

#29 Polk Trail 41 Culvert

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 type="checkbox"/> Select if the same as applicant.		
Polk County					
Individual Authorized to Act on Behalf of Applicant per Resolution			Check Recipient Name (Name to Appear on Check)		
Brent Sisko					
Title			Title		
Polk County Forest Admin					
Address			Address		
100 Polk County Plaza					
City	State	ZIP Code	City	State	ZIP Code
Balsam Lake	WI	54001			
Telephone Number		Email Address			
(715) 554-0248		brent.sisko@polkcountywi.gov			

Section 2: Project Information Required for all Projects

Project Title					Current Funded Miles	New Miles (if applicable)
McKinley Creek Culvert Replacement 2024					380.9	
County	Township	Range	Section	¼ ¼	¼	GPS Coordinates:
Polk	36 N	15	5	SE	NE	Lat. 45.63346
						Long. -92.24061

Project Description Summary

An old, existing creek crossing on the funded Trail #41 has been subject to multiple years of blowouts in the spring. Most recently, this occurred in the spring of 2023 and was not discovered until later in summer. This project proposal will address the old, undersized/short culverts by adding a large bottomless culvert, and armoring/stabilizing inlets/outlets with rip rap. This will help to prevent re-occurring maintenance costs, prevent perpetual delivery of sediment to stream systems and create a through pass for maintenance needs on the funded snowmobile 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
				\$36,825.00		\$36,825.00

Leave Blank – DNR Use Only

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Applicant Certification

Printed Name of Authorized Official	Official's Title
Brent Sisko	Forest Administrator/Parks Assistant

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

4/11/24
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 Polk	Township 36 N	Range 15	<input type="radio"/> E <input type="radio"/> W	Section 5	¼ ¼ SE	¼ NE	GPS Coordinates: Lat. 45.63346 Long. -92.24061
Water Body Name McKinley Creek				Bridge Name Culvert		County Inventory Number	
Funded Trail Name or Number (SNARS if applicable) 41				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 type="radio"/> Private property <input checked="" type="radio"/> Public property				Old Bridge/Culvert Size (1) 24" X 15, (1) 36" X 20 New Bridge/Culvert Size 8' X 50' Bottomless Arch Pipe			
Landowner Where Bridge is Located Polk County Forest				Telephone Number (715) 554-0248		Length of Trail Use Agreement (5 year minimum) N/A	
Current maximum load _____ lbs.		Age of Bridge		Bridge Material			
Proposed maximum load _____ lbs.							
Sponsoring Club Name Polk County Snowmobile and ATV Club				Club Contact Todd Miller		Telephone Number (715) 553-0731	
Do you have your trail bridges posted as to maximum load? <input type="radio"/> Yes <input type="radio"/> No				What is the maximum load of the other bridges on the system if groomed with this bridge? N/A			
What is the weight of your puller & drag/grading equipment? 18K lbs							
What other recreational trail uses are planned for this bridge? None, snowmobile only.							
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

The project scope would be replacing two old existing undersized culverts on McKinley Creek. This crossing has been subject to multiple failures, and most recently after the spring of 2023. McKinley Creek is a navigable water and a Class II trout water.

To address the undersized culverts on funded Trail 41, this proposal would be removing the existing culverts and upgrading it to a permitted 8' X 50' steel arch culvert at the crossing. Design would include side slopes of 3:1 reinforced with rip/rap. Where suitable, native sourced dirt work will be utilized for fill materials from road approach realignment and capped with Class 5 gravel. Final engineering design and WMS permitting will be pursued dependent upon funding approval. Information has been sent to WMS to determine if the crossing will be subject to a general permit or individual permit.

Note* A certified bridge inspection was not pursued for the existing culvert crossing, since it is not a bridge and pictures included in this packet clearly depict the need of upgrading the infrastructure.

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>8' x 50' Arch Culvert</u>	<u>8' x 50' Arch Culvert</u>
Bridge Manufacturer:	<u>Contech</u>	<u>True North Steel</u>	
Design Weight Load		_____ lbs.	_____ lbs.
Cost of Structure:	1. Engineering	\$ _____	\$ _____
	2. Structure	\$ _____	\$ _____
	Subtotal	\$ _____	\$ _____

		Quote 1	Quote 2
		<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input checked="" type="radio"/> Sponsor Estimate
Installation Costs:			
1. Engineering	\$ _____	\$ _____	\$ _____
2. Site Preparation	\$ _____	\$ _____	\$ _____
3. Abutments	\$ _____	\$ _____	\$ _____
4. Pilings/Piers	\$ _____	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____	\$ _____
6. Riprap	\$ _____	\$ _____	\$ _____
7. Labor	\$ _____	\$ _____	\$ _____
8. Equipment Rental	\$ _____	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____	\$ _____
12. Other <u>See quote estimates</u>	\$ <u>33,025</u>	\$ <u>37,641</u>	\$ <u>37,641</u>
	Subtotal	\$ <u>33,025</u>	\$ <u>37,641</u>
	Total Cost	\$ <u>33,025</u>	\$ <u>37,641</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
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Bridge Dimensions:	_____	Force Account Engineering \$3,000 and WMS Permit \$800 added to cost = \$36,825
Design Weight Load	_____ lbs.	
1. Materials	\$ _____	
2. Labor	\$ _____	
	Total	\$ _____

For use with Recreation Grant Application Forms

Project Name: McKinley Creek Culvert Replacement 2024		Prepared By: Brent Sisko	Date: 04/05/2024
County: Polk	Project Applicant: Polk County	Landowner Name: Funded Trail #41 on Polk County Forest	<input checked="" type="radio"/> Public <input type="radio"/> Private

Indicate - (C) Contract , (F) Force Acct., (D) Donated

	DEVELOPMENT PROJECT ITEMS <i>List by individual item or break down by Use Areas (See Item List On Back Of This Form)</i>	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
C	6"- 15 Rip Rap	2	EA	\$1,350.00	\$2,700.00
C	Fabric	1	EA	\$500.00	\$500.00
C	D-3 Dozer	25	HR	\$125.00	\$3,125.00
C	Excavator	25	HR	\$150.00	\$3,750.00
C	730 Off Road Truck haul	7.5	HR	\$200.00	\$1,500.00
C	Skid-Steer	15	HR	\$110.00	\$1,650.00
F	Engineered Design and Site Visits	1	EA	\$3,000.00	\$3,000.00
C	8' x 50' Arch Bottomless Culvert	1	EA	\$14,000.00	\$14,000.00
C	3/4" Class 5	8	EA	\$600.00	\$4,800.00
C	Mobilization	1	EA	\$1,000.00	\$1,000.00
C	WMS Permit	1	EA	\$800.00	\$800.00
				TOTAL\$	\$36,825.00

NOTE: For acquisition projects, complete the Acquisition Project Cost Estimate Section



McKinley Creek Culvert Crossing 2024



Legend

- Lake Class Areas
- Riverine/ditch Class 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
- Lake Class Areas
- Riverine/ditch Class 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



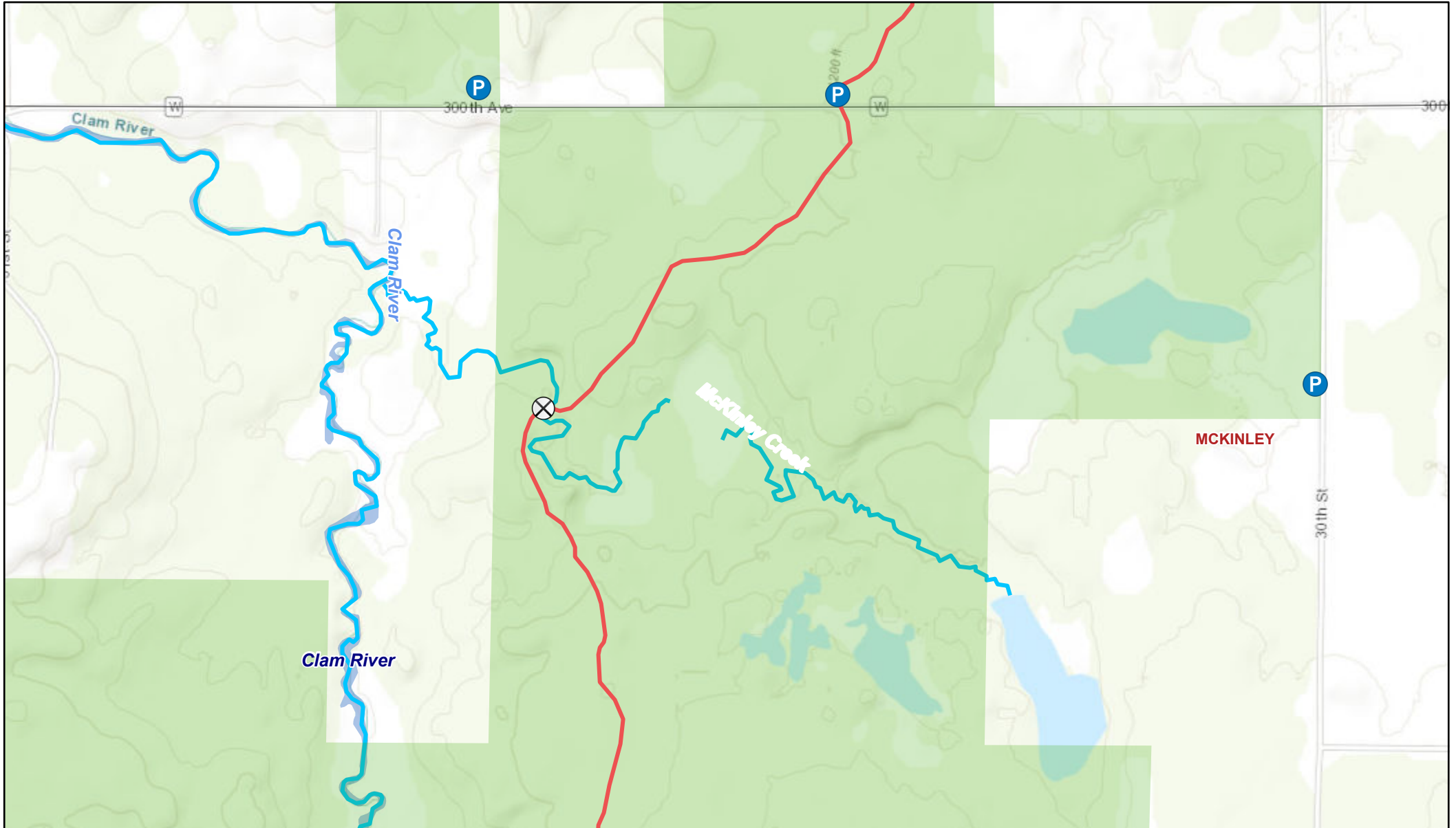
NAD_1983_HARN_Wisconsin_TM

1: 3,960

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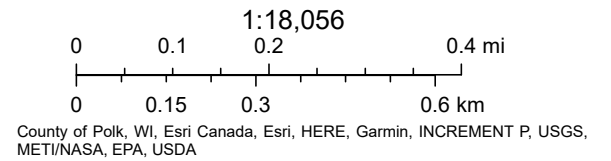
Notes

McKinley Creek Culvert Replacement 2024- Topo

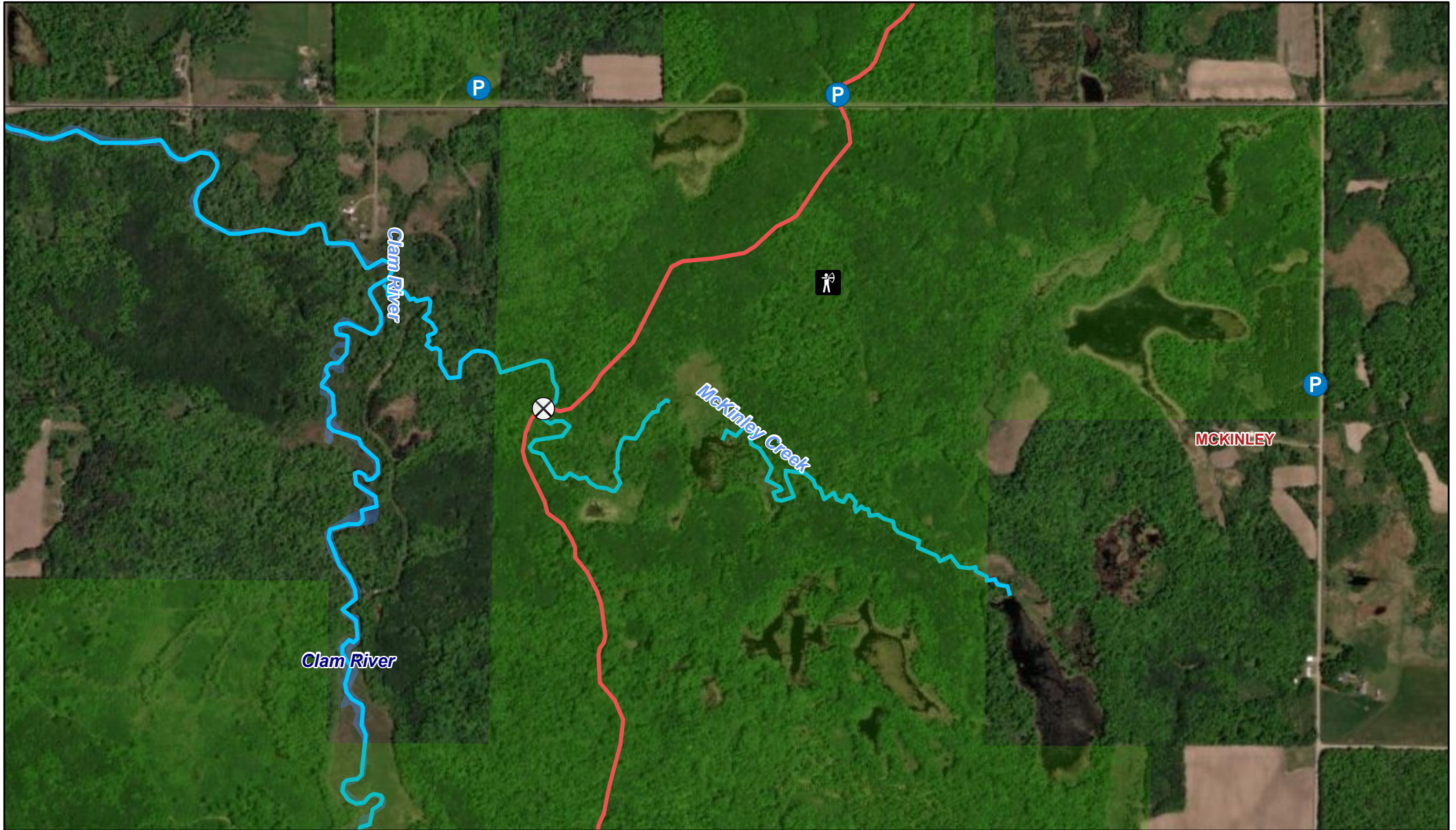


4/5/2024

- | | | | |
|------------------------------|------------------|----------------------|---------------------|
| Parking | Funded Trail #41 | Park or Natural Area | Waterbody |
| Proposed Culvert Replacement | State Lands | Polk County Lands | Municipality |
| | | | T1 |
| | | | T2 |

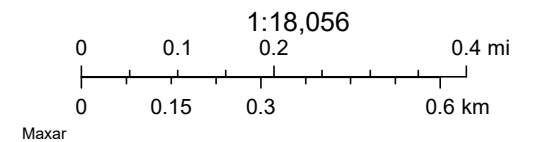


McKinley Creek Culvert Replacement 2024- Aerial

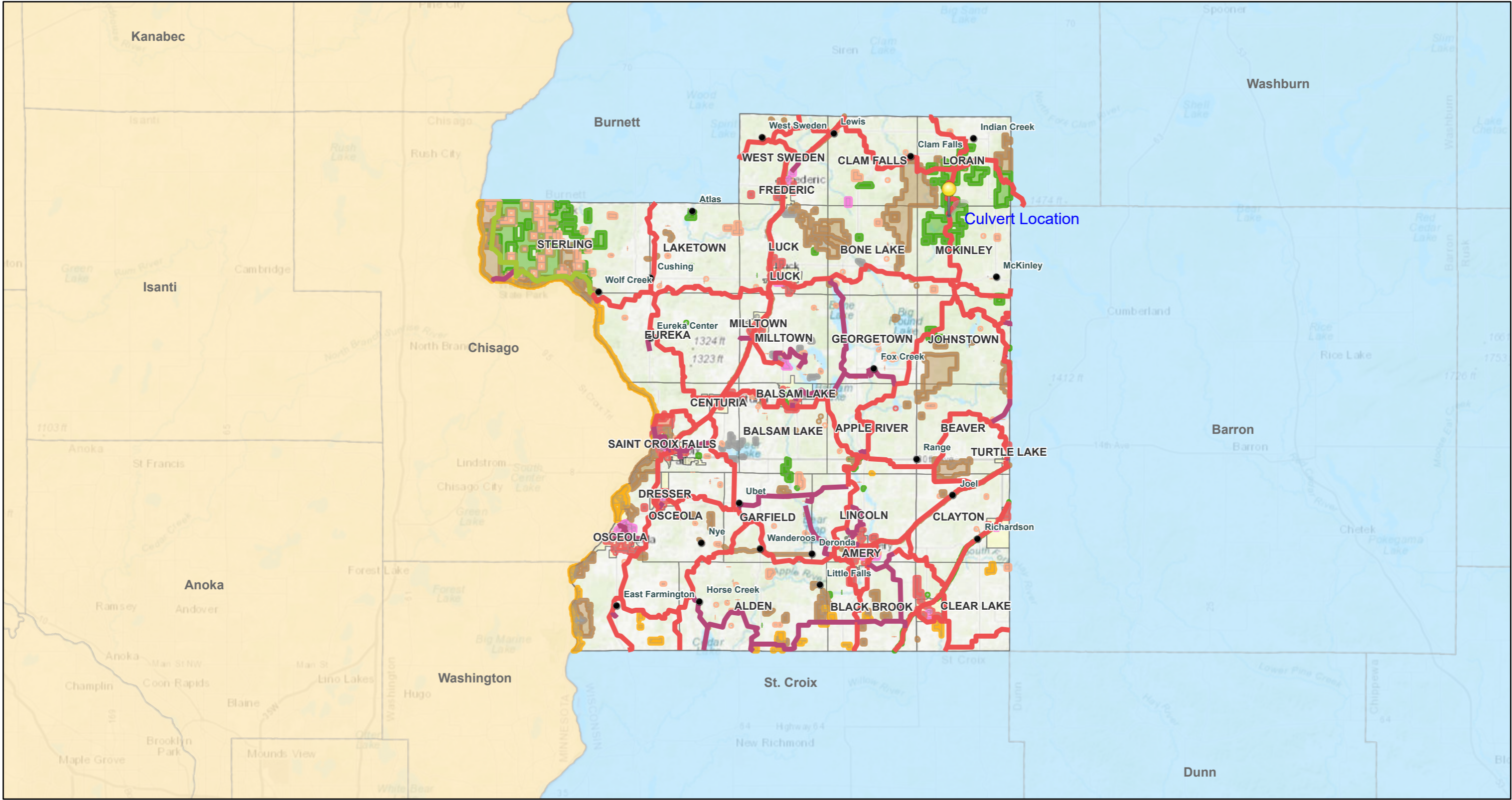


4/5/2024

- | | | | |
|---------------------------|------------------|----------------------|---------------------|
| P Parking | Funded Trail #41 | Park or Natural Area | Waterbody |
| Proposed Culvert Location | State Lands | Polk County Lands | Municipality |
| | | T1 | T2 |



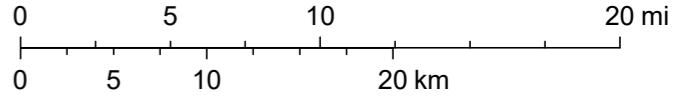
Polk County, Wisconsin Snowmobile Trails



4/5/2024, 10:02:15 AM

1:577,791

<p>Counties</p> <ul style="list-style-type: none"> MN WI <p>Unincorporated Village</p> <ul style="list-style-type: none"> <p>Snowmobile Trail</p> <ul style="list-style-type: none"> FUNDED TRAIL CLUB TRAIL STATE TRAIL 	<p>Public Lands - Scale Above 1:20,000</p> <ul style="list-style-type: none"> City or Village Lands State Lands Town Lands <p>Public Lands - Scale Below 1:19,999</p> <ul style="list-style-type: none"> Polk County Lands Federal Lands School Dist Lands Conservancy Lands City or Village Lands 	<p>State Lands</p> <ul style="list-style-type: none"> State Lands Town Lands Polk County Lands Federal Lands School Dist Lands 	<p>Municipality</p> <ul style="list-style-type: none"> F T1 T2 <p>McKinley Creek Culvert Location</p> <ul style="list-style-type: none">
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Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

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	
2	Permits (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	
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	
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 that trail to the nearest road on each side of the bridge</u>	5	
	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	
	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	
	20 miles or more	3	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			9

Comments/Notes:





