#17 Douglas Trail 4 / 41 Reroute with Bridge

Motorized Recreation Grant Application

For: (choose all that apply)

- 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.

Section 1: Applicant Information

Applicant / Organization Name

Douglas County Forestry

Individual Authorized to Act on Behalf of Applicant per Resolution

Clint Meyer

Check Recipient: Individual other than authorized individual to act on behalf of the applicant. Select if the same as applicant.

Check Recipient Name (Name to Appear on Check)

Clint Meyer

Title

Park and Recreation Supervisor

Address

PO Box 211

City

Solon Springs State

W1

ZIP Code

54873

Telephone Number

(715) 378-2219

Email Address

clint.meyer@douglascountywi.org

Section 2: Project Information Required for all Projects

Project Title

Douglas County Trail 4/41 reroute and Bridge

Current Funded Miles

345.1/338.2

New Miles (if applicable)

0

County

Douglas

Township

46 N

Range

13 W

Section

31

% %

GPS Coordinates:

Lat.

Long.

Project Description Summary

Douglas County is Requesting to relocate the winter Crossing of Erickson Creek out of a large swamp area 3000 feet to the south to location of an old road bed that used to cross the creek. The abandoned road and the forestry road on the east side of the creek already connect to the existing trail. This request is for the Crossing of the Creek no other trail development is required for this project. The existing Trail and the reroute are the same length so there would be no change in funded miles. This bridge was set in 2013 to replace a bridge that was undercut and an embankment sunk making the bridge unsafe. This is happening again and the pans that the bridge is sitting on are sinking. This Request is being split 50/50 between Snowmobile($85,000.00) and Winter ATV($85,000.00) For a total of ($170,000.00)

Estimate Cost

<table>
<thead>
<tr>
<th>Maintenance</th>
<th>Acquisition</th>
<th>Insurance</th>
<th>Development</th>
<th>Bridge Rehab.</th>
<th>Trail Rehab.</th>
<th>Total Estimated Cost</th>
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<tbody>
<tr>
<td></td>
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<td></td>
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<td>$170,000.00</td>
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<td>$170,000.00</td>
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</table>

Leave Blank – DNR Use Only

Applicant Certification

Printed Name of Authorized Official

Clint Meyer

Official’s Title

Park and Recreation Supervisor

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

Date Prepared

4/13 2022
### Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge

<table>
<thead>
<tr>
<th>County</th>
<th>Township</th>
<th>Range</th>
<th>Section</th>
<th>%</th>
<th>%</th>
<th>GPS Coordinates: Lat. Long.</th>
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</thead>
<tbody>
<tr>
<td>Douglas</td>
<td>46 N</td>
<td>13</td>
<td>31</td>
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</table>

**Water Body Name**

Ericson Creek

**Funded Trail Name or Number (SNARS if applicable)**

Trail 4/41

**Bridge is located on:**
- Private property
- Public property

**Has this bridge site ever received development or rehabilitation funds in the past?**
- Yes
- No

**Year:** 2013

**Old Bridge/Culvert Size:** 12’ x 30’

**New Bridge/Culvert Size:** 12’ x 80’

**Landowner Where Bridge is Located**

**Douglas County Forestry**

**Telephone Number:** (715) 378-2219

**Length of Trail Use Agreement (5 year minimum):**

**Current maximum load:** 14,000 lbs.

**Proposed maximum load:** 25,000 lbs.

**Age of Bridge:** 10

**Bridge Material:** Steel beams with wood Deck

**Sponsoring Club Name**

Amnicon Drift Dodgers

**Club Contact:** Brian Conley

**Telephone Number:** (715) 399-8611

**Do you have your trail bridges posted as to maximum load?**
- Yes
- No

**What is the maximum load of the other bridges on the system if groomed with this bridge?**

14000

**What is the weight of your puller & drag/grading equipment?**

13000

**Winter ATV**

If there are other recreational trail 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?**
- Yes
- No

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**Bridge Project Detailed Description**

Douglas County is Requesting to relocate the winter Crossing of Erickson Creek out of a large swamp area 3000 feet to the south to location of an old road bed that used to cross the creek.
## Appendix A (continued)

### Summarize Costs in Appropriate Categories:

<table>
<thead>
<tr>
<th>Bridge Structure</th>
<th>Quote 1</th>
<th>Quote 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Steel</td>
<td>Wooden</td>
</tr>
<tr>
<td></td>
<td>Wooden</td>
<td>Steel</td>
</tr>
<tr>
<td>Bridge Dimensions:</td>
<td>12'X80'</td>
<td>12'X80''</td>
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<tr>
<td>Bridge Manufacturer:</td>
<td>Anderson</td>
<td>North Woods Bridge</td>
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<tr>
<td>Design Weight Load</td>
<td>25,000 lbs.</td>
<td>25,000 lbs.</td>
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<tr>
<td>Cost of Structure:</td>
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<td></td>
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<tr>
<td>1. Engineering</td>
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<td>$8,000</td>
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<tr>
<td>2. Structure</td>
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<tr>
<td>Subtotal</td>
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<td>$88,000</td>
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<tr>
<td>Installation Costs:</td>
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<td>1. Engineering</td>
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<td>$27,500</td>
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<tr>
<td>2. Site Preparation</td>
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<td>$2,000</td>
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<tr>
<td>3. Abutments</td>
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</tr>
<tr>
<td>4. Pilings/Piers</td>
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<td>$2,000</td>
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<tr>
<td>5. Approaches</td>
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<tr>
<td>6. Riprap</td>
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<tr>
<td>7. Labor</td>
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<td>8. Equipment Rental</td>
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<td>9. Culverts</td>
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<td>10. H &amp; H Study</td>
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<tr>
<td>11. Wetland Delineation</td>
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<tr>
<td>12. Other Gates</td>
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<td>$3,000</td>
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<tr>
<td>Subtotal</td>
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<tr>
<td>Total Cost</td>
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</table>

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

### Entire Deck and Railing Projects

<table>
<thead>
<tr>
<th>Bridge Dimensions:</th>
<th>Contractor</th>
<th>Sponsor</th>
<th>Club</th>
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<tbody>
<tr>
<td>Design Weight Load</td>
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<td></td>
</tr>
<tr>
<td>1. Materials</td>
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<td>2. Labor</td>
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<tr>
<td>Total</td>
<td>$</td>
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<tr>
<td>Item Description</td>
<td>Quantity</td>
<td>Unit of Measure</td>
<td>Component Costs</td>
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<td>New Gate</td>
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**TOTAL**: $170,000.00

**NOTE**: For acquisition projects, complete the Acquisition Project Cost Estimate Section.
2022-2023 Douglas County Trail 4/41
Bridge Request
T46N-R13W-S31

Legend
- New Trail
- Snowmobile Funded Trails
- Winter ATV Funded Trails

Map Prepared By: Clint Meyer
January 19, 2022

To: Douglas County Snowmobile Trail Coordinator

Re: Snowmobile Bridge Budget

1 - 80' 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
   - Deck: #1 Southern Yellow Pine (.40 ACQ)
   - Safety Rails: Horizontal (4" opening)
   - Installation: Steel and/or Concrete Abutments
   - Loads: 85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load
   - FOB: Douglas County, WI
   - Engineered Drawings State Seal: Wisconsin

Price: $124,000

- Structure (Steel Truss) $80,000
- Approaches (Fill) $2,000
- Engineering $8,000
- Site Prep $2,000
- Abutments $20,000
- Labor $10,000
- Rip Rap $2,000

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

Please call with any questions.

Thank you,

Kory S. Weathers
March 28, 2022

I have enclosed the following documentation a quote for the Ericson Creek Bridge 80’x12’
Bridge will be built to a state approved engineered drawing.

Bridge will be free span truss style. Bridge will be set on concrete abutments with helical piles
in the concrete.

This price includes construction and setting of new bridge.

The hardware that will be used in the project are:

- 3” x ¼” galvanized carriage bolts
- ¾” galvanized washers
- ¾” galvanized nuts
- Grk 5/16” x 2 ¾” screws

The first layer of treated 2x12x12 decking will be bolted down using 3” x ½” galvanized carriage
bolts with ½” galvanized washers and ½” galvanized nuts 10 per board.

The second layer of 2x12x12 treated decking will be fastened with Grk 2 ¾” x 5/16” screws 10
per board. Welding standards.

The bridge railings will be constructed from core 10 structural steel and will be welded to D1.1
welding standards.

I require 60% down payment to start the project and to order materials. 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.
My proposal for this project is

$344,968.00

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