some pictures of the bridges and a rough location map as well. All replacements would be similar size clear span bridges in the same locations but with higher weight ratings to accommodate heavier grooming equipment and to meet current standards for snowmobile bridges.

Two of the bridges (bridge 4 and bridge 5) are located in wetlands. Both of these bridges have an existing fill in the wetlands that forms the approaches. We would not be proposing to add any fill in the wetlands and intend to reuse the abutments pending review by an engineer to minimize the disturbance and cost. These both cross classified trout streams and would likely need to be replaced in the winter or in the case of bridge 5 possibly a very dry summer. Would we be able to permit these replacements even though work in trout streams is typically not allowed in the winter?

Bridges 2 and 19 are on high ground and I think wetlands would not be impacted by the replacement of these bridges. Both crossings are on classified trout streams. Bridge 2 the abutments are not usable so this one will for sure be a total reconstruction. The abutments on bridge 19 may possibly be reused pending review by an engineer.

Bridge dimensions are as follows:

Bridge 2 12'x40'
Bridge 4 12'x45'
Bridge 5 12'x35'
Bridge 19 12'x35'

Could you please advise on the likelihood of permits being approved for the replacements of these bridges and any special requirements that may be applied to any of the permits if issued?

Please feel free to contact me with any questions or if you need additional information.

Thanks,

Cody Brauner

Forester
Langlade Co. Forestry Dept.
1633 Neva Road
Antigo, WI 54409
cbrauner@co.langlade.wi.us
(608) 220-2665 (cell)
(715) 627-6300



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

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

*****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

6421

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		
			Description	Price	Total
			2024 GRANT APPLICATION ESTIMATE Bridge 4		
1			54' Flat Bridge x 12' Wide - 25,000# Load Double Decked - 42" Horizontal Railing - Hardware On 2 sets of Galvanized Sill Pans	\$ 73,300.00	
			Stamped Engineered Drawings	3,000.00	
			Installation	12,800.00	
			Equipment Rental	2,500.00	
			Removal & Disposal of Existing Bridge	9,000.00	
			Delivery Charges	1,500.00	
			Total		\$ 102,100.00
			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: _____