

S-94 Cheese Country Bridge 48 COST INCREASE

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

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			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input checked="" type="checkbox"/> Select if the same as applicant.		
Tri County Trail Commission					
Individual Authorized to Act on Behalf of Applicant per Resolution			Check Recipient Name (Name to Appear on Check)		
Max Blackburn			Max Blackburn		
Title			Title		
Tri County Trail Coordinator			Tri County Trail Coordinator		
Address			Address		
700 Main Street			700 Main Street		
City	State	ZIP Code	City	State	ZIP Code
Darlington	WI	53530	Darlington	WI	53530
Telephone Number		Email Address			
(608) 776-4893		trails@lafayettecountywi.org			

Section 2: Project Information Required for all Projects

Project Title					Current Funded Miles	New Miles (if applicable)
Cheese Country Trail Bridge #48 Rehab Cost Increase						
County	Township	Range	Section	1/4 1/4	GPS Coordinates:	
Lafayette	N	<input type="radio"/> E <input type="radio"/> W		1/4	Lat. 42.740603 Long. -90.168819	

Project Description Summary

The Tri-County Trail Commission is requesting an increase in funding in order to complete the funded project due to unforeseen circumstances. See attached letter for more details on this request.

Propose 50/50 split with ATV/UTV and Snowmobile Grants

ATV/UTV @ 50% = \$63,681.50
Snowmobile @ 50% = \$63,681.50

This bridge is also known as NR-33-029 but is actually located on the Cheese Country Trail.

☒ I certify that all maintenance land use agreements are on file.

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$127,636.00		\$127,636.00

Leave Blank – DNR Use Only

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Applicant Certification

Printed Name of Authorized Official	Official's Title
Max Blackburn	Trail Coordinator

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

4-15-2025
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 Lafayette	Township N	Range <input type="radio"/> E <input type="radio"/> W	Section 1/4 1/4 1/4	GPS Coordinates: Lat. 42.740603 Long. -90.168819
Water Body Name Pecatonica River			Bridge Name Bridge #48	County Inventory Number #48
Funded Trail Name or Number (SNARS if applicable) Cheese Country Trail			Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No Year: _____ \$ _____	
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property			Old Bridge/Culvert Size 13' X 115' New Bridge/Culvert Size 13' X 115'	
Landowner Where Bridge is Located Pecatonica Rail Transit Commission			Telephone Number	Length of Trail Use Agreement (5 year minimum) Non-Expiring
Current maximum load 25,000 lbs.		Age of Bridge	Bridge Material	
Proposed maximum load 25,000 lbs.			Concrete/stone Abutments, steel girder, wood deck	
Sponsoring Club Name Tri County Trail Commission			Club Contact Max Blackburn	Telephone Number (608) 776-4893
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? 40,000 , but heavier maintenance equipment doesn't need to use this bridge.	
What is the weight of your puller & drag/grading equipment? ~20,000 #				
What other recreational trail uses are planned for this bridge? ATV, UTV, Snowmobile, bicycle, equestrian and pedestrian				
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users? None				
<input type="radio"/> Yes <input checked="" type="radio"/> No Have you contacted your local DNR Water Management Specialist (WMS) regarding a permit? <input type="radio"/> Yes <input checked="" type="radio"/> No Is a permit needed? (Please provide any written correspondence from WMS.) <input checked="" type="radio"/> Yes <input type="radio"/> No Have you contacted your County Zoning Dept. regarding a floodplain determination? <input type="radio"/> Yes <input checked="" type="radio"/> No Will an H & H (hydrologic and hydraulic) study be required?				

Bridge Project Detailed Description

This request is for additional funding for the Bridge #48 rehab project due to changes in personnel and project resources. See attached letter in this application package for more details.

The original application was approved 50% ATV/UTV funds to the total of \$70,868.50

The original application was approved 50% Snowmobile funds to the total of \$70,868.50

Due to the changes in personnel and project resources, updated estimates were sought in which it puts the proposed project at a cost of \$269,100.

\$269,100 [updated estimate]
 - \$141,737 [current approved funding]
 = \$127,363 [additional funding request]

ATV/UTV @ 50% = \$63,681.50

Snowmobile @ 50% = \$63,681.50

This bridge will be posted with a weight limit once the rehab project will be complete to prevent over weight equipment from accidentally traversing this bridge.

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure**Quote 1**☐ Steel ☒ Wooden

13' X 115'

Bridge Dimensions:

Bridge Manufacturer: WheelerDesign Weight Load 25,000 lbs.Cost of Structure: 1. Engineering \$ 2. Structure \$ 122,550**Subtotal** \$ 122,550**Quote 2**☐ Steel ☒ Wooden

13' X 115'

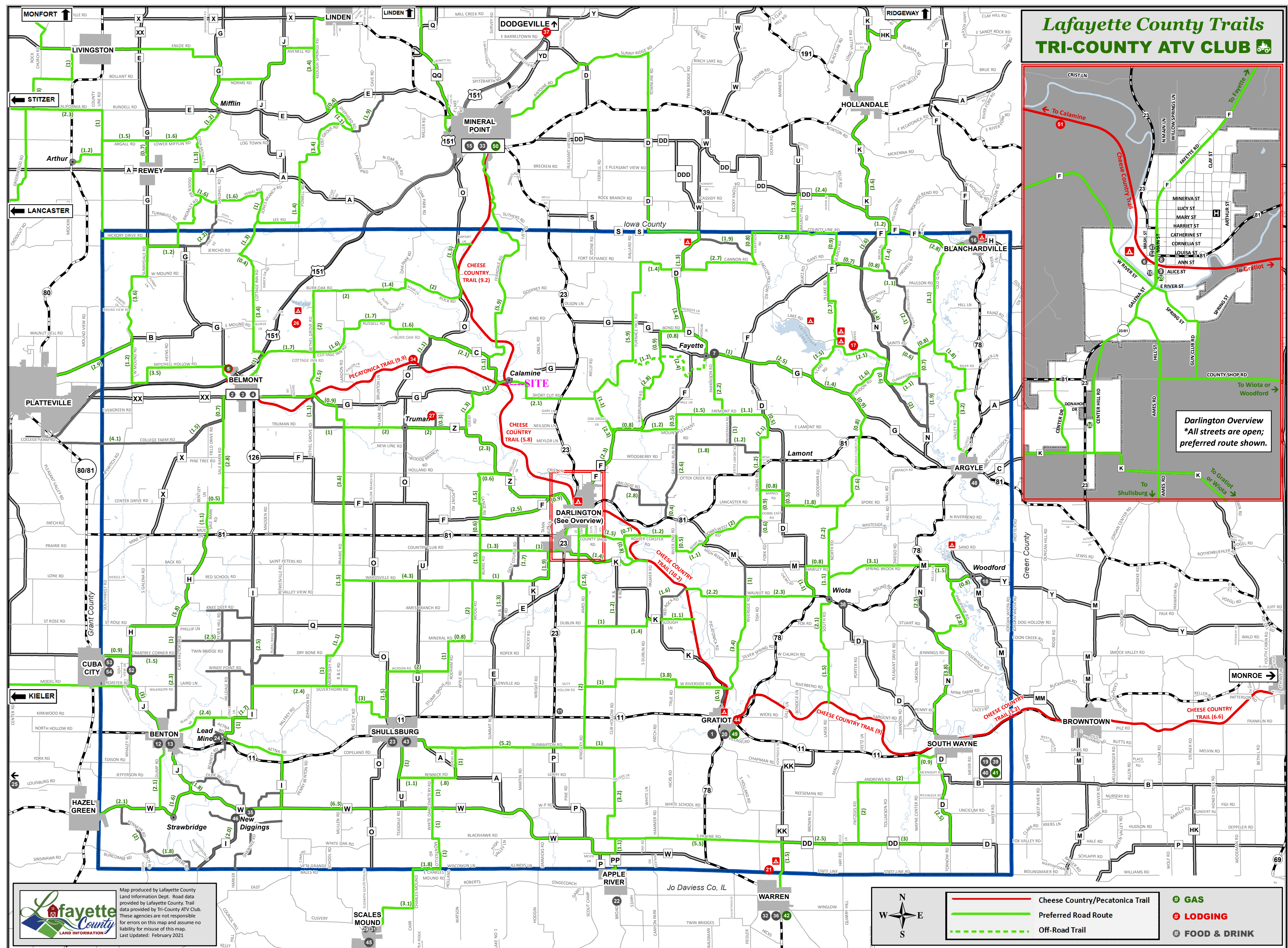
Design Weight Load 25,000 lbs.Cost of Structure: 1. Engineering \$ 2. Structure \$ 122,550**Subtotal** \$ 122,550**Quote 1**☒ Contractor or ☐ Sponsor
Estimate**Installation Costs:**1. Engineering \$ 39,0502. Site Preparation \$ 3. Abutments \$ 4. Pilings/Piers \$ 5. Approaches \$ 6. Riprap \$ 7. Labor \$ 107,5008. Equipment Rental \$ 9. Culverts \$ 10. H & H Study \$ 11. Wetland Delineation \$ 12. Other \$ **Subtotal** \$ 146,550**Total Cost** \$ 269,100**Quote 2**☐ Contractor or ☒ Sponsor
Estimate1. Engineering \$ 39,0502. Site Preparation \$ 20,0003. Abutments \$ 4. Pilings/Piers \$ 5. Approaches \$ 6. Riprap \$ 7. Labor \$ 90,0008. Equipment Rental \$ 24,0009. Culverts \$ 10. H & H Study \$ 11. Wetland Delineation \$ 12. Other \$ **Subtotal** \$ 173,050**Total Cost** \$ 295,600**For the application grant, you must take the lowest of the two quotes.****Entire Deck and Railing Projects**☒ Contractor ☐ Sponsor ☐ ClubBridge 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	10
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	Funding (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)? <i>50% ATV</i>	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	5
	10 or more year deeded easement 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	
	3-9 year deeded easement 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	
	10 or more year deeded easement on private land or other public land, for <u>just the bridge site</u>	3	
	3-9 deeded easement on private land or other public land, for <u>just the bridge site</u>	2	
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	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	
	No other snowmobile trails connect. Explain:	4	
	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	
GRAND TOTAL			18

Comments/Notes:





Tri-County Trail Commission
Max Blackburn, Trail Coordinator
700 Main Street
Darlington, WI. 53530
608-776-4893

DATE: April 14, 2025

TO: Wisconsin Off-Road Vehicle Council / Governor's Snowmobile Council

RE: Cost Increase Bridge 48 Project

Dear Members of the Off-Road Vehicle Council & Governor's Snowmobile Council,

Included in this application is a cost increase for bridge #48 on the Cheese Country Trail in Lafayette County. When Tom Jean was trail coordinator, he was working with another engineering firm, and we had an ATV club member that was willing and able to complete said work for the re-decking of this bridge within the scope of the original application. Following Tom's retirement, I have taken over the administration of the grant and found the engineer we were working with previously has retired from that firm. In discussion with another engineer from that firm it was stated that they were too busy to work within the grant timeline, so as a result we are now working with a different engineering firm to move forward. In addition, the ATV club member that was going to complete these projects has resigned from doing any further maintenance work on the trail whatsoever.

Ultimately, we have lost our cost-savings through planned volunteer labor efforts to complete these bridge re-decking projects which will now result in the need for private contractors and competitive bidding.

I kindly ask you take a moment to review the attached materials and consider funding these cost increases. Please feel free to call me at 608-776-4893 if you have any questions.

Thank you for your time and consideration.

Best regards,


Max Blackburn
Trail Coordinator

Estimates for Cheese Country Trail bridges

From Aaron Palmer <apalmer@westbrookeng.com>

Date Wed 3/12/2025 3:11 PM

To Max Blackbourn <max.blackbourn@lafayettecountywi.org>

 4 attachments (343 KB)

Bridge #48 Estimate.pdf; Bridge #3 Estimate.pdf; Bridge #2 Estimate.pdf; Bridge #18 Estimate.pdf;

Max,

Attached are four separate estimates as though each project may be a standalone project.

Aaron Palmer, P.E.

Vice President

[Westbrook Associated Engineers, Inc.](#)

619 E. Hoxie St., PO Box 429

Spring Green, WI 53588

Ph: (608) 588-7866

F: (608) 588-7954



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PROJECT: Cheese Country Trail Bridges
Red Rock, WI
Lafayette County



Wheeler Lumber LLC
Jake Silkey
jsilkey@wheeler1892.com
262.229.4068

Trail Bridge B-18**Lump Sum Total: \$71,050.00**

60' span x 12' clear superstructure only, designed to 90# pedestrian load and a HS20 vehicle load. Transverse nail laminated deck panels with interlocking shiplap joints attaching to existing steel stringers. 42" horizontal railing with 6"x6" curbs and 3"x6" scuppers. Includes 2"x12" timber wear plank with attaching screws, timber caps & cavity fillers, and 2"x4" timber and plywood shims.

Trail Bridge B-48**Lump Sum Total: \$122,550.00**

115'-3" span x 13' clear superstructure only, designed to 90# pedestrian load and a H12.5 vehicle load. Transverse nail laminated deck panels with interlocking shiplap joints attaching to existing steel stringers. 42" horizontal railing with 6"x6" curbs and 3"x6" scuppers. Includes 2"x12" timber wear plank with attaching screws.

Additional Notes:

- All timber to be Douglas Fir, pressure treated with Copper Naphthenate (QNAP) in Type A Hydrocarbon Solvent in accordance with AWWA P-36-22 and HSA-23 to meet AWWA UC4B & UC4C.
- All practical pre-framing to be done prior to treatment. Some field cutting and drilling may be required.
- All Douglas Fir to be graded per WCLIB Standard Grading Rules.
- Includes associated hardware. Hardware to be hot-dipped galvanized or coated to meet or exceed ASTM A153.
- Material certification may not be available for all hardware. Some items may not meet Buy America requirements.
- Bridge decking and railing shipped in pieces as a field assembled kit.
- Does not include the cost of unloading and installation.
- The method and sequence of erection shall be the responsibility of others.
- Wheeler will include bridge superstructure plans sealed by a Professional Engineer registered in the state of the bridge location. Wheeler will not assume responsibility as Engineer of Record for the project.

Bridges

From Dan Rielly <dan.rielly@lafayettecountywi.org>

Date Tue 4/15/2025 6:55 AM

To Max Blackbourn <max.blackbourn@lafayettecountywi.org>

Hi Max

Est. on trail bridges

Bridge 2

Labor : \$45,000

Machinery : \$12,000

Demolition : \$10,000

Bridge 3

Labor : \$45,000

Machinery : \$12,000

Demolition : \$10,000

Bridge 18

Labor : \$67,500

Machinery : \$18,000

Demolition : \$15,000

Bridge 48

Labor : \$90,000

Machinery : \$24,000

Demolition : \$20,000

Thanks Dan

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue Green Bay WI
54313-6727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



INSPECTION REPORT FOR

NR-33-029

Pecatonica State Trail over Pecatonica River

1/31/2024




Identification & Location

Structure No.	NR-33-029	State Division	State Trail
Feature On	Pecatonica State Trail	Location	250' E of CTH G
Feature Under	Pecatonica River	Trail Mile	N/A
Sect/Twn/Rng	17/03N/03E	Latitude	42.74069
Municipality	Calamine	Longitude	90.16958
County	Lafayette	Owner	WI DNR
Year Built	1903	Maintainer	WI DNR

Inspection

Type	Prior Date	Frequency (mos)
Routine	12/9/2013	
SIA Review		

Inspector

Inspector		Number	Date	Completion Time
Matt Roesch		9725	1/31/2024	30 min
Signature				
Team Members				
Jarrold Schneider				

Geometry

Total Width (ft)	10	Clr Deck Width (ft)	10
Total Length (ft)	116	Deck Area (sq ft)	1160
Deck Surface Material	Timber		

Span(s)

# Spans	Material	Configuration	Length (ft)
2	Steel	Girder	58

Hydraulic

High Water Elevation (ft)	
Q100 (ft ³ /sec)	
Velocity (ft/sec)	

Capacity

Inventory Rating		Last Rating Date	
Operating Rating		Controlling	

Elements

Quantity in Condition State

Element	Defect	Description	UOM	Total	1	2	3	4	Comments
31		Timber Deck	SF	1160		1160			
	1140	Decay/Section Loss/Abrasion/Wear	SF			1160			The deck exhibited minor decay throughout.
8000		Wearing Surface Bare	SF	1160		1130		30	
	1140	Decay/Section Loss/Abrasion/Wear	SF			1130		30	The wearing surface exhibited minor snowmobile wear. The northwest corner of the deck exhibited an approximately 30 SF area of loose/missing wearing surface boards.
107		Steel Open Girder/Beam	LF	230		230			
	1000	Corrosion	LF			230			There was evidence of painted over corrosion throughout.
202		Steel Column	EA	4	4				Includes steel structure on top of concrete pier.
210		Reinforced Concrete Pier Wall	LF	30			30		
	1080	Delaminations/Spalls/Patch Areas/Exposed Rebar	LF				30		Both noses of the pier exhibited full height spalling, approximately 4' per side. Extensive spalling and delamination throughout.
	1130	Cracking/Efflorescence	LF				30		The pier exhibited map cracking with efflorescence throughout.
215		Reinforced Concrete Abutment	LF	60		52	8		Element is to capture concrete caps on top of masonry abutments.
	1080	Delaminations/Spalls/Patch Areas/Exposed Rebar	LF				8		The corners of both concrete abutment caps exhibited approximately 2' W by full height spalls.
	1130	Cracking/Efflorescence	LF			52			The concrete abutment caps exhibited typical hairline cracking throughout.
217		Masonry Abutment	LF	60		50		10	
	1610	Mortar Breakdown	LF			50		10	The northwest corner of the west abutment exhibited an area approximately 10' L by 5' D that had completely failed.
332		Timber Bridge Railing	LF	230		190		40	
	1140	Decay/Section Loss/Abrasion/Wear	LF			190		40	The southwest corner of the railing was missing - temporary repair was done with welded wire, but was not secure.

Assessments

		Quantity in Condition State						
Assessment	Description	UOM	Total	1	2	3	4	Comments
9001	Drainage - Ends of Structure	EA	4	4				
9030	Signs - Object Markers	EA	4	4				
9041	Slope Prot. - Bare	EA	2	2				
9167	Steel Diaphragm	EA	12		12			The diaphragms exhibited minor corrosion with no loss of section.
9322	Approach Roadway - Concrete (Non-Structural)	EA	2	2				

NBI Ratings

	File	New
Deck	N/A	5
Superstructure	N/A	7
Substructure	N/A	5
Culvert	N/A	N/A
Channel	N/A	8
Waterway	N/A	8

Structure Specific Notes

Inspection Specific Notes

Inspector Site-Specific Safety Considerations

Maintenance Items History

<i>Item</i>	<i>Priority</i>	<i>Recommended By</i>	<i>Status Date</i>
Repair wearing surface (30 SF)	Med	Matt Roesch	1/31/2024
Repair railing (40 LF)	High	Matt Roesch	1/31/2024
Repair NW corner of west abutment	Med	Matt Roesch	1/31/2024

Sketch



View of north fascia, looking south.



View of south fascia, looking north.



View of west approach, looking east.



View of east approach, looking west.



View of upstream channel, looking north.



View of downstream channel, looking south.



View of east abutment, looking east.



View of west abutment, looking west.



View of typical underdeck, looking east.



View of typical pier, looking east.



View of typical snowmobile wear, looking east.



View of typical painted over corrosion on girder, looking north.



View of typical spalling on concrete abutment cap, looking west.



View of typical loss of mortar on masonry abutment, looking west.



View of missing boards at west end of deck, looking east.



View of spalling on south pier nose, looking east.



View of masonry failure at northwest corner of west abutment, looking west.



View of southwest railing missing/temporary repair, looking east.

Fw: Cheese Trail Bridges #18 & #48

From Erica Sauer <erica.sauer@lafayettecountywi.org>
Date Tue 4/15/2025 11:33 AM
To Max Blackburn <max.blackburn@lafayettecountywi.org>

Erica Sauer

From: Wagner, Jonathan J - DNR <jonathanj.wagner@wisconsin.gov>
Sent: Tuesday, April 15, 2025 10:54:27 AM
To: Erica Sauer <erica.sauer@lafayettecountywi.org>
Subject: RE: Cheese Trail Bridges #18 & #48

Erica,

From a floodplain standpoint, there isn't anything that the work would require for repair or replacement in kind.

Jon Wagner

Water Management Engineer
Phone: (608) 228-4935
jonathanj.wagner@wisconsin.gov

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From: Erica Sauer <erica.sauer@lafayettecountywi.org>
Sent: Monday, April 14, 2025 4:08 PM
To: Wagner, Jonathan J - DNR <jonathanj.wagner@wisconsin.gov>
Subject: Fw: Cheese Trail Bridges #18 & #48
Importance: High

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Hi Jonathan-

This is a new one for me. Our trails department is looking to fix a few existing bridges on an old railroad corridor. The bridges would remain the existing size and in the existing location within Floodplain Zone A.

Would this require a Floodplain Land Use Permit for a modification to an existing structure, or no?

Thanks,

Erica Sauer

Department Manager
Lafayette County Land Conservation and Planning & Zoning Department
Certified Crop Advisor | POWTS Inspector | Certified Soil Tester
700 Main Street Darlington, WI 53530
(608) 776-3836 | erica.sauer@lafayettecountywi.org



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