

## NM-026 Douglas Trail 3

State of Wisconsin  
 Department of Natural Resources  
[dnr.wi.gov](http://dnr.wi.gov)

### Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 03/22)

Page 1 of 5

**Due Date: April 15**

ATV/UTV Trail Aid

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.).

**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 Douglas County Forestry				Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input checked="" type="checkbox"/> Select if the same as applicant.			
Individual Authorized to Act on Behalf of Applicant per Resolution Clint Meyer				Check Recipient Name (Name to Appear on Check) Clint Meyer			
Title Park and Recreation Supervisor				Title Park and Recreation Supervisor			
Address PO Box 211				Address PO Box 211			
City	State	ZIP Code	City	State	ZIP Code	City	State
Solon Springs	WI	54873	Solon Springs	WI	54873	Solon Springs	WI
Telephone Number (715) 378-2219			Email Address clint.meyer@douglascountywi.org				

#### Section 2: Project Information Required for all Projects

Project Title Douglas County Trial 3 Development					Current Funded Miles 345.1	New Miles (if applicable) 5.5
County	Township	Range	Section	1/4 1/4	1/4	GPS Coordinates: Lat. _____ Long. _____
Douglas	43 N	13	<input type="radio"/> E <input checked="" type="radio"/> W			

#### Project Description Summary

**New Snowmobile Funding Request #1**

Douglas County Proposes to add 5.5 miles to our trail network. 2.2 miles of this is already a funded Winter ATV trail. Douglas county would like to develop a safer crossing of Cranberry Lake Road and reconnect to the existing trail 3. This new section is 800 long and would require removing tree and stumps shaping the trail, gate installation and signing. This project would require a new bridge be constructed over Cranberry Creek.

The maintenance will include: Mowing, Grading, Brushing, Sign Replacement, Winter Grooming (Class AAA-2), Plowing of Parking Lots, and Litter Clean Up.  
 This Request is being split 50/50 between Snowmobile(\$88,507.5) and Winter ATV(\$88,507.5) For a Development total of (\$ 177,015.00)

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

#### Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
\$1,650.00			\$10,015.00	\$167,000.00		\$178,665.00

Leave Blank – DNR Use Only						

#### Applicant Certification

Printed Name of Authorized Official Clint Meyer	Official's Title Park and Recreation Supervisor
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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

4-13-2022  
 \_\_\_\_\_  
 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 Douglas	Township 43 N	Range 12	<input type="radio"/> E <input checked="" type="radio"/> W	Section 19	¼ ¼ NW	¼ NW	GPS Coordinates: Lat. Long.
Water Body Name cranberry creek				Bridge Name			County Inventory Number
Funded Trail Name or Number (SNARS if applicable)				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 _____			
Landowner Where Bridge is Located Brule River LLC				New Bridge/Culvert Size _____		Telephone Number _____	
Current maximum load _____ lbs.				Age of Bridge _____		Length of Trail Use Agreement (5 year minimum) Conservation Easement	
Proposed maximum load _____ lbs.				Bridge Material _____			
Sponsoring Club Name 4 Seasons Recreational club				Club Contact _____		Telephone Number _____	
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?			
What is the weight of your puller & drag/grading equipment?							
What other recreational trail uses are planned for this bridge? Snowmobile and Winter ATV							
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**

This Trail segment has been utilizing a very old bridge that the county has no history on. With the Development of the new trail section The county would also like to place a new bridge over Cranberry Creek. The location of the bridge is on private land that is part of a State of Wisconsin permanent Conservation Easement. The bridge would be a clear span steel truss bridge with a wood deck.

**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:		80' X 12'	80' X 12"
Bridge Manufacturer:	Anderson		Northwoods Bridge INC.
Design Weight Load		25,000 lbs.	_____ lbs.
Cost of Structure:	1. Engineering	\$ 8,000	\$ _____
	2. Structure	\$ 80,000	\$ 344,968
	<b>Subtotal</b>	<b>\$ 88,000</b>	<b>\$ 344,968</b>
		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
<b>Installation Costs:</b>			
1. Engineering		\$ 27,500	\$ 27,500
2. Site Preparation		\$ 2,000	\$ _____
3. Abutments		\$ 20,000	\$ _____
4. Pilings/Piers		\$ _____	\$ _____
5. Approaches		\$ 2,000	\$ _____
6. Riprap		\$ 2,000	\$ _____
7. Labor		\$ 10,000	\$ _____
8. Equipment Rental		\$ _____	\$ _____
9. Culverts		\$ _____	\$ _____
10. H & H Study		\$ 12,500	\$ 12,500
11. Wetland Delineation		\$ 3,000	\$ 3,000
12. Other _____		\$ _____	\$ _____
	<b>Subtotal</b>	<b>\$ 79,000</b>	<b>\$ 43,000</b>
	<b>Total Cost</b>	<b>\$ 167,000</b>	<b>\$ 387,968</b>

**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
Bridge Dimensions:	_____	
Design Weight Load	_____ lbs.	
1. Materials	\$ _____	
2. Labor	\$ _____	
<b>Total</b>	<b>\$ _____</b>	

**Appendix B – Required for Trail/Qualified Troute Rehab, Reroute, or Development**

Trail Rehab     Qualified Troute     New Trail     Trail Reroute (Mandatory or Discretionary)

County	Township	Range	<input type="radio"/> E <input checked="" type="radio"/> W	Section	¼ ¼	¼	GPS Coordinates: Lat. Long.
Douglas	43 N	12		19	NW	NW	
Funded Trail Name or Number (SNARS if applicable)				Has this trail ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No    Year: _____ \$ _____			

Trail is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property	Length of Easement or Landowner Use Agreement DNR Conservation Easement    years	Expiration Date
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Landowner Where Trail is Located Brule River LLC.	Telephone Number
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What other recreational trail uses are planned for this trail?  
Winter ATV  
If there are other Recreational uses planned, how much of the trail development/rehab. cost will be paid for by other users?

How many miles would be affected if this project is not funded? 5.4	Will this result in closure of a trail? <input type="radio"/> Yes <input checked="" type="radio"/> No
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Is this a critical section to the overall trail system? <input type="radio"/> Yes <input checked="" type="radio"/> No	Is there a reasonable alternative? Not at this time
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Does any section of this trail contain a bridge? <input checked="" type="radio"/> Yes <input type="radio"/> No	Will this bridge require rehabilitation now or in the next few years? <input checked="" type="radio"/> Yes <input type="radio"/> No	What is the weight of your puller & drag/grading equipment? 12,000    lbs.
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- 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    Will this project be located near or cross any intermittent or perennial waterway? [Surface Water Data Viewer](#)
- Yes     No    Will this project be located near or cross any wetland?
- Yes     No    Will this project involve land disturbance – including clearing and grubbing – of 1 acre or more of land? (Less than 4/10th mile for a typical trail) [DNR Storm Water Contact List](#)

**Trail Project Detailed Description**  
The County is asking to construct a new section of trail 800' Long to cross perpendicular to Cranberry Lake Road and connect to the existing trail. This new section of trail would eliminate a 90 degree corner at the intersection that and make for a much safer crossing of Cranberry Lake Road. It would then be Necessary to Install a new Bridge across Cranberry creek. After the Bridge Crossing the rest of the trail is already developed. The Existing Bridge Has been in place and has been utilized as a recreation trail for almost 30 Years. There is no history on the bridge and it needs to be replaced.

## New Trail Ranking and Certification Worksheet

County:   Douglas   Segment Name/Trail #:   Trail 3    
 Date of Application:   4/7/2022   Miles Requested:   5.5  

Qualifications – All items in this worksheet must be completed for new miles request, and submitted with a copy of the Motorized Recreation Grant Application 8700-159 for each new trail. Each trail must be submitted separately. All items in this section must be completed for valid new trail maintenance funding request – incomplete applications will be denied.

Any rehabilitation funding requests should be included at this time on form 8700-159. Trails must be in the funded system for at least 10 years before they are eligible to receive rehab grants, so it is important to include rehabilitation needs now. (NR 50.09 (4) (g))

Gateways questions: Provide justification for selection below.	
<input checked="" type="checkbox"/> 1. Trail provides primary access route through a county and connects with another county's trails. <input checked="" type="checkbox"/> 2. Trail provides access from population centers to main access trail(s). <input checked="" type="checkbox"/> 3. Trail supports a high volume of use. <input checked="" type="checkbox"/> 4. Trail is separate from the road surface, marked and groomed as a snowmobile trail. Plowed roads do not qualify as a funded off-road trail. (s. 350.01 (16) and (17) Wis. Stats.)	
Maps attached <i>(All are required)</i>	<input checked="" type="checkbox"/> Provide GIS file (shapefile, etc) of county trail system with the requested trail segments included.  <input checked="" type="checkbox"/> Provide countywide trail system map (printed/PDF) with the requested trail segments identified. <i>(Map should show how the requested new mile segment fits into the trail system, and what it connects to.)</i>  <input checked="" type="checkbox"/> Provide aerial/topographical map (printed/PDF) for each segment. <i>(Map should show a more detailed view of the trail, but still clear on trail location and connections).</i>
<input type="checkbox"/> I certify that this trail meets or will meet all trail requirements in chs. 23 & 350, Wis. Stats. and ch. NR 50, Wis. Admin. Code <ol style="list-style-type: none"> <li>1. Minimum graded width for one-way trails is 6 feet and maximum 8 feet.</li> <li>2. Minimum graded width for two-way trails is 10 feet and maximum 12 feet.</li> <li>3. Minimum turning radius is 25 feet.</li> <li>4. Minimum cleared height above trail is 10 feet.</li> <li>5. Sustained grades and slopes will be a maximum of 25%.</li> <li>6. Approved, fully reflectorized snowmobile signs must be used.</li> <li>7. Snowmobile trails shall not be routed over bodies of water. If stream crossings make bridging necessary, bridges should be at least 8 feet wide. If the bridge is located on an abandoned railroad grade, the bridge shall be a minimum of 10 feet wide free from obstruction.</li> </ol>	
Justification <i>(Required)</i> – Provide narrative description of the new trail with explanation for gateway qualification checked (#1, 2 or 3 above). This trail has been a club trail for many years and connects with a Corridor trail. This trail provides access to 6 businesses providing food, and the only gas in the area. The 4 season Recreational Club also uses this trail to connect with the other funded trails they maintain. This trail segment experiences high snowmobile traffic since it is the only gas stop for travelers coming from the Gordon area to the north and Webb Lake area from the South.	

Water Crossings (**Required**) - Does the requested trail segment include any bridges, culverts or water crossings? If so, Describe. If not, indicate none. *Bridge structures should be added to the county's snowmobile bridge inventory if not already included.*  
*This new trail request is also requesting the replacement of an old bridge over Cranberry Creek*

**Ranking**

	Category	Possible Points	Actual Points
1.	Trail Longevity ( <i>If multiple scenarios along the trail, lowest point situation applies. County must provide copy of easements/LUAs with application if &gt;0 pnts, if not on public land.</i> )	Max points: 3	
	Trail segment is located on public land or private land with permanent deeded easement.	3	
	Trail segment on private lands with land-use agreement (LUA) of 10 years or more.	2	2
	Trail segment is on private lands with LUA of 5 to 9 years.	1	
	LUA of less than 5 years.	0	
2.	Trail System ( <i>choose one</i> )	Max points: 3	
	Trail segment connects <u>directly</u> to one or more neighboring county or state trails.	3	
	Trail closes a gap between two existing funded trail segments, <b>or</b> extends existing funded trail 10 or more miles – excludes routes.	2	2
	Trail segment is a part of the basic county trail system.	1	<del>1</del>
	Trail is isolated and does not connect to the county trail system.	0	
3.	The trail segment is in the following area of mean annual snowfall <a href="#">Mean Snowfall Map per County</a> (Source: Midwestern Climate Center)	Max points: 3	
	Greater than 60 inches	3	3
	48 – 60 inches	2	
	Less than 48 inches	1	
4.	The ratio of miles of trail to total square miles of land within the county: <a href="#">Snowmobile Trail Area Ratio per County</a>	Max points: 3	
	The ratio is within the grouping 01% - 30%	3	3
	The ratio is within the grouping 31% - 40%	2	
	The ratio is within the grouping 41% - 50%	1	
	The ratio is in a grouping of over 50%	0	
5.	Trail segment will be groomed with the following equipment. ( <i>choose one</i> )	Max points: 2	
	Class A-1, A-2 includes AAA and AA	2	2
	Class A-3, A-4 includes AAA and AA	1	
	Class B or C	0	
6.	County snowmobile trail coordinator priority points. <b>Note: County is allowed 2 points maximum for ALL trail segments submitted.</b>	Max points: 2	
	High priority.	2	2
	Medium priority.	1	
	No priority.	0	
7.	<b>Deductions if trail segment contains any of the following:</b> ( <i>check all that apply</i> )	Max deduction: -8	
	New bridge, major bridge rehab or major trail rehab	-3	-3
	Trail segment is parallel (within 5 miles) to another funded segment	-3	-3
	Trail runs to a body of water. ( <i>no deduction for use of a bridge to cross</i> )	-2	
(Maximum Points: 16) <b>TOTAL</b>			<del>16</del> <b>8</b>

**Please verify that all sections of this form have been completed, and all required attachments included prior to submittal. Incomplete applications will be denied.**

Guidelines for Applicant

Complete this form for each new bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points other than the actual easements.

	Category	Possible Points	Actual Points
1	<b>Permits</b> (maximum points 10)		
	Consultation with DNR Water Mgmt Specialist has occurred and permit is likely	5	5
2	<b>Project Location</b> (maximum points 10)		
	Project is located on public land	10	
	Project is located on private land	5	5
3	<b>Funding</b> (maximum points 5) Are other funds already committed?		
	50% or greater from other funding source(s)?	5	
	11% - 49% from other funding source(s)?	3	
4	<b>Length of Written Easements</b> (max points 17)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal) (with a written agreement) DNR Easment	17	17
	20 years or more on private land or other public land	15	
	10-19 years on private land or other public land	12	
	6-9 years on private land or other public land	10	
	3-5 years on private land or other public land	5	
5	<b>Type of Trail</b> (maximum points – 10)		
	Corridor trail	10	
	Non-corridor trail	8	8
6	<b>Miles Impacted</b> – How many miles will need to be rerouted if the structure is not replaced? (maximum points – 20)		
	1-5 miles	5	5
	6-10 miles	10	
	Over 10 miles	15	
	Unable to Reroute. Explain:	20	
7	<b>Long term Cost of Structure</b> (maximum points - 25) Calculate total application cost / number of miles impacted = cost per mile.		
	\$1,000 - \$2,500/mile	25	
	\$2,501 - \$5,000/mile	20	
	\$5,001 - \$10,000/mile	15	
	\$10,001 - \$20,000/mile	10	
	\$20,000 and over	5	5
	<b>DEDUCTIONS</b>		
8	<b>County Active Project Deduction</b> (maximum deductions 10 points) A snowmobile active project is one that has exceeded it's initial grant period.		
	One active project - deduct 5 points	-5	
	More than one active project - deduct 10 points	-10	
9	<b>Incomplete Application Deduction (Identified by CSS)</b>	-10	
	<b>Optional Additional Points</b>		
10	County Coordinator Priority Points (10 pts per County)	10	10
	<b>GRAND TOTAL</b>		55





**ANDERSON**  
B R I D G E S

111 Willow Street  
Colfax, WI 54730  
(715) 962-2800  
FAX: (715) 962-2801

# PROPOSAL

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

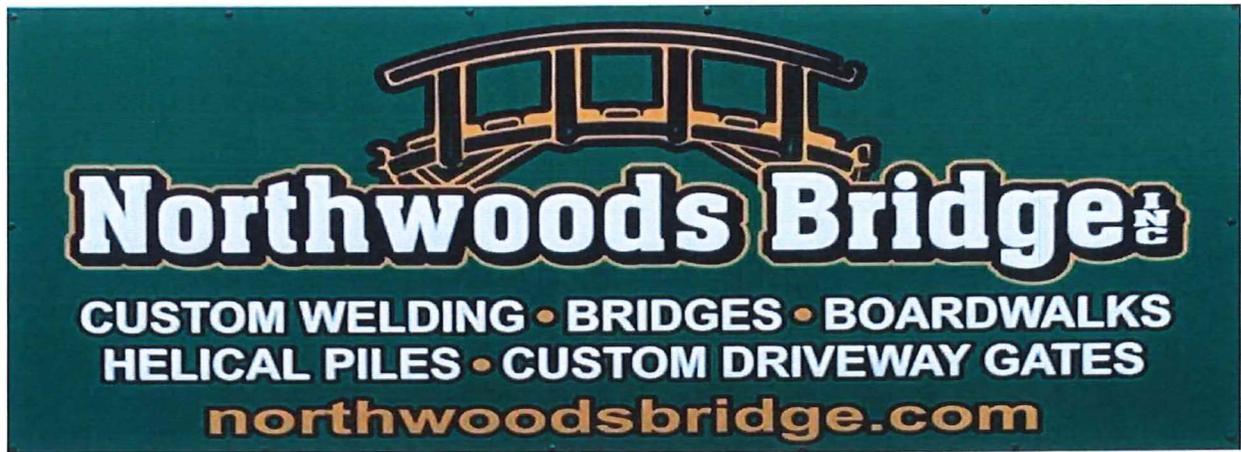
- **Structure (Steel Truss) \$80,000**
- **Approaches (Fill) \$2,000**
- **Engineering \$8,000**
- **Site Prep \$2,000**
- **Abutments \$20,000**
- **Labor \$10,000**
- **Rip Rap \$2,000**

\*\*\*\*\*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 Cranberry Creek Bridge 80''x12' clear span bridge set on concrete abutments.

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 removing old bridge and piles and construction and setting of new bridge.

The hardware that will be used in the project are:

- 3" x ½" galvanized carriage bolts
- ½" galvanized washers
- ½" 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

TOWN AND ZIP CODE

WASCOFF W.I.

CREANBURY LAKE RD. WASCOFF W.I.

DATE OF PLANS

4-4-22

JOB PHONE

hereby submit specifications and estimates for:

TO Stump and pile brush on land to be  
 burned in the winter To straighten TRAIL OUT  
 TO ROAD PUT 1 culvert in by CREANBURY LAKE ROAD  
 LEVEL TRAIL AT LEAST 14 FEET WIDE AND GRADE  
 GET PERMIT FROM TOWN OF WASCOFF FOR TRAIL ENTRANCE  
 PUT culvert in.

TRAIL EQUIPMENT 6615.00  
 PUT CULVERT & PERMIT 950.00  
 BURN BRUSH & STUMPS + BUSHES 750.00  
8315.00

I propose hereby to furnish material and labor - complete in accordance with above specifications, for the sum of:

Thousand Three hundred fifteen dollars (\$ 8,315 )  
 be made as follows:

Material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications or extra costs will be executed only upon written orders, and will become an extra over and above the estimate. All agreements contingent upon strikes, accidents or other causes to occur fire, tornado and other necessary insurance. Our

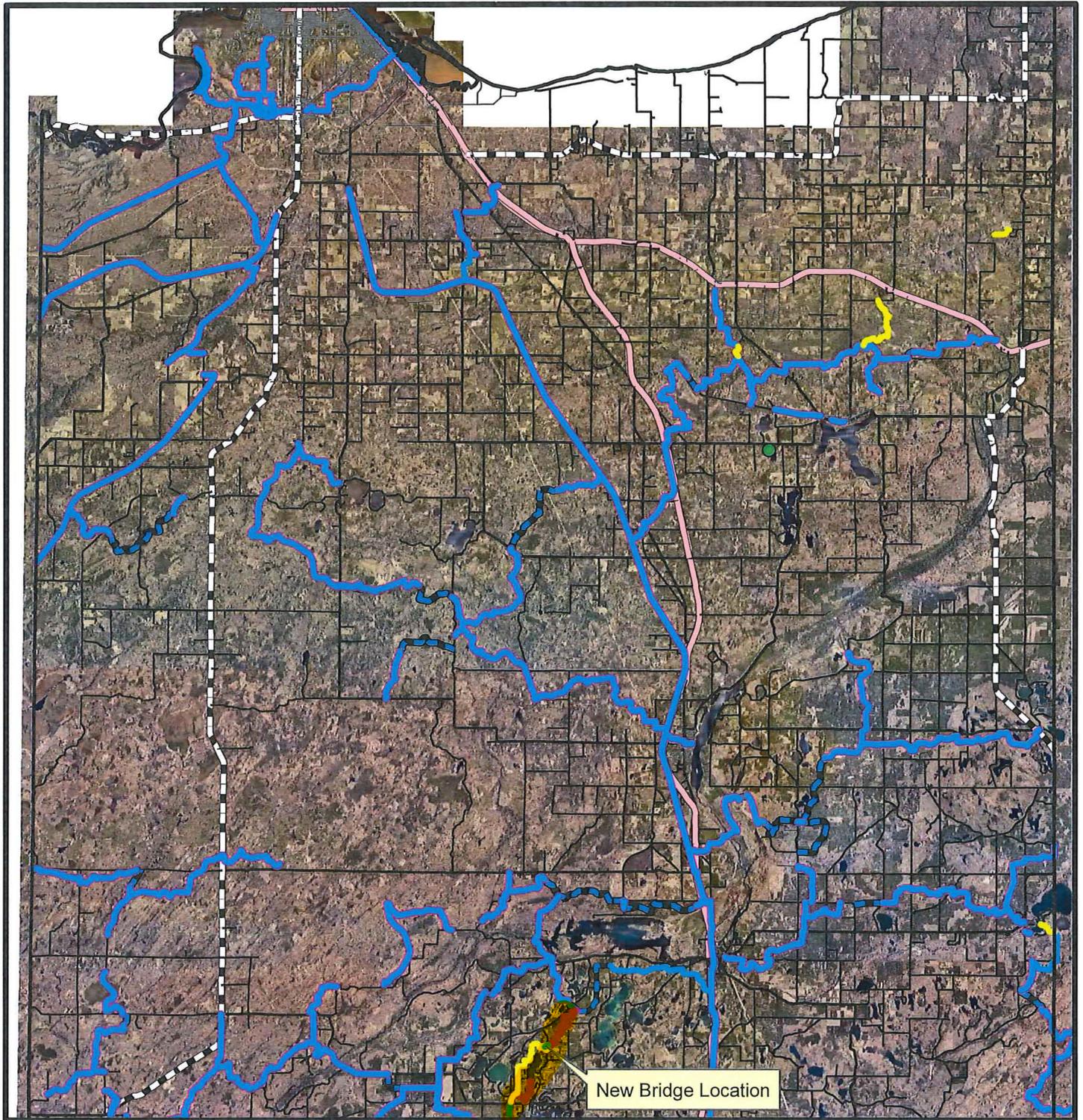
Authorized Signature

*Steve M. Baker*

Note: This proposal may be

withdrawn by us if not accepted within 180 days

# 2022-2033 Douglas County Trail 3 Development New Miles Request T43N-R12W-S19

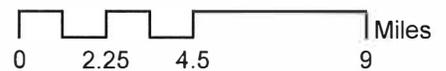


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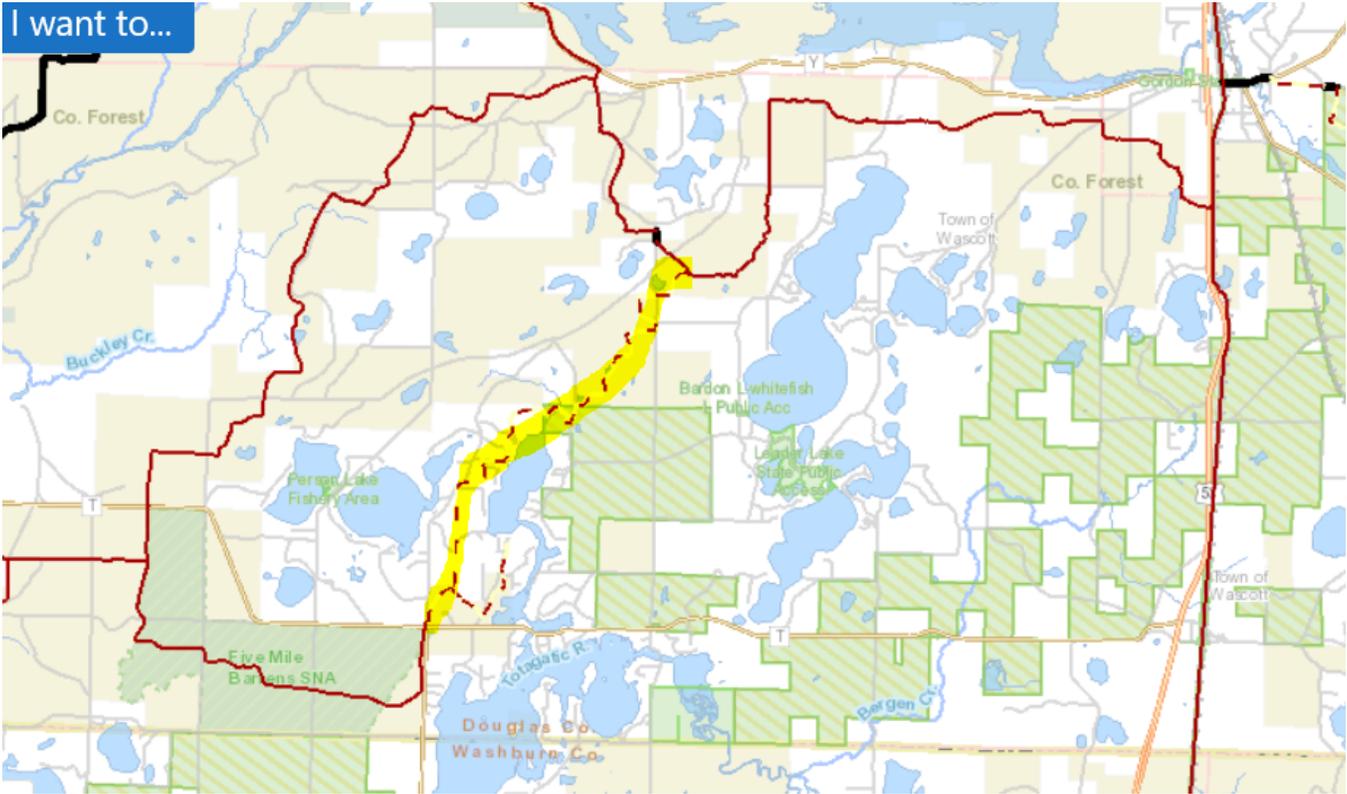
-  New Trail Development
-  Existing Trail
-  Winter ATV Funded Trails
-  Snowmobile Funded Trails



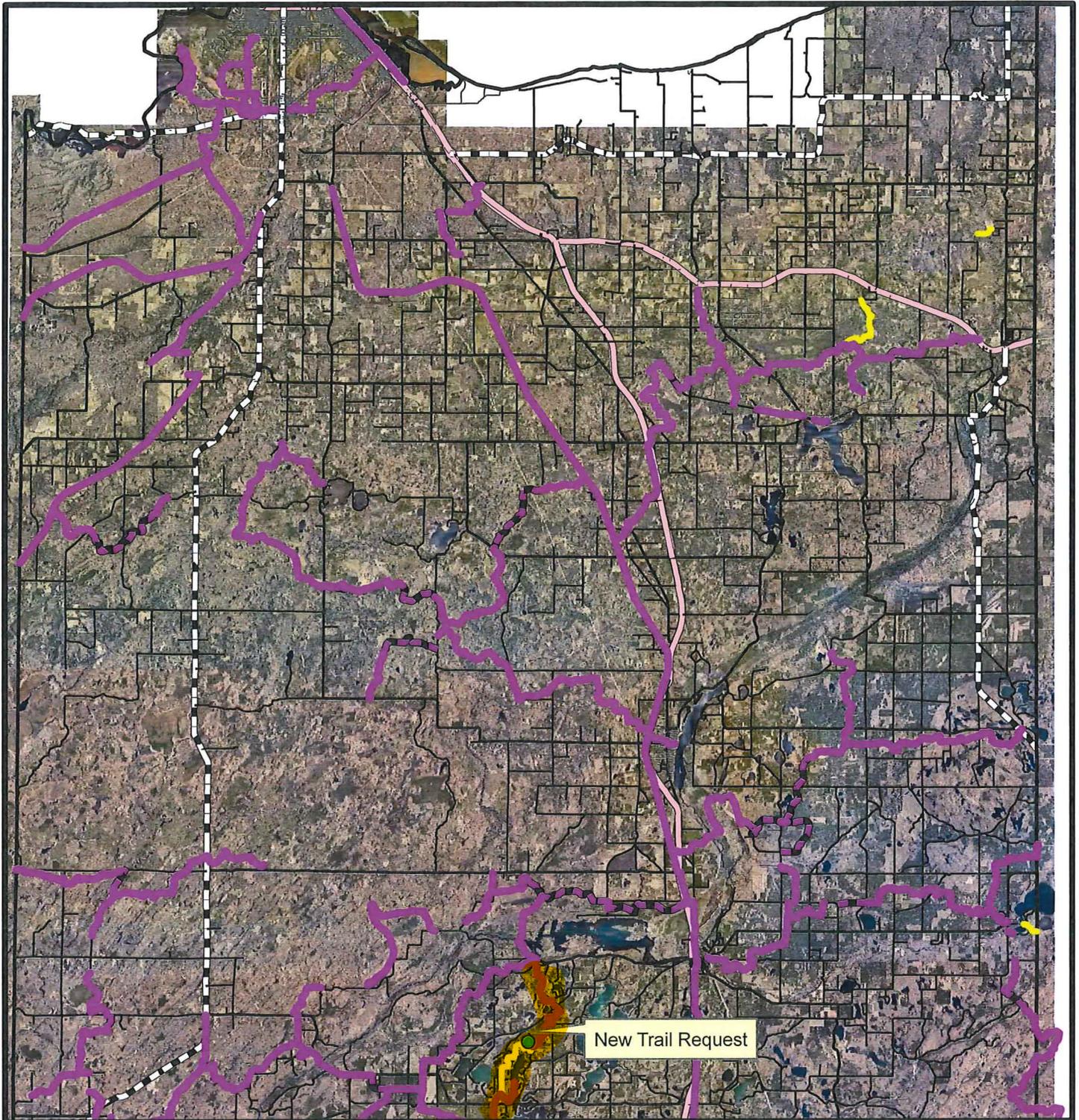
Map Prepared By: Clint Meyer



I want to...



# 2022-2023 Douglas County Trail 3 Development New Miles Request T43N-R12W-S19

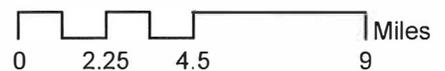


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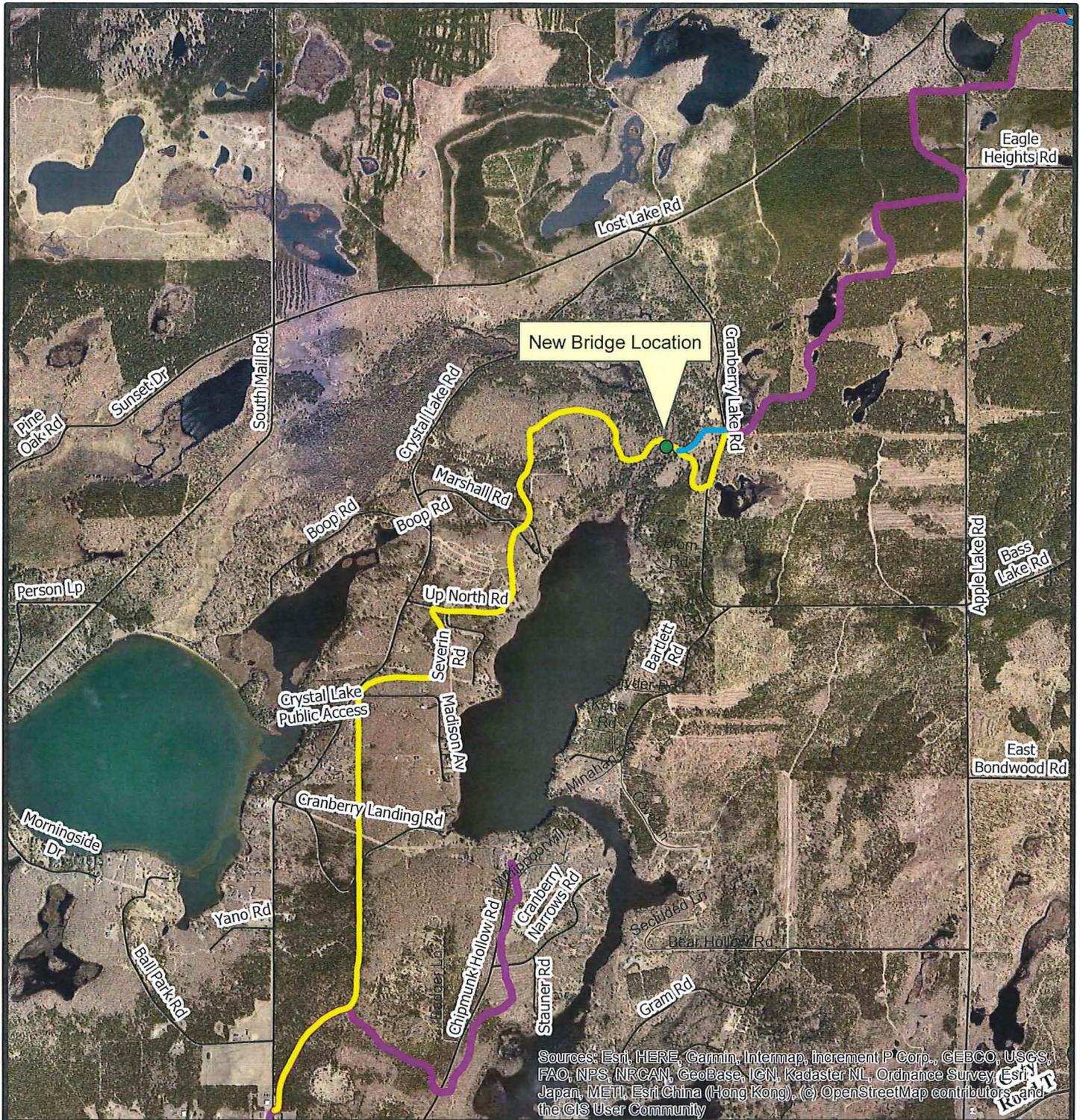
- Winter ATV Funded Trails
- Existing Trail
- New Trail Development
- Winter ATV Funded Road Routes



Map Prepared By: Clint Meyer



# 2022-2023 Douglas County Trail 3 Development New Miles Request T43N-R12W-S19



## Legend

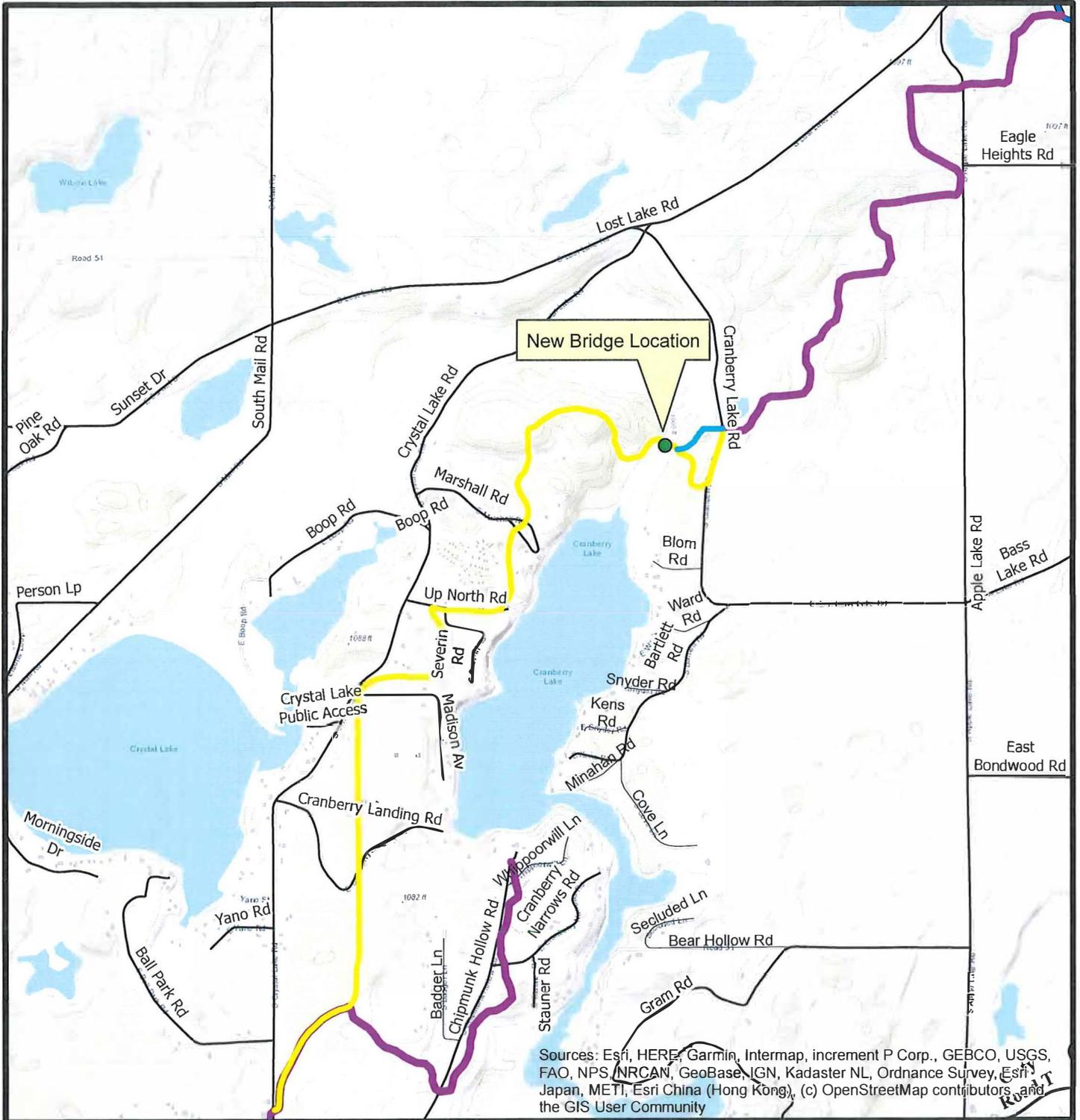
- New Trail Development
- Existing Trail
- Winter ATV Funded Trails



Map Prepared By: Clint Meyer



# 2022-2023 Douglas County Trail 3 Development New Miles Request T43N-R12W-S19

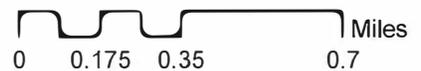


## Legend

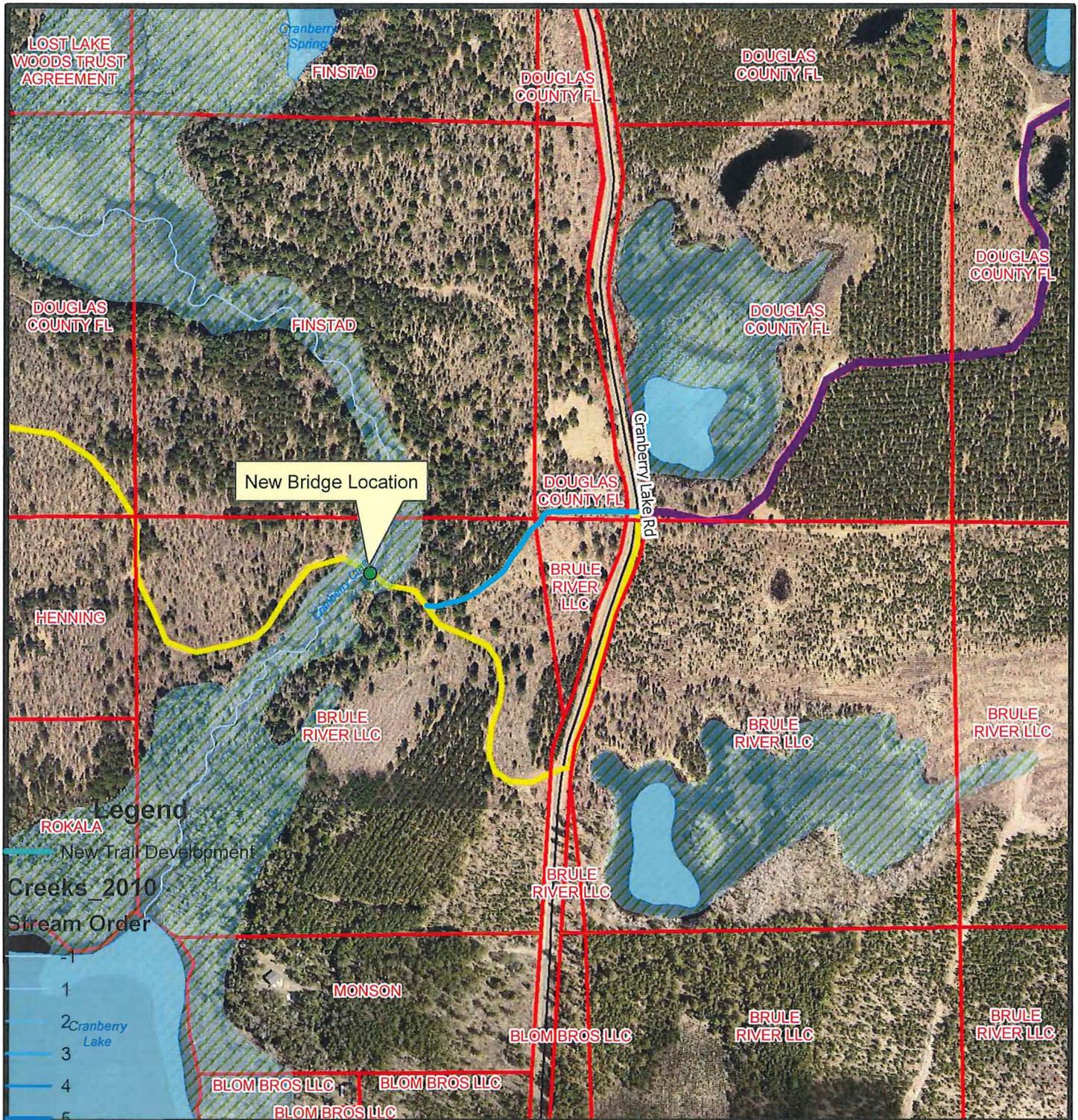
- New Trail Development
- Existing Trail
- Winter ATV Funded Trails



Map Prepared By: Clint Meyer



# 2022-2023 Douglas County Trail 3 Development New Miles Request T43N-R12W-S19



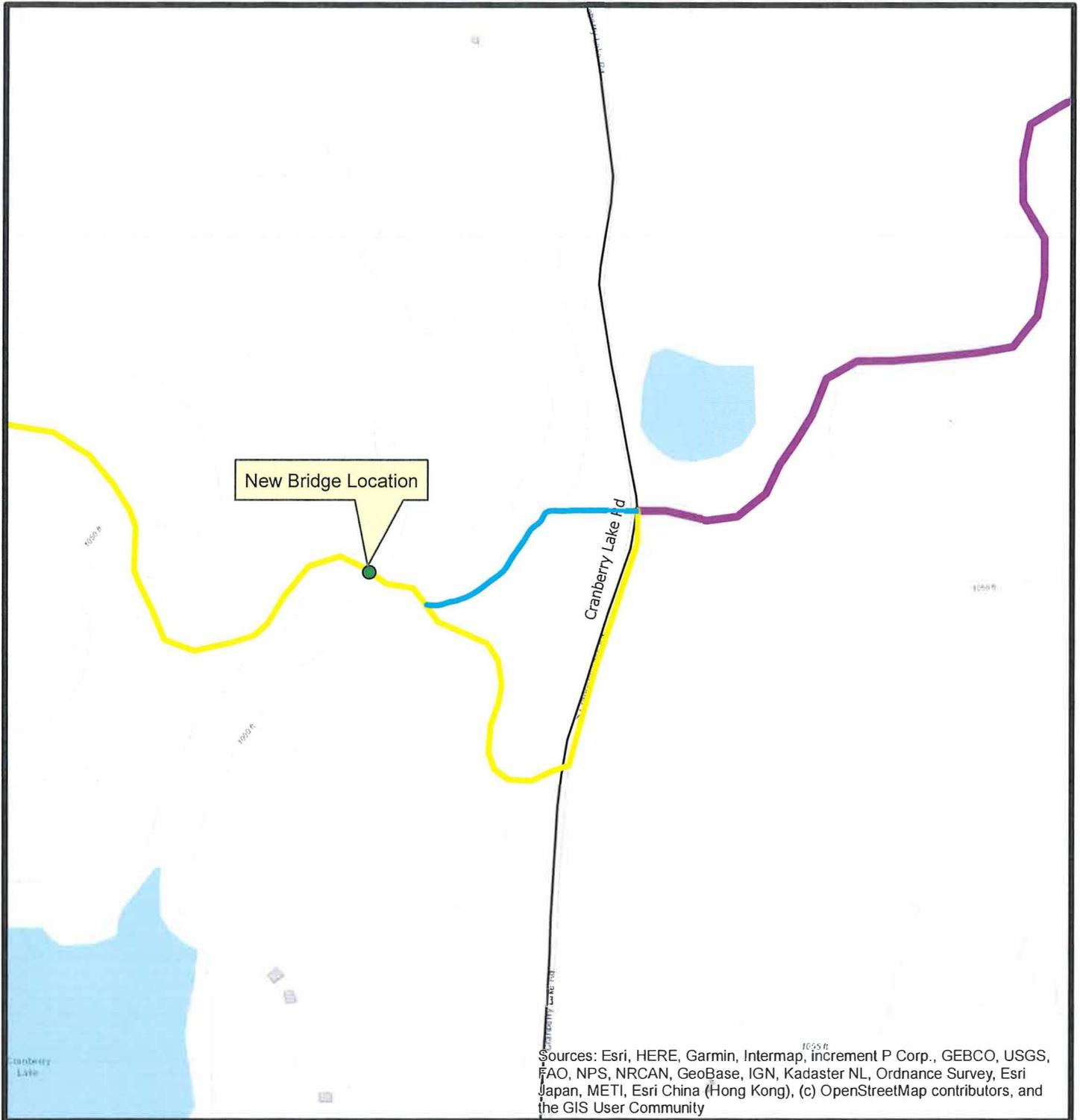
- Lakes\_2010
- Wetlands
- Existing Trail
- Winter ATV Funded Trails



Map Prepared By: Clint Meyer



# 2022-2023 Douglas County Trail 3 Development New Miles Request T43N-R12W-S19



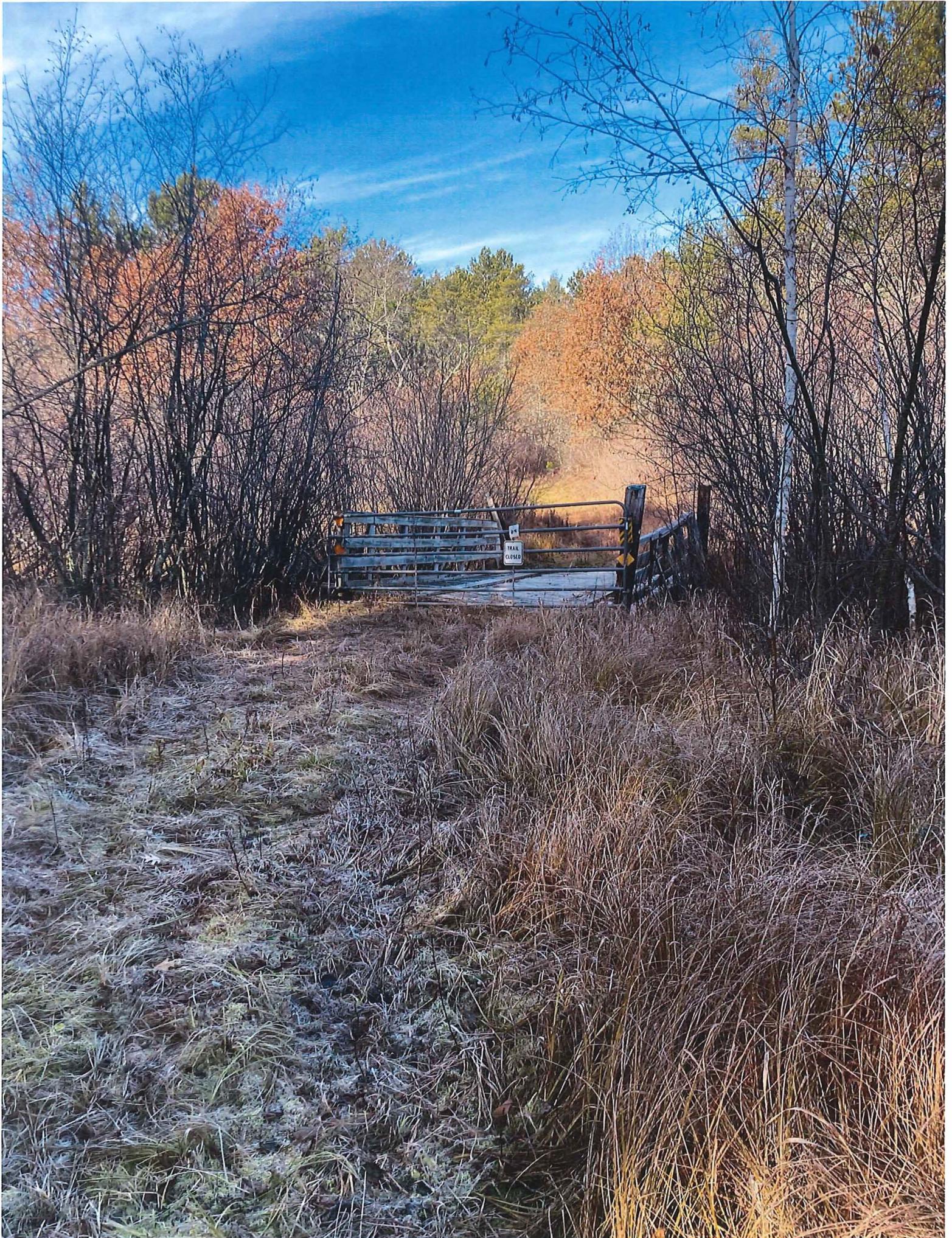
## Legend

-  New Trail Development
-  Existing Trail
-  Winter ATV Funded Trails



Map Prepared By: Clint Meyer





Todd Gibbon  
Long Island Engineering LLC  
201 Maple Ridge  
Ashland, WI 54806



April 5, 2022

Clint Meyer  
Resource & Recreation Manager  
Douglas County Forestry Department  
9182 East Hughes Avenue  
Solon Springs, WI 54873

Mr. Meyer:

Thank you for the opportunity to provide professional services for the Cranberry Bridge Snowmobile and ATV trail project.

### **Project Overview**

We understand that Cranberry Bridge is recreational trail crossing Cranberry Creek. The river is an unnumbered A Zone Floodplain. There are also wetlands associated with the project area. WESLIE Engineering Group has developed the following work plan to perform required wetland delineations, floodplain modeling, and prepare bidding documents for a public and competitive bid. We also understand that a separate bridge designer will be contracted for the bridge design.

### **Work Plan**

<b>Task 1</b>	<b>Site Survey and Data Collection</b>	<b>\$3,500</b>
	Collect topographic survey of the bridge, embankment, and adjacent work area. Conduct field visit to collect measurements for stream channel typical section.	
<b>Task 2</b>	<b>Wetland Delineation</b>	<b>\$3,000</b>
	Complete a wetland delineation of project area. Create wetland delineation report and obtain concurrence from WDNR.	
<b>Task 3</b>	<b>Site Visit and Permitting Strategy</b>	<b>\$3,000</b>
	Conduct site visit and collect field data. Create preliminary design drawings in coordination with the Douglas County Forestry Department. Develop permit strategy and time frames.	

<b>Task 4</b>	<b>Hydrology for Zone A</b> Develop a hydrologic model using Hec-HMS for the areas tributary to the project. Additionally a USGS Regression analysis will be conducted as a secondary check to the hydrology.	<b>\$6,000</b>
<b>Task 5</b>	<b>River Analysis using HEC-RAS</b> Develop a steady state Hec-RAS model for two conditions (existing and proposed). Assumes no additional modeling if a rise in water surface elevation occurs. Floodplain easement may be required in the result a rise in floodplain occurs. Additional model iterations will require additional time and associated fee.	<b>\$3,000</b>
<b>Task 6</b>	<b>H&amp;H Report</b> Complete WDNR compliant report containing H&H data and assumptions and results.	<b>\$3,500</b>
<b>Task 7</b>	<b>Shoreland Zoning Permit</b> Submit to Douglas County Zoning a Shoreland Zoning permit.	<b>\$3,500</b>
<b>Task 8</b>	<b>Wetland Permitting</b> Develop and submit a joint wetland permit for wetland impacts associated with the project. A joint permit will be submitted to WDNR and Army Corps.	<b>\$3,500</b>
<b>Task 9</b>	<b>Ch30 Permitting</b> Create a Chapter 30 permit for construction of a new bridge over a navigable waterway.	<b>\$6,000</b>
<b>Task 10</b>	<b>Updated Drawings for Bid Package</b> Compile up dated drawings for environmental permitting and bridge construction plans (from others).	<b>\$3,000</b>
<b>Task 11</b>	<b>Bid Package</b> Complete competitive bid package. Package includes contract language (front end specifications) and technical specifications with plan sheets and details. Attend prebid meeting and bid opening and perform bid evaluation.	<b>\$5,000</b>

Clint Meyer  
April 5, 2022  
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- |              |   |                |
|--------------|---|----------------|
| <b>Alt 1</b> | <b>As-Built Topo and Drawings</b><br>WDNR may require As-Built drawings as a result of this project.  | <b>\$3,000</b> |
| <b>Alt 2</b> | <b>WDNR Stormwater Permit</b><br>Create WDNR construction site notice of intent to discharge stormwater (WDNR stormwater permit). Includes erosion control narrative, Soil Loss Calculation, and ePermit submittal.<br><b>If during design we exceed 1 acre a stormwater permit will be required.</b> | <b>\$5,000</b> |

### **Deliverables**

For this project, Long Island Engineering LLC and Weyandt Engineering Services LLC (WESLIE Engineering Group) will provide the following:

- Preliminary design plans for WDNR permitting
- Floodplain Analysis
- Ch30 Permitting
- County Shoreland zoning permit
- Wetland Permitting
- Competitive Bid Package
- As-built survey and stamped as-built plans (if required)
- WDNR stormwater permit (if required).

### **Schedule**

We are available to provide these services promptly to meet the November 1<sup>st</sup> deadline.

### **Fee Estimate**

We propose to complete **Tasks 1** through **11** in the scope of work for a time and materials estimated fee of **\$43,000**. **Alt1 and Alt1** we propose to complete only if needed for a fee of **\$3,000 and \$5,000 respectively**.

If during the course of work, any issues that arise that are beyond the scope of this proposal, Long Island Engineering LLC will discuss the potential effects of this on the project and provide an estimated fee prior to moving forward with any additional work.

If this proposal meets your approval, please sign below and return a scanned copy. If you have any questions, please contact me at **715-209-4747** or via email at **longislandengineeringllc@outlook.com**.

Clint Meyer  
April 5, 2022  
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Sincerely,

\_\_\_\_\_  
Todd Gibbon, PE, CFM

4/5/2022

\_\_\_\_\_  
Date

Accepted by:

\_\_\_\_\_  
Signature (Clint Meyer)

\_\_\_\_\_  
Date

## Meyer, Clint

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**From:** Harrington, Dan - DNR <Dan.Harrington@wisconsin.gov>  
**Sent:** Tuesday, April 12, 2022 7:06 AM  
**To:** Meyer, Clint; Walker, Nathan K - DNR  
**Subject:** RE: Douglas County Trail projects  
**Attachments:** IMG\_2412.JPG; IMG\_2414.JPG

Hi Clint. Per our discussions yesterday, the bridges will need General permits as they are being totally rebuilt and in different locations. The proposed riprap in the stream will need an Individual permit. Let me know if you need additional information.

Regards, Dan

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Dan Harrington  
Phone: (715) 733-0019  
Dan.Harrington@Wisconsin.gov

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**From:** Meyer, Clint <Clint.Meyer@douglascountywi.org>  
**Sent:** Monday, April 11, 2022 3:31 PM  
**To:** Walker, Nathan K - DNR <nathan.walker@wisconsin.gov>  
**Cc:** Harrington, Dan - DNR <Dan.Harrington@wisconsin.gov>  
**Subject:** Douglas County Trail projects

**CAUTION: This email originated from outside the organization.  
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Nathan

Have you been able to look at the Douglas County projects any further? My Grant applications are due this Friday and I still need correspondence from you regarding permits. It would be all of the sites we visited( Paske Bridge, Ericson Creek Bridge, Cranberry Creek Bridge, and Pokegama Bridge. We did not visit the pokegama bridge.) I also have one new one that will be adding rip rap to a culvert to protect the inlet. I have included pictures for culvert riprap location and I will follow up with a second email shape files of the location.

*Clint Meyer*

**Park and Recreation Supervisor**  
**Douglas County Forestry Department**  
**9182 East Hughes Ave.**  
**Solon Springs, WI. 54873**  
**Phone: (715) 378-2219**

**Fax:** (715) 378-2807

**Email:** [Clint.Meyer@douglascountywi.org](mailto:Clint.Meyer@douglascountywi.org)

**Web:** [www.douglascountywi.org](http://www.douglascountywi.org)

