S-28 Langlade County Bridge 4 Replacement State of Wisconsin Motorized Recreation Grant Application Department of Natural Resources For: (choose all that apply) Form 8700-159 (R 02/2024) dnr.wi.gov Page 1 of 5 ☐ ATV/UTV Trail Aid Due Date: April 15 Snowmobile Trail Aid 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.}. **DNR Use Only** Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Category Number Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your Community Services Specialist. Section 1: Applicant Information Applicant / Organization Name Check Recipient: Individual other than authorized individual to act on behalf of the applicant. Langlade County Forestry, Parks & Recreation Dept. Select if the same as applicant. Individual Authorized to Act on Behalf of Applicant per Resolution Check Recipient Name (Name to Appear on Check) Langlade County Treasurer Al Murray Title Title Forest Administrator Treasurer Address Address 1633 Neva Road 1633 Neva Road City State ZIP Code City State ZIP Code WI 54409 Antigo WI 54409 Antigo Telephone Number **Email Address** (716) 627-6300 amurray@co.langlade.wi.us Section 2: Project Information Required for all Projects **Project Title** Current Funded Miles New Miles (if applicable) Bridge 4 Replacement 530.4 **GPS Coordinates:** Township Range County Section 1/4 1/4 1/4 45.247464 Lat. OW 32 N 19 NE Long. -89.407581 Langlade NE **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. The pilings/abutments have heaved stressing the superstructure and will also need replacement. In addition to the decking the capacity of the bridge is under rated for the grooming equipment being used now. 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. 50% =\$87,703 from each Snow and ATV I certify that all maintenance land use agreements are on file. **Estimated Cost** Maintenance Acquisition Insurance Development Bridge Rehab. Trail Rehab. **Total Estimated Cost** \$175,406.00 \$175,406.00 Leave Blank - DNR Use Only **Applicant Certification** Printed Name of Authorized Official Official's Title Forest Administrator Al Murray

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

Motorized Recreation Grant Application

Form 8700-159 (R 02/2024)

Page 3 of 5

Appendix A – Required for	^r Bridge Reh	ab/Repl	ace,	New, or I	Reroute	e with New B	ridge
⊠ Bridge Rehab/Replace	New Br	idge		Reroute w	ith new	bridge	
County	Township Ran	ge	Section	on 1/4 1/4	1/4	GPS Coordinate	
Langlade	32 N 9	⊚E○W	19	NE	NE	Lat. 45.247 Long89.40	
Water Body Name	52 11			ridge Name		1	County Inventory Number
McCloud Creek							
Funded Trail Name or Number (SI	NARS if applicab	le)			ge site ev	ver received deve	elopment or rehabilitation funds
County Line			lir	the past?	Yes	s No Y	ear:\$14,050.00
Bridge is located on: Private	property		C	Old Bridge/C	ulvert Siz	ze 45x12	
O Public	property			lew Bridge/			
Landowner Where Bridge is Locat	ed		Т	elephone N	lumber	Length of T	rail Use Agreement (5 year minimum)
Jeffery Phals							
	0,000 lbs.	Age of	Bridge		e Materia		
	5,000 lbs.	34			l w/wood	d deck	
Sponsoring Club Name			Clul	b Contact			Telephone Number
Antigo SnoDrifters				n Grall			(715) 216-3910
Do you have your trail bridges pos				at is the ma omed with t			ridges on the system if
	○ Yes	● No	-12	000 lbs+ N	_		
What is the weight of your puller &	drag/grading ed	quipment?	, ,				
25,000lbs							
What other recreational trail uses	are planned for t	his bridge	?				
None							ATV 0
If there are other Recreational use	s planned, how	much of t	he brid	lge cost will	be paid f	for by non-snown	nobile or non-ATV users?
Yes	cted your local l	ONR Wate	er Man	agement S	pecialist ((<mark>WMS)</mark> regarding	a permit?
0	ded? (Please pr						
	cted your Coun	y Zoning	Dept. ı	regarding a	floodplai	n determination?	
○ Yes ● No Will an H & H (hydrologic and l	nydraulic)	study	be required	?		

Bridge Project Detailed Description

This bridges is approximately 34 years old and has deteriorating decking and the pilings have heaved stressing the superstructure. Consultation with a bridge engineer has indicated that the structure upon inspection would rate as poor condition and the county should be plan for replacement. 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. No H&H study will be required for an in-kind replacement (same length, width installed at the same elevation above the ordinary high water mark). Cost estimates include permits, the bridge structure, removal of the existing bridge, installation of the new bridge and disposal of the old structure.

Langlade County will seek 20 year easement for bridge and trail if awarded which the Club has discussed with the owner and he has indicated he would be willing to sign an easement.

Motorized Recreation Grant Application

Form 8700-159 (R 02/2024)

Page 4 of 5

Appendix A (continued)

O	0 4 -		A 4	0-4
Summariza	2120.1	ın	Appropriate	Catedories.
Oummanizo	00313		Appropriate	Outogoilos.

		Bridge Structure	
		Quote 1	Quote 2
		SteelWooden	Steel
Bridge Dimensions:		45x12	45x12
Bridge Manufacturer:	Wheeler	Inc.	Contech
Design Weight Load			<u>25,000</u> lbs.
Cost of Structure:	1. Engineering	\$	\$
	2. Structure	\$65,500	\$ <u>75,000</u>
	Subtota	\$ 65,500	\$ <u>75,</u> 000
		Quote 1	Quote 2
	(Ocontractor or Osponsor	Contractor or Sponsor
nstallation Costs:		Estimate	Estimate
1. Engineering		\$	\$
2. Site Preparation	on	\$	\$
3. Abutments		\$ 25,400	\$
4. Pilings/Piers		\$	\$
5. Approaches		\$	\$
6. Riprap		\$	\$
7. Labor		\$ 74,738	\$ <u>105,290</u>
8. Equipment Re	ental	\$	\$
9. Culverts		\$	\$
10. H & H Study		\$	\$
11. Wetland Delin	eation	\$	\$
12. Other Remova	al Old Bridge	\$ 8,200	\$ 8,200
	Subto	tal \$ 108,338	\$ 113,490
	Total Co	ost \$ <u>173,838</u>	\$ <u>188,490</u>
For the applic	ation grant, y	ou must take the lowe	est of the two quotes.
Entire Deck and F	Railing Projects	○ Contracto	or O Sponsor O Club
Bridge Dimensions:			
Design Weight Load		lbs.	
1. Materials		\$	
2. Labor		\$	
	To	tal \$	

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Recreation Grant Project Cost Estimate Worksheet

Form 8700-014 (R 02/23)

Page 1 of 2

For use with Recreation Grant Application Forms

Additional Costs beyond the Bridge worksheet

Project Name:		Prepared By:	Date
Bridge 4 Replacement		Cody Brauner	02/05/2025
County	Project Applicant:	Landowner Name	O Public
Langlade	Langlade County	Jeffery Phals	Private

	Indicate - (C) Contract , (F) Force Acct., (D) Donated				,
\downarrow	DEVELOPMENT PROJECT ITEMS List by individual item or break down by Use Areas (See Item List On Back Of This Form)	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
F	Administration (permit prep/bid prep)	20	hr	\$55.00	1,100.00
С	Floodplain Permit	1	each	\$150.00	150.00
С	Signs	8	each-	\$12.00	96.00
С	posts	8	each	\$9.00	72.00
С	Bid Advertisement	1	each	\$150.00	150.00
-					
				TOTAL \$	\$1 568 00

NOTE:

- For development projects, contingency and indirect costs are <u>not</u> eligible expenses.
- For acquisition projects, complete the Acquisition Project Cost Estimate Section of this form.

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	10	\wedge
example, must provide copy of report by August 1 for 2024 only)	10	\mathcal{O}
2 Permits (maximum points 4)		
Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	
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	
11% - 49% from other funding source(s)?	1	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	
10 or more year deeded easement on private land or other public land, for all portions of	. 5	
that trail to the nearest road on each side of the bridge		
3-9 year deeded easement on private land or other public land, for all portions of that	4	
trail to the nearest road on each side of the bridge		
10 or more year deeded easement on private land or other public land, for just the bridge	3	
site		
3-9 deeded easement on private land or other public land, for just the bridge site	2	
10 or more year land use agreement (LUA, not deeded) on private land or other public	1	
land	L	~
3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	_ <i>O</i>
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	<u> </u>
20 miles or more	3	l .
No other snowmobile trails connect. Explain:	4	
No other showmoone trans connect. Explain.	, T	
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 Yes - 3 projects	-1	- 1
GRAND TOTAL	,	4

Comments/Notes:

From: Cody Brauner

To: Pennucci, Jeff F - DNR

Cc: <u>amurray</u>

Subject: RE: Follow-up from Preliminary Council Meetings

Date: Tuesday, July 30, 2024 4:31:02 PM

Attachments: <u>image008.png</u>

image010.png image011.png image011.png image004.png

CAUTION: This email originated from outside the organization.

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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 (715) 627-6300



Larson Construction Co Inc

19681 - 55th Avenue Chippewa Falls WI 54729 PH 715.723.9708 FX 715.723.4515

February 3, 2025 Langlade Co Trail Bridges Site #4 Estimate Wheeler Truss Bridge

	Remove and Dispose of Existing Structure	1	LS	\$ 8,200.00	\$ 8,200.00
	Install 45' long x 12' wide, 25,000lb capacity steel truss bridge, supported on				
0::- ".4	timber pile (up to 30' long) and timber abutments	1.00	EACH	\$165,637.50	\$ 165,637.50
Site #4	Backfill abutments with materials on site			included	
	Silt fence, seeding & emat as needed			included	
	Place up to 40 ton of base course for approaches			included	
				Total	\$173.837.50

Notes:

- 1 Larson Construction is a Union Contractor.
- 3 All Utility Conflicts, Resolved By Others Riprap can be placed and installed by Larson for \$1,500 per load (22 tons each)

	Tim MacLaughlin-Barck	Date:	2/3/2025
Signed:	Tim MacLaughlin-Barck	Title:	VP, Operations
Accepted:		Date:	
		Title:	

Project: Snow Bridge #4

Steel Truss Pedestrian Bridge

Antigo, WI



Wheeler Lumber LLC 9531 W 78th Street, Ste. 100 | Minneapolis, MN 55344 Jake Silkey | Sales Engineer jsilkey@wheeler1892.com | 262.229.4068

Prefabricated Steel Truss Recreation Bridge

Bridge Size:	45'-0" x 12'-0"	Finish:	Weathering (SP 7)	Weld Code:	AWS D1.1
Truss Type:	Parallel Chord	Web:	Pratt	X-Section:	Underhung
Live Load:	90 psf	Vehicle Load:	H-12.5	Design Code:	AASHTO LRFD
Safety Railing:	42" Horizontal	Rail Spacing:	AASHTO	Rail Material:	Steel angle
Rub Rail:	Wood	Hand Rail:	None	Lifting Weight:	22,100 lbs
Shipped as:	1 piece(s)	Field Splices:	0	Bearings:	Stainless/Teflon
Decking:	Wood	Species:	DF	Treatment:	QNAP
Wear Course:	Wood	Species:	SYP	Treatment:	MCA

Additional Notes: Bridge is shipped with decking and wear course installed. Lifting weight is for fully assembled bridge.

Includes a drill and epoxy anchor system (bolts, nuts, washers, and epoxy for normal bearing installation). Does not include the cost of unloading, installation, approach railing or substructure design/materials.

Lump sum / ea... \$65,500.00

Timber Pile 6' Abutment (2ea.)

Materials include timber cap, backing plank, wings & (8) 30' piling. Includes all necessary hardware for complete field assembly. All timber is Douglas Fir, Copper Naphthenate treated.

Lump sum total... \$25,400.00



Larson Construction Co Inc

19681 - 55th Avenue Chippewa Falls WI 54729 PH 715.723.9708 FX 715.723.4515 February 3, 2025 Langlade Co Trail Bridges Site #4 Estimate Contech Truss Bridge

	Remove and Dispose of Existing Structure	1	LS	\$ 8,200.00	\$ 8,200.00
	Install 45' long x 12' wide, 25,000lb capacity steel truss bridge, supported on Steel				
Site #4	pile (up to 30' long) and timber abutments	1.00	EACH	\$180,290.00	\$ 180,290.00
Sile #4	Backfill abutments with materials on site			included	
	Silt fence, seeding & emat as needed			included	
	Place up to 40 ton of base course for approaches			included	
				Total	\$188 490 00

Notes:

- 1 Larson Construction is a Union Contractor.
- 2 All Utility Conflicts, Resolved By Others
- 3 Riprap can be placed and installed by Larson for \$1,500 per load (22 tons each)

	Tim MacLaughlin-Barck	Date:	2/3/2025
Signed:	Tim MacLaughlin-Barck	Title:	VP, Operations
Accepted:		Date:	
The same state		Title:	

Cody Brauner

From:

Eric Sturm < Eric.Sturm@ContechES.com>

Sent:

Wednesday, January 22, 2025 8:02 PM

To:

Cody Brauner

Subject:

External Email RE: [EXTERNAL] RE: CONTECH - Snowmobile Bridges

Cody,

35x12 Truss Snowmobile bridge

\$60,000

4500lbs

45x12 Truss Snowmobile bridge

\$75,000

5000lbs

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: Tuesday, January 21, 2025 12:43 PM **To:** Eric Sturm < Eric.Sturm@ContechES.com>

Subject: [EXTERNAL] RE: CONTECH - Snowmobile Bridges

CAUTION: This email originated from outside of the organization. Exercise caution when opening attachments or clicking links, especially from *UNKNOWN* senders.

Hi Eric,

Thank you for the estimates.

Could you let me know what the lifting weight is for the two bridges so I can get an installation estimate?

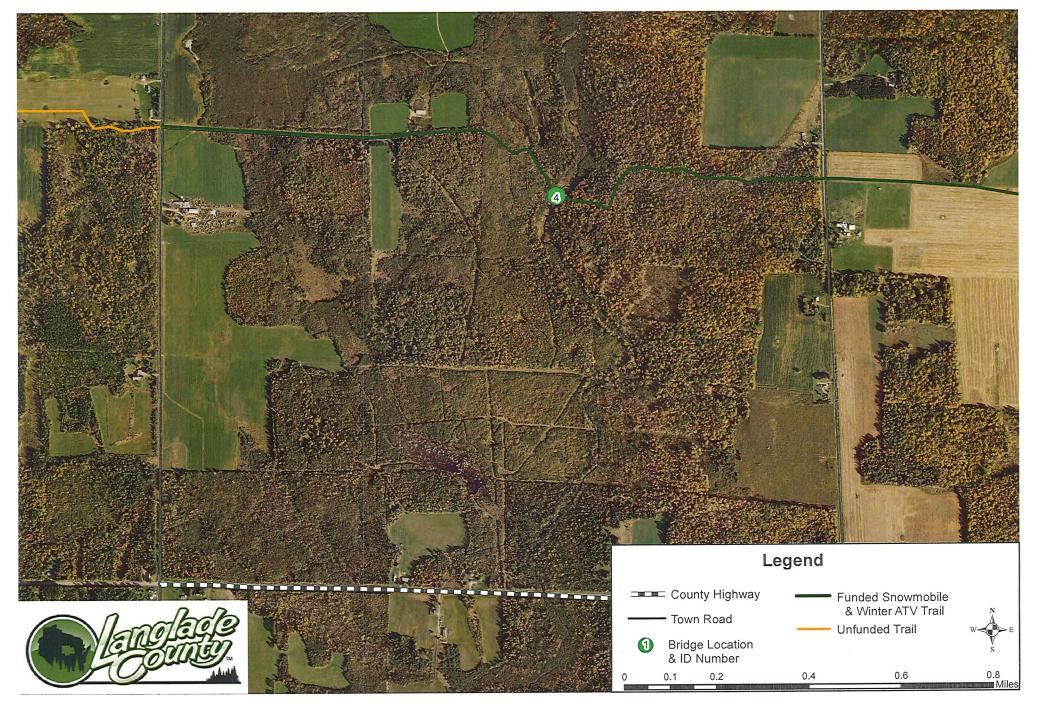
Thank you,

Cody Brauner

Assistant Forest Administrator Langlade Co. Forestry Dept. <u>cbrauner@co.langlade.wi.us</u> (715) 627-6300

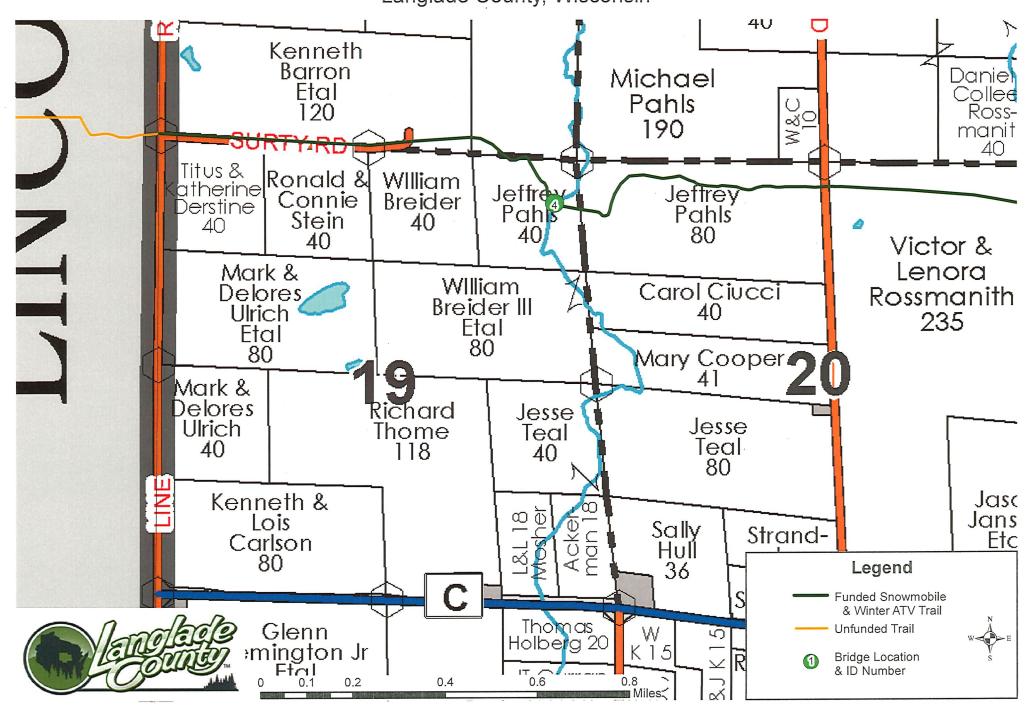
Bridge 4 Replacement Project

Langlade County, Wisconsin



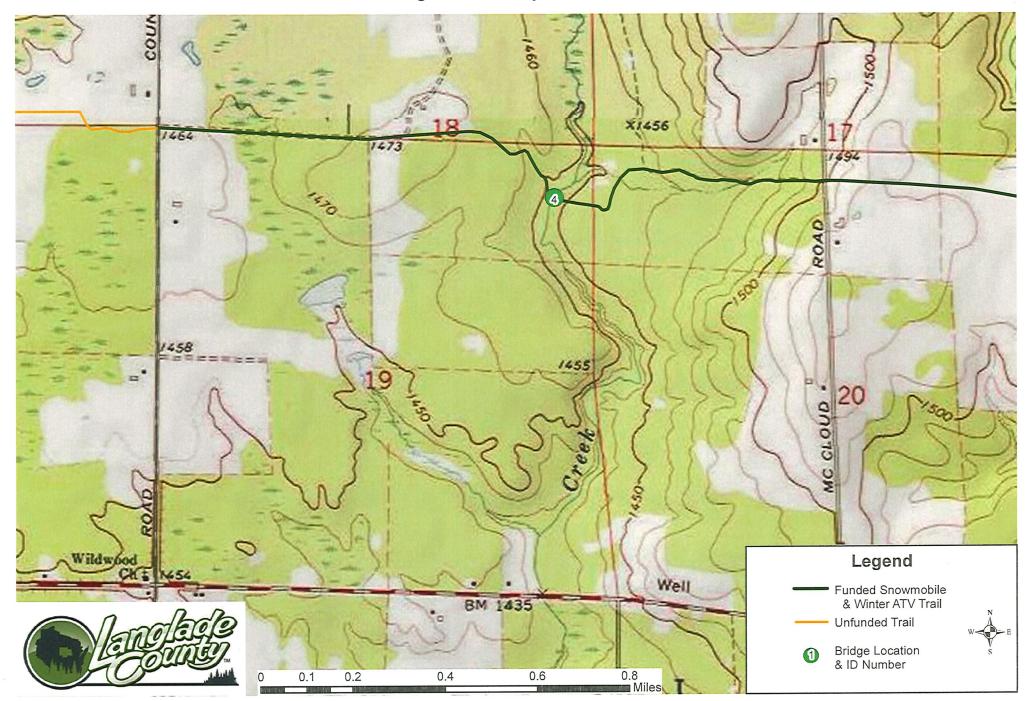
Bridge 4 Replacement Project

Langlade County, Wisconsin



Bridge 4 Replacement Project

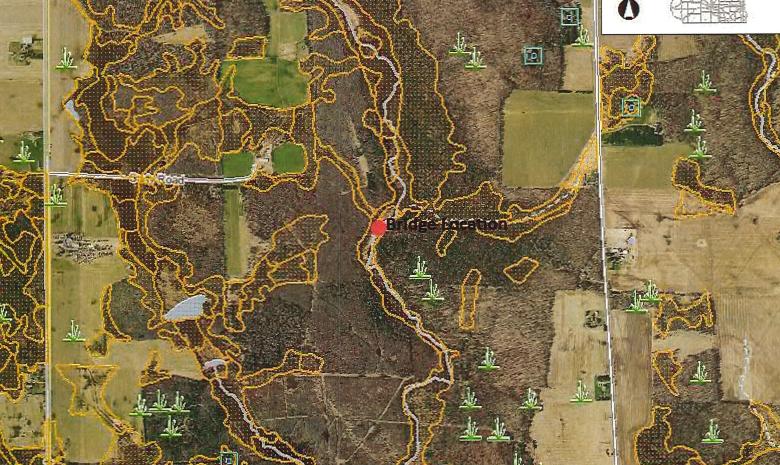
Langlade County, Wisconsin



WISCONEN DEPT OF NATURAL RESOURCES

Langlade County Bridge 4 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

Filled Areas

Wetland Class Areas

Wetland Class Areas
Wetland Class Points

Dammed pond
Excavated pond
Filled/drained wetland
Wetland too small to delineate
Filled excavated pond

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

Dirama and Chanana

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

Sno-Drifter Trails

Town of Vilas, Langlade County

T32N R9E Section 19



Bridge Deck Looing West

Bridge Deck Looking East



West Abutment

East Abutment



Bridge Deck





LAND USE AGREEMENT Motorized Recreation Trails and Routes Jeffery Pahls (2023)

This land use agreement grants a 16-foot right-of-way to Langlade County (sponsor), and the Antigo Sno-Drifters Snowmobile Club (operator) for the purpose of operating a winter motorized recreational trail on lands described below owned by Jeffery Pahls, across existing woods trails which have been previously utilized as motorized recreational trails.

The trail may be open for Snowmobile/Winter ATV use between December 1, and April 1, of each year when conditions are suitable and the applicable snowmobile zone(s) are open under the Counties Policy.

The clubs and or Langlade County may require access to the trail during the closed period to preform trail maintenance and inspections.

Legal land description of trial location:

NE¼NE¼ Section 19 T32N R9E Town of Vilas, as depicted in the attached map. Parcel Identification Number: 0320289

Additional land use requirements as specified by the landowner, if any:

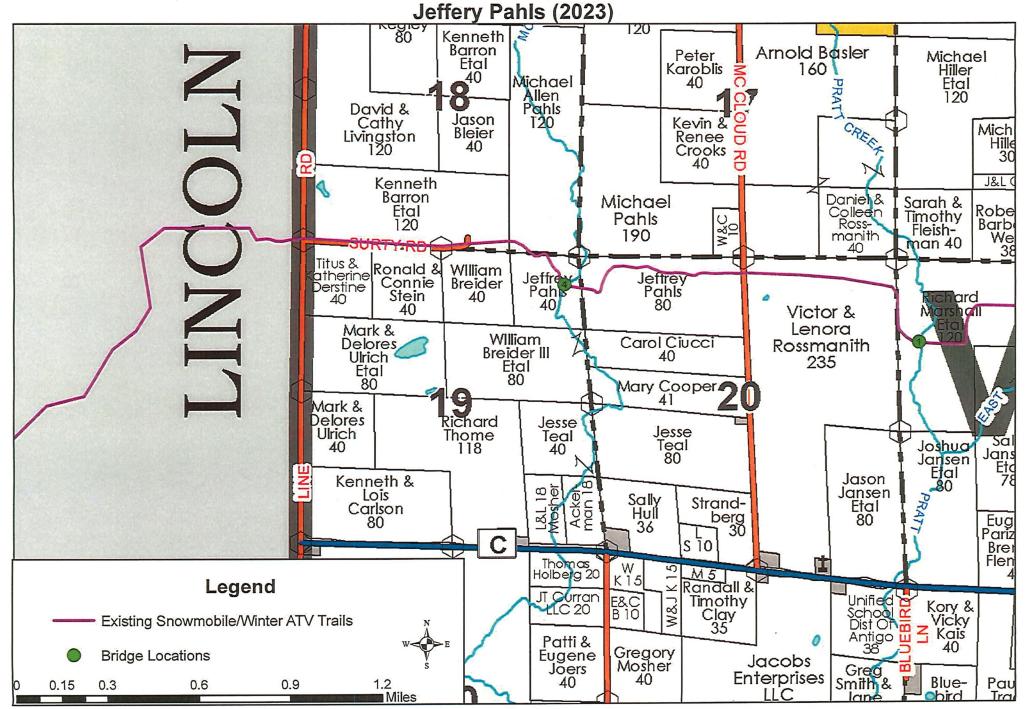
Duration of land use agreement: April 1, 2023, through April 1, 2032, and will renew



LAND USE AGREEMENT Motorized Recreation Trails and Routes Jeffery Pahls (2023)

Acceptance:
LANDOWNER
Jeffery Pahls
N6165 McClout Road
Gleason, WI 54435
Signature Offy Parls
Date: 3-13-23
TRAIL CLUB REPRESENATIVE
Antigo Sno-Drifters Snowmobile Club
Tim Garll, President
CF 9 11
Signature m shall
Date: 4 3 - 2 B
TRAIL SPONSOR REPRESENATIVE
Langlade County Forestry Recreation & Parks D
Al Murray, Forest Administrator
1633 Neva Rd, Antigo, WI 54409
(715) 627-6300
Signature Cil Control
Date: 3/14/25

Land Use Agreement Trail Map



Cody Brauner

From:

Koehnke, Scott E - DNR <Scott.Koehnke@wisconsin.gov>

Sent:

Wednesday, February 12, 2025 4:39 PM

To:

Cody Brauner

Subject:

External Email RE: Langlade County Bridge Replacements

Hey Cody,

Let's have a phone call next week-ish to discuss these. Overall, I agree in concept but we need to talk details. Your reference below about not knowing what materials the bridges will be replaced with and noting "similar" construction makes me want to have more details. In either case, I believe that issuance of a GP21 crossing permit should be possible.

Let me know what works for you and we can do a teams call.

Thanks.

Scott Koehnke

Senior Water Management Specialist – Waterways/Wetlands Wisconsin Department of Natural Resources 647 Lakeland Road, Shawano, WI 54166 Phone: 715/526-4232

scott.koehnke@wisconsin.gov



dnr.wi.gov

Our core values include professionalism, integrity, and customer service.

Please visit our survey to provide feedback on your experience interacting with any DNR employee.







From: Cody Brauner < CBrauner@co.langlade.wi.us>

Sent: Wednesday, February 5, 2025 7:32 AM

To: Koehnke, Scott E - DNR <Scott.Koehnke@wisconsin.gov>

Subject: Langlade County Bridge Replacements

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Good morning Scott,

Langlade County will be submitting grant applications for replacement of two snowmobile bridges (bridges 4 and 5). County wide bridge location map is attached along with some additional information. These were previously applied for and have been partially awarded in 2023.

These projects were discussed with Jared Seidl in 2023. Those discussions concluded that bridge 4 had an existing permit (3-NC-1991-34-1070) and this structure could be replaced in-kind without a new permit. Bridge 4 Jared and myself were unable to locate a permit. I have since located a set of plans for bridge 5 with a permit number (3-NC-91-1072) however, no permit. Jared concluded that since there is an existing structure in place and it has been there for approximately 30 years without issues that a permit application would be approvable for a replacement. With regard to the wetlands at these two locations Jared concluded that as long as no new or existing fill material was introduced outside the existing dimensional footprint of current fill at the bridge approach that no wetland permitting would be required. These projects have also been discussed with zoning regarding floodplain requirements and both are approvable on their end as in-kind replacements.

The intent is to replace these bridges with the same size and similar construction bridge structures. We will not know the exact construction or material of the new bridge until they are bid out. However, initial discussions with contractors indicate that bridge 4 would likely remain a steel truss bridge of similar construction to the existing bridge.

Due to the amount of time that has elapsed since these were initially discussed with Jared I thought we should revisit these projects. Please confirm if you agree with Jared's assessment or if you think we need to discuss these projects further before the grant applications are completed.

Thank you,

Cody Brauner

Assistant Forest Administrator Langlade Co. Forestry Dept. 1633 Neva Road Antigo, WI 54409 <u>cbrauner@co.langlade.wi.us</u> (715) 627-6300



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