

#28 Washburn Trail 27 Bridge 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				Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input type="checkbox"/> Select if the same as applicant.			
Washburn County							
Individual Authorized to Act on Behalf of Applicant per Resolution				Check Recipient Name (Name to Appear on Check)			
Brandon Shutt							
Title				Title			
Assistant Recreation Administrator							
Address				Address			
1760 Roundhouse Road							
City	State	ZIP Code	City	State	ZIP Code		
Spooer	WI	54801					
Telephone Number		Email Address					
(715) 635-4490		bshutt@co.washburn.wi.us					

Section 2: Project Information Required for all Projects

Project Title					Current Funded Miles	New Miles (if applicable)	
Trail 27 Bridge Rehab/Replace					1.37		
County	Township	Range	Section	1/4 1/4	1/4	GPS Coordinates:	
Washburn	37 N	10	2			Lat. _____	
		<input type="radio"/> E <input checked="" type="radio"/> W	Long. _____				

Project Description Summary

Project will include tearing out old hand made wooden bridge that has been there for over 15+ years. There is no record of when the current bridge there was constructed. Some maintenance has been to keep bridge structure sound, but we want to replace and get a new prefab bridge in place that has weight ratings to withstand any equipment that is used to keep trail in great condition. We are requesting a 25,000 lb bridge as there is possibility for the future to turn convert this trail into dual-use ATV/Snowmobile trail.

Currently with snow conditions, pictures will not be provided at this point in time. When snow conditions allow, pictures will be submitted.

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

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official	Official's Title
Brandon Shutt	Assistant Recreation Administrator

As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.

Brandon Shutt

Signature of Authorized Official

4/13/23

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 Washburn	Township 37 N	Range 10	Section 2	1/4 1/4	1/4	GPS Coordinates: Lat. Long.
Water Body Name Unnamed Intermittent Stream			Bridge Name N/A		County Inventory Number N/A	
Funded Trail Name or Number (SNARS if applicable) Trail 27			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 New Bridge/Culvert Size		30'x12' 30'x12'	
Landowner Where Bridge is Located Washburn County			Telephone Number (715) 635-4490		Length of Trail Use Agreement (5 year minimum)	
Current maximum load _____ lbs.		Age of Bridge		Bridge Material		
Proposed maximum load _____ lbs.		15+		Wood/Timber		
Sponsoring Club Name Birchwood Bobocat Riders			Club Contact Mike Robotka		Telephone Number (715) 205-1425	
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?			
What is the weight of your puller & drag/grading equipment? Grader 17,000 lb						
What other recreational trail uses are planned for this bridge? None- ATV 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? N/A						

- 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

Plan is to deconstruct current bridge in place. Put out bids for construction and installation of prefab bridge. We have decided to spec out a 25,000lb prefab bridge. The current is an old hand made wooden bridge built by the club years ago with no specific weight rating. The current use of this bridge is on an ATV only segment of trail, there is however a possibility in the future to turn this trail into a dual use with for Snowmobiles as well. The bridge currently spans over a stretch of wetland/intermittent stream. There has been issues with this bridge having some structural issues that the club has addressed and been monitoring. With a prefab metal bridge, this will eliminate possible water damage and have less maintenance required. The equipment used for maintaining the trail is roughly 17,000lbs which is also a reason we've elected to go with a 25,000lb. There was also very little different in price quotes for a 14,000lb vs. 25,000lb bridge.

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:	30'x12'	30'x12'
Bridge Manufacturer:	Anderson Bridges	Northwoods Bridge
Design Weight Load	25,000 lbs.	25,000 lbs.
Cost of Structure:		
1. Engineering	\$ 4,000	\$ 5,000
2. Structure	\$ 25,000	\$ 21,800
Subtotal	\$ 29,000	\$ 26,800

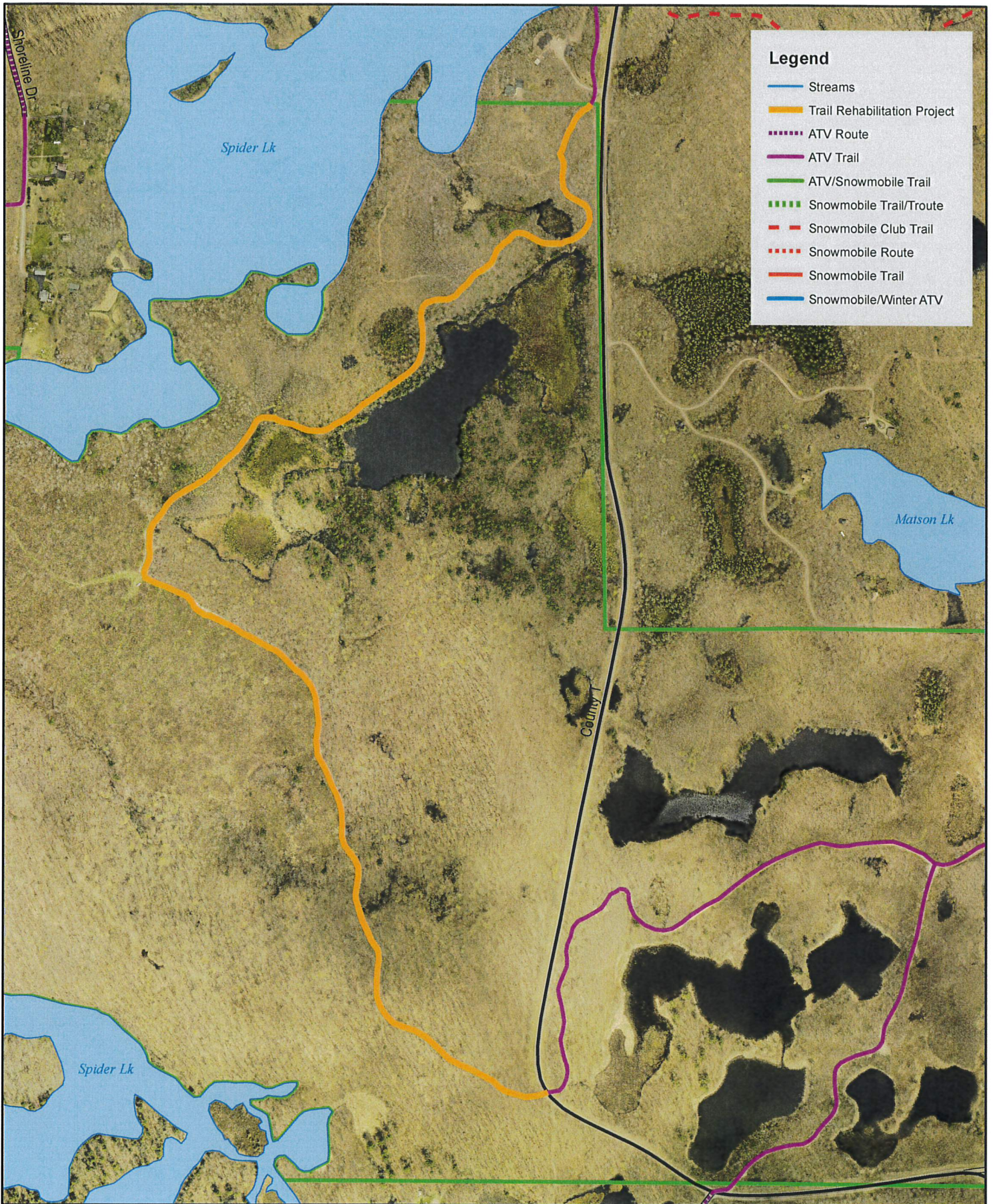
	Quote 1	Quote 2
	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ 5,000	\$ _____
3. Abutments	\$ 12,000	\$ _____
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ 2,000	\$ _____
7. Labor	\$ 5,000	\$ 9,200
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other _____	\$ _____	\$ _____
Subtotal	\$ 24,000	\$ 9,200
Total Cost	\$ 53,000	\$ 36,000

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects Contractor Sponsor Club

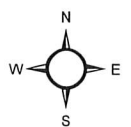
Bridge Dimensions:	_____
Design Weight Load	_____ lbs.
1. Materials	\$ _____
2. Labor	\$ _____
Total	\$ _____

Trail 27, Cty T to Cty T - Aerial

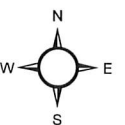
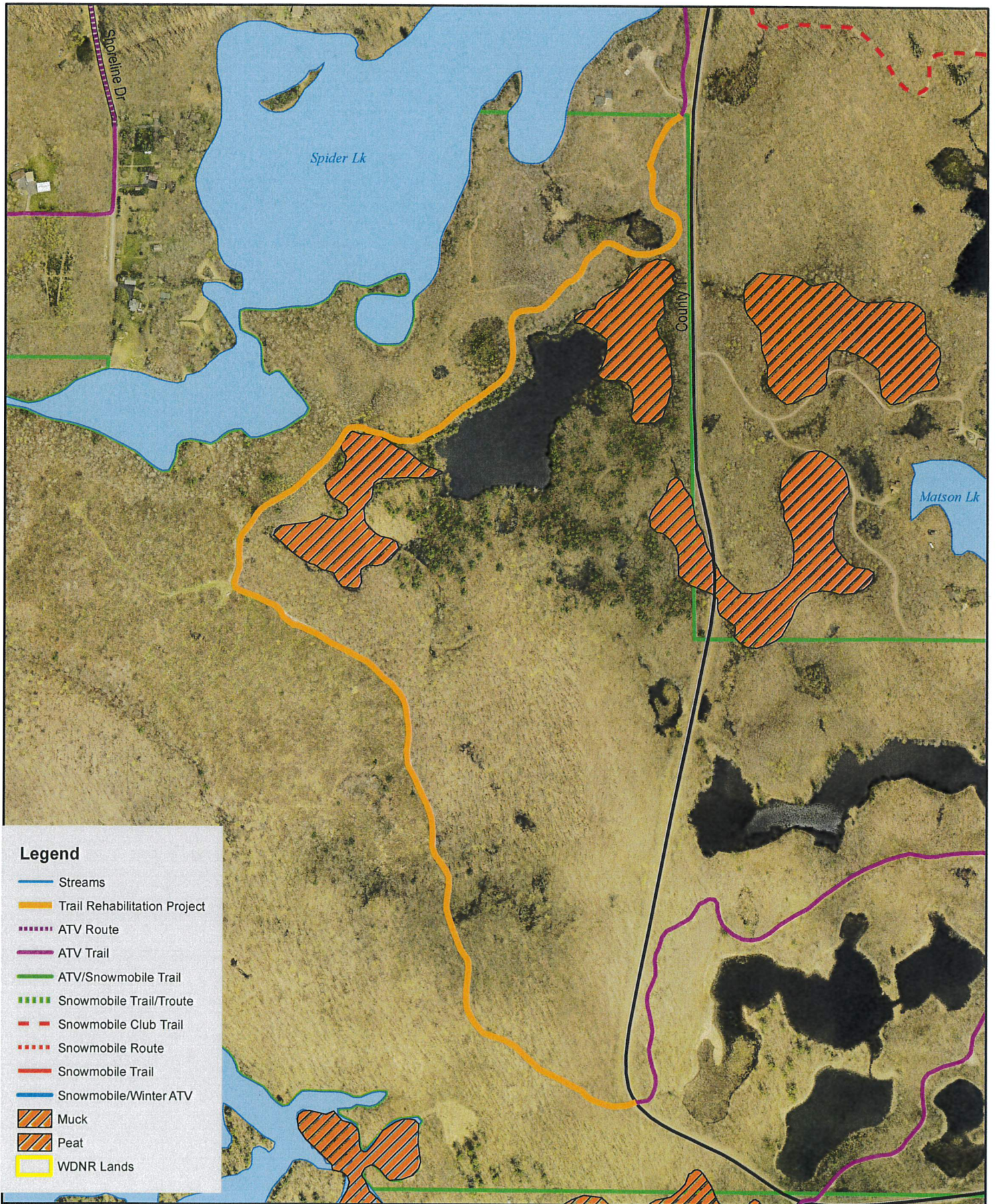


Legend

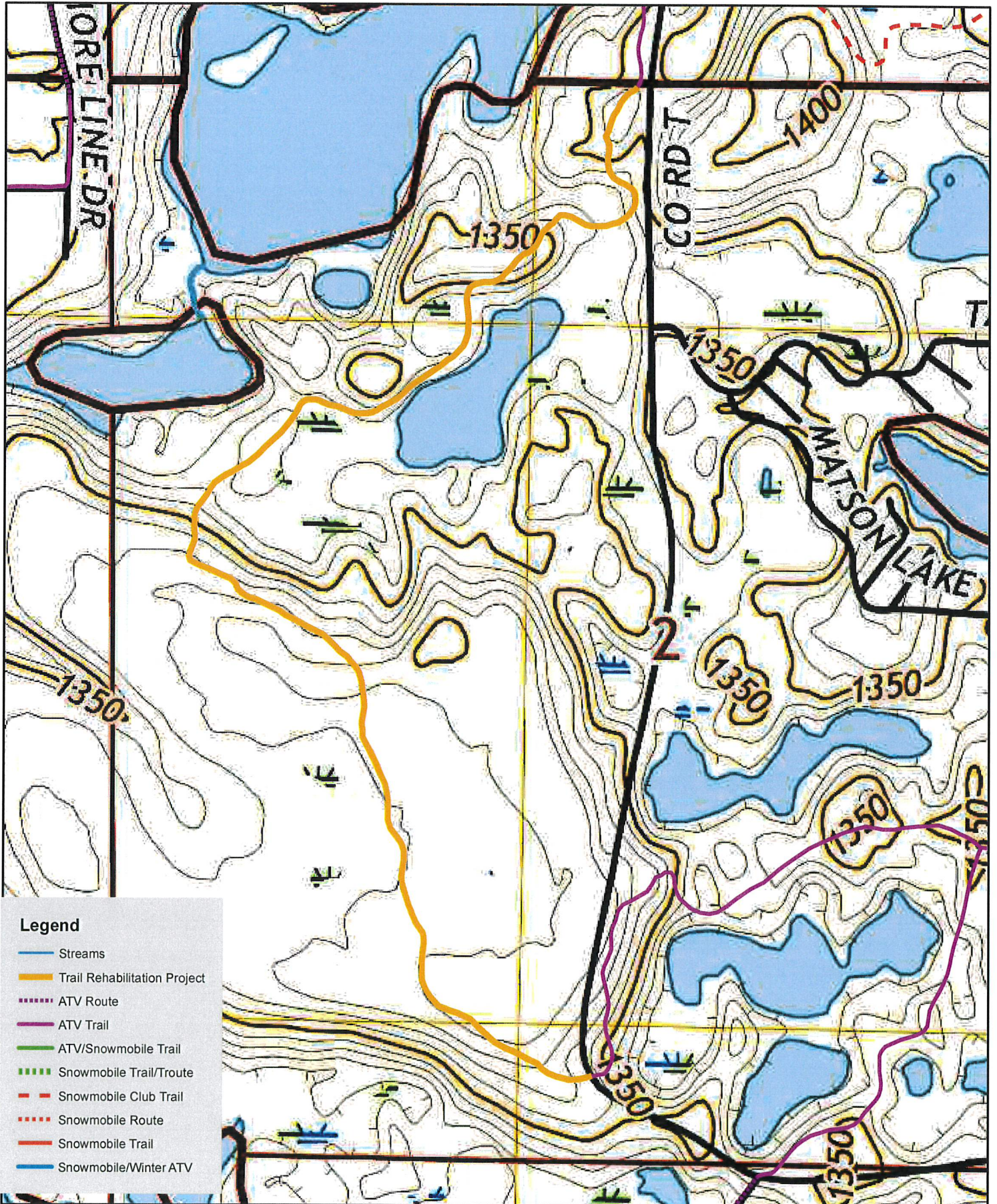
- Streams
- Trail Rehabilitation Project
- ATV Route
- ATV Trail
- ATV/Snowmobile Trail
- Snowmobile Trail/Troute
- Snowmobile Club Trail
- Snowmobile Route
- Snowmobile Trail
- Snowmobile/Winter ATV



Trail 27, Cty T to Cty T - Wetland



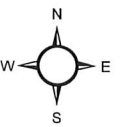
Trail 27, Cty T to Cty T - Topo



Legend

- Streams
- Trail Rehabilitation Project
- ATV Route
- ATV Trail
- ATV/Snowmobile Trail
- Snowmobile Trail/Troute
- Snowmobile Club Trail
- Snowmobile Route
- Snowmobile Trail
- Snowmobile/Winter ATV

0 0.05 0.1 0.2 0.3 0.4 0.5 Miles



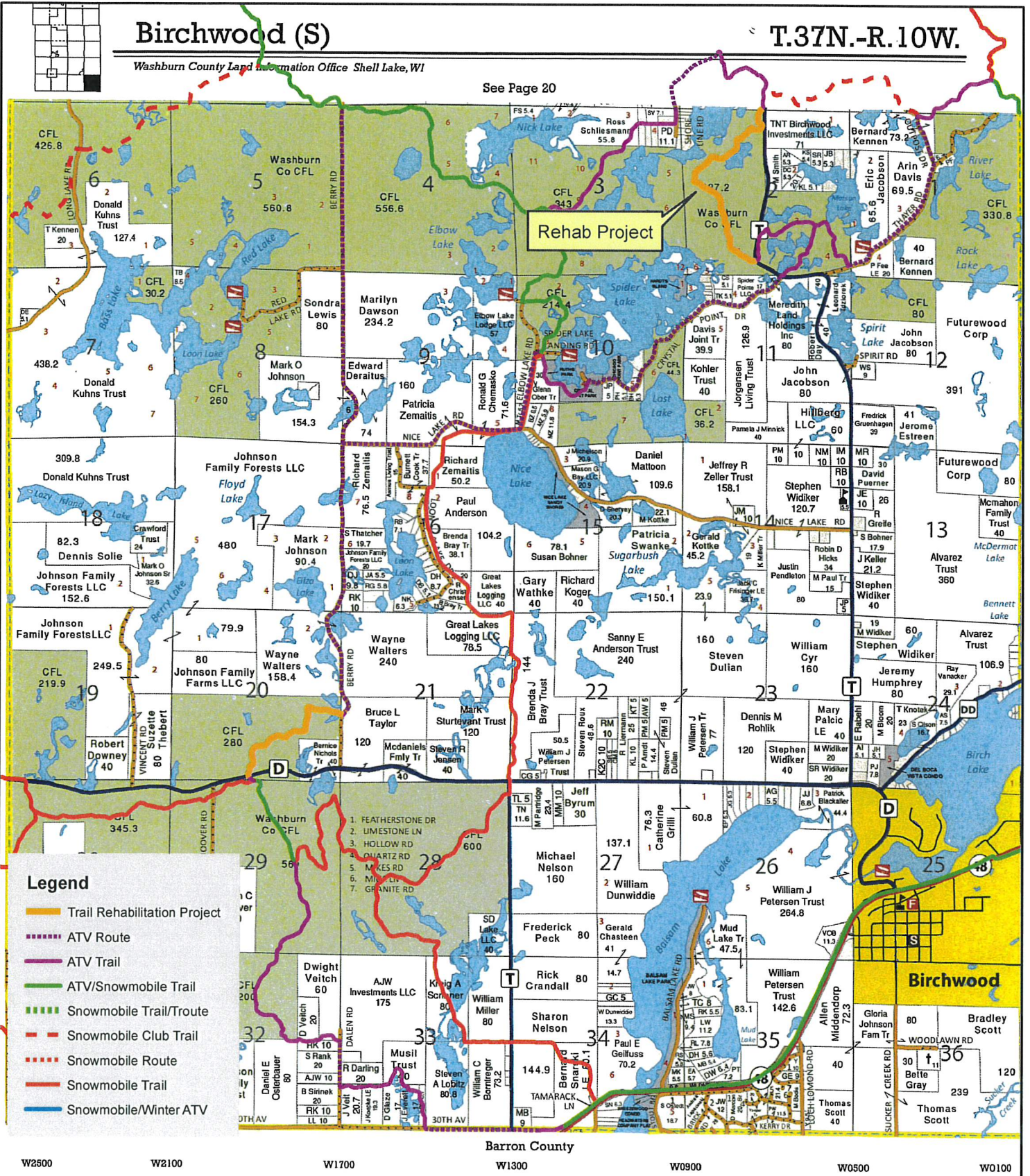
Trail 27, Cty T to Cty T - Plat

Birchwood (S)

T.37N.-R.10W.

Washburn County Land Information Office Shell Lake, WI

See Page 20



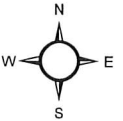
Legend

- Trail Rehabilitation Project
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- Snowmobile Club Trail
- Snowmobile Route
- Snowmobile Trail
- Snowmobile/Winter ATV

W2500 W2100 W1700 W1300 W0900 W0500 W0100

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PROPOSAL

March 30, 2023

To: Washburn County Snowmobile Trail Administrator

Re: Snowmobile Bridge Budget

- 1 - **30' 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 abutments**
 - Loads: **85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load**
 - FOB: **Washburn County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$53,000

• Structure (Steel Truss)	\$25,000
• Engineering	\$4,000
• Soil Testing	\$0
• Site Prep	\$5,000
• Abutments	\$12,000
• Labor	\$5,000
• Rip Rap	\$2,000

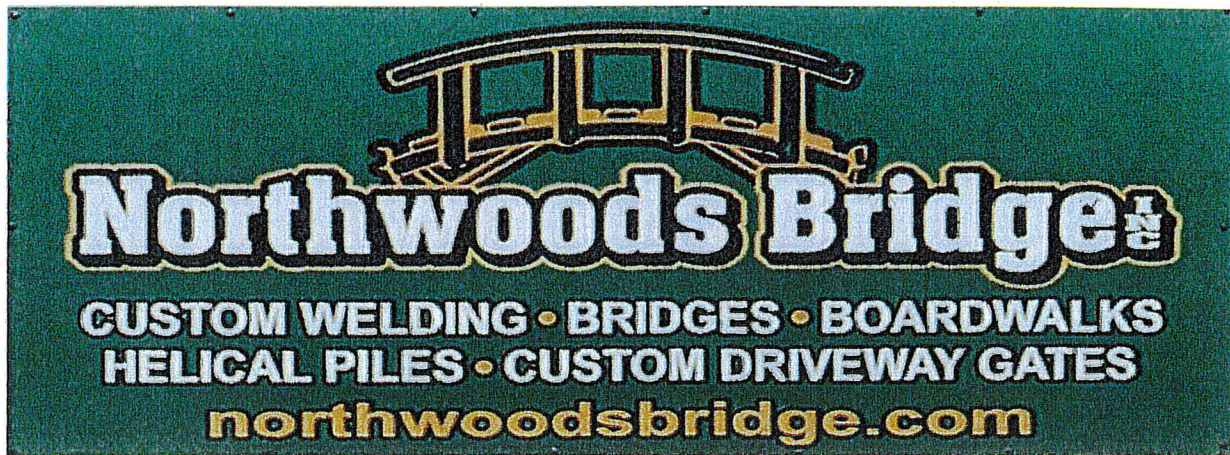
****Deduct \$2,000 for 14,000 lbs. vehicle load****

*****This price is for budgetary purposes only*****

Please call with any questions.

Thank you,

Kory S. Weathers



A Division of Extreme Landscape, LLC

April 7, 2023

I have enclosed the following documentation for a quote on the 25,000 weight rating bridge will be built to state approved engineered drawing 30'x12'.

The bridge will be set on 12' wide sill plates.

Hardware that will be used in the project are:

3"x1/2" galvanized carriage bolts	Engineering: \$5,000
1/2" galvanized washers	Structure: \$21,800
1/2" galvanized nuts	Labor: \$ 9,200
2"x1/2" galvanized bolts	
Grk 5/16"x2 3/4" screws	

The first layer of treated 12x12x12 decking will be bolted down using 3"x1/2" galvanized carriage bolts with 1/2" galvanized washers and 1/2" galvanized nuts, 10 per board.

The second layer of treated 12x12x12 decking will be fastened with Grk 2 3/4": c 15/16" screws 10 per board.

I require 60% down payment to start the project and to order material. The last 40% to be paid when bridge is completed and installed within 30 days.

The manufacture time will not start until down payment has been received.

Pat Hover, Owner
Northwoods Bridge Inc.
715-205-1269



