

S-61 Lincoln Co Devil's Creek Reloc

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 02/2024)

**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 Lincoln County Forestry, Land and Parks Department			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 Lucas Williams			Check Recipient Name (Name to Appear on Check) Lucas Williams		
Title County Forest Administrator			Title County Forest Administrator		
Address 801 North Sales Street Suite 106			Address 801 North Sales Street Suite 106		
City Merrill	State WI	ZIP Code 54452	City Merrill	State WI	ZIP Code 54452
Telephone Number (715) 539-1034		Email Address lucas.williams@co.lincoln.wi.us			

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

Project Title Devils Creek Bridge					Current Funded Miles 335.5	New Miles (if applicable) 0
County Lincoln	Township 31 N	Range 6	Section 16	¼ ¼ SW	¼ SE	GPS Coordinates: Lat. 45.166 Long. -89.743

**Project Description Summary**

Lincoln County is requesting funding for the design and installation of a new recreational trail bridge over Devils Creek. This bridge will serve both snowmobiles and winter ATVs, replacing the current crossing at Joe Snow Road. The current route requires steep approaches that are difficult to groom, challenging to navigate, and offer limited visibility. The proposed bridge will significantly improve safety and eliminate these difficult approaches. While a short trail reroute is required, it will not increase the total number of funded trail miles and will only require brushing and alder mowing to establish. The total estimated cost for this project is \$158,600, which includes the H & H study, bridge design, and trail rerouting. Lincoln County is requesting a 50/50 funding split of \$79,300 each from the snowmobile and winter ATV programs.

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

**Estimated Cost**

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
			<del>\$79,300.00</del>			<del>\$79,300.00</del>
Leave Blank – DNR Use Only						
			\$158,600.00			\$158,600.00

**Applicant Certification**

Printed Name of Authorized Official Lucas Williams	Official's Title County Forest Administrator
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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

  
 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	Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼ ¼	¼	GPS Coordinates: Lat. 45.166 Long. -89.743
Lincoln	31 N	6		16	SW	SE	
Water Body Name				Bridge Name		County Inventory Number	
Devi's Creek				Devi's Creek Bridge		N/A	
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: _____ \$ _____			
Corridor 19							
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property				Old Bridge/Culvert Size		Town Road Bridge	
				New Bridge/Culvert Size		12'x50' with (2) 20' approaches	
Landowner Where Bridge is Located				Telephone Number		Length of Trail Use Agreement (5 year minimum)	
Kevin and Nicole Koelsch				(715) 921-9501		10	
Current maximum load _____ lbs.		Age of Bridge		Bridge Material			
Proposed maximum load    24,000    lbs.							
Sponsoring Club Name				Club Contact		Telephone Number	
Devi's Creek Stump Jumpers				Jeff Krall		(715) 218-9496	
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? 24,000lbs			
What is the weight of your puller & drag/grading equipment? 15,000lbs							
What other recreational trail uses are planned for this bridge? 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**

Lincoln County is requesting funding for the design and installation of a new 50'x12' recreational bridge to cross Devi's Creek. This bridge will serve both snowmobiles and winter ATVs, providing a safer alternative to the current Joe Snow Road bridge crossing, which features steep approaches and limited visibility.

The proposed project includes: A 25,000lb. design load, flat steel bridge with double-decked treated lumber and 20' manufactured approaches. An H & H study for the bridge location. A short trail reroute requiring only brushing and alder moving, which will not increase total trail mileage.

The bridge will be set with a 5' clearance over the ordinary high water mark to accommodate navigation on Devi's Creek. As the site is located in a wetland, fill will be kept to a minimum, and all necessary permits will be obtained prior to construction.

The lowest total cost estimate for this project is \$158,600. Lincoln County is requesting a 50/50 funding split of \$79,300 each from the snowmobile and winter ATV programs.

**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>50' x 12' + (2) 20' app</u>	<u>50' x 12'</u>
Bridge Manufacturer:	<u>Custom Manufacturing Inc</u>	<u>Janke General Contractors Inc</u>
Design Weight Load	<u>25,000 lbs.</u>	<u>25,000 lbs.</u>
Cost of Structure:		
1. Engineering	\$ <u>3,000</u>	\$ <u>10,000</u>
2. Structure	\$ <u>118,400</u>	\$ <u>80,000</u>
<b>Subtotal</b>	<b>\$ <u>121,400</u></b>	<b>\$ <u>90,000</u></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	\$ _____	\$ _____
2. Site Preparation	\$ <u>20,000</u>	\$ <u>40,000</u>
3. Abutments	\$ _____	\$ <u>90,000</u>
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ _____	\$ _____
7. Labor	\$ _____	\$ <u>25,000</u>
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ <u>10,000</u>	\$ <u>10,000</u>
11. Wetland Delineation	\$ _____	\$ _____
12. Other _____	\$ <u>5,200</u>	\$ <u>25,000</u>
<b>Subtotal</b>	<b>\$ <u>35,200</u></b>	<b>\$ <u>190,000</u></b>
<b>Total Cost</b>	<b>\$ <u>156,600</u></b>	<b>\$ <u>280,000</u></b>

**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	\$ _____
<b>Total</b>	<b>\$ _____</b>

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

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

County Lincoln	Township 31 N	Range 6	<input checked="" type="radio"/> E <input type="radio"/> W	Section 16	¼ ¼ SW	¼ SE	GPS Coordinates: Lat. 45.166 Long. -89.743
Funded Trail Name or Number (SNARS if applicable) Corridor 19				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 10 years			Expiration Date 01/31/2036	
Landowner Where Trail is Located Kevin and Nicole Koelsch						Telephone Number (715) 921-9501	
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? We are applying for a 50/50 funding split from the snowmobile and winter ATV programs							
How many miles would be affected if this project is not funded? 2.4				Will this result in closure of a trail? <input type="radio"/> Yes <input checked="" type="radio"/> No			
Is this a critical section to the overall trail system? <input checked="" type="radio"/> Yes <input type="radio"/> No			Is there a reasonable alternative? No, this is the safest and best solution. The trail currently uses a town road bridge to cross Devils Creek.				
Does any section of this trail contain a bridge? <input type="radio"/> Yes <input checked="" type="radio"/> No			Will this bridge require rehabilitation now or in the next few years? <input type="radio"/> Yes <input checked="" type="radio"/> No			What is the weight of your puller & drag/grading equipment? 15,000 lbs.	

- 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**

Lincoln County is requesting funding for the construction of a new snowmobile and winter ATV bridge across Devils Creek.

Currently, the trail utilizes the Joe Snow Road bridge. However, the approaches to this crossing are steep, difficult to groom, and pose safety concerns due to limited visibility and challenging operating conditions. The proposed recreational bridge will provide a safer crossing and eliminate these difficult approaches.

While a short trail reroute is required to reach the new bridge site, it will not increase the total number of funded trail miles. Preparation for the new segment will only require brushing and alder mowing.

The requested funds will cover design and installation of the new bridge, an H & H study for the bridge location and development of the short reroute.

The lowest estimate for the total project cost is \$158,600. Lincoln County is requesting a 50/50 funding split of \$79,300 each from the snowmobile and winter ATV programs.





**Budgetary Estimate Proposal**  
**Devil's Creek Snowmobile Bridge**  
**50' Snowmobile Bridge with Abutments**

**Prepared for:**

Lincoln County – Lee Rahlf  
801 N Sales Street, Suite 106  
Merrill, WI 54452  
2-12-25

**Prepared by:**

Janke General Contractors, Inc  
1224 Mt View Lane  
Athens, WI 54411  
Mike Rausch – 715-257-7901

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**1. Project Overview**

This budgetary estimate outlines the anticipated costs for the design, fabrication, delivery, and installation of a 50-foot snowmobile bridge including abutments. The proposed bridge will accommodate snowmobiles and light utility vehicles, ensuring durability and safety for winter and off-season use. The bridge will have a 12-foot wide travel surface and a vehicle rating of 25,000 lbs, conforming to Wisconsin's guidelines for snowmobile bridges.

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**2. Scope of Work**

- **Design & Engineering:** Structural design, load analysis, and stamped engineering plans.
  - **Materials & Fabrication:** Steel truss bridge with treated timber decking.
  - **Abutments & Foundation:** Reinforced concrete or steel abutments suitable for terrain and load.
  - **Delivery & Installation:** Transport of bridge materials and on-site assembly.
  - **Site Preparation & Mobilization:** Clearing, excavation, and mobilization .
  - **Safety & Compliance:** Installation compliant with local, state, and federal regulations, including Wisconsin's snowmobile bridge standards.
-



### 3. Estimated Budget

Item	Estimated Cost (USD)
Design & Engineering	\$10,000 - \$15,000
Bridge Fabrication (50')	\$80,000 - \$100,000
Abutments & Foundation	\$90,000 - \$110,000
Delivery & Installation	\$25,000 - \$35,000
Site Preparation / Mobilization	\$40,000 - \$50,000
Miscellaneous & Contingency (15%)	\$25,000 - \$35,000
<b>Total Estimated Cost</b>	<b>\$270,000 - \$345,000</b>

*Note: Costs may vary based on location, material availability, environmental factors, and required site work.*

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### 4. Assumptions & Exclusions

#### Assumptions:

- Standard soil conditions (no extreme rock excavation or wetland considerations).
- No major utility relocations required.
- Access for equipment and materials is feasible.

#### Exclusions:

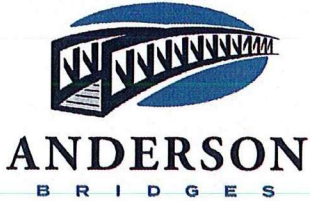
- Land acquisition, easements, or right-of-way costs.
- Extensive environmental impact studies or mitigation.
- Future maintenance and operational costs.

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### 5. Timeline Estimate

- **Design & Engineering:** 4 - 6 weeks
- **Permitting & Approvals:** 6 - 12 weeks (dependent on local regulations)
- **Fabrication:** 20 - 26 weeks
- **Site Preparation & Installation:** 4 - 6 weeks

Total estimated project duration: 6 - 8 months (subject to permitting and seasonal conditions).



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

# PROPOSAL

February 28, 2025

To: Lincoln County Snowmobile Trail Administrator

Re: Devil's Creek Snowmobile Bridge Budget

- 1 - **65' x 12' (clear width) arched 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: **Lincoln County, WI**
  - Engineered Drawings State Seal: **Wisconsin**

Price-----\$120,000

• Structure (Steel Truss)	\$74,000
• Engineering	\$4,000
• Soil Testing	\$0
• Site Prep	\$5,000
• Abutments	\$10,000
• Labor	\$5,000
• Rip Rap	\$2,000
• H&H Study	\$20,000

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

Please call with any questions.

Thank you,

Kory S. Weathers



# Custom Manufacturing, Inc.

606 Delco Drive, P.O. Box 279

Clinton, WI 53525

608-676-2282 Fax: 608-676-2283

tina@custommfginc.com

# Quotation 6671

Please Indicate The Above Number When Ordering

Date: March 27, 2025	Salesperson: Tina Forrest
Inquiry Date:	Inquiry Number

To: Lincoln County Forestry, Land and  
Parks Department  
801 N. Sales St. Suite 106  
Merrill, WI 54452

Estimated Ship Date 12 - 16 weeks	Shipped VIA Best Way	F.O.B Clinton, WI	Terms Net 30	
<b>Description</b>		<b>Price</b>	<b>Total</b>	
2025 GRANT APPLICATION ESTIMATE Devil's Creek Snowmobile Bridge				
1	50' Flat Bridge x 12' Wide - 25,000# Load w/ 2 - 20' Approaches Double Decked - 42" Horizontal Railing - Hardware On 2 sets of Galvanized Riser Pans	\$ 118,400.00		
	Stamped Engineered Drawings	3,000.00		
	Installation & Site Preparation	20,000.00		
	Equipment Rental	4,000.00		
	Delivery Charges	1,200.00		
	<b>Total</b>		<b>\$ 146,600.00</b>	
The above prices do not include sales tax or any necessary permits.				
Bridge kit includes all Steel I-Beams and Crossmembers, which are predrilled and have a red oxide primer finish, MCA Southern Yellow Pine treated lumber and all hardware. All lumber is Pre-Stained.				
Bridge Kit Meets - WI DNR Guidelines - 25,000# Load				

We are pleased to submit the above quotation for your consideration. Should you place an order, be assured it will receive our prompt attention. This quotation is valid for 30 days. Thereafter it is subject to change without notice.

BY: Tina Forrest

ACCEPTED: \_\_\_\_\_

DATE: \_\_\_\_\_

**Guidelines for Applicant**

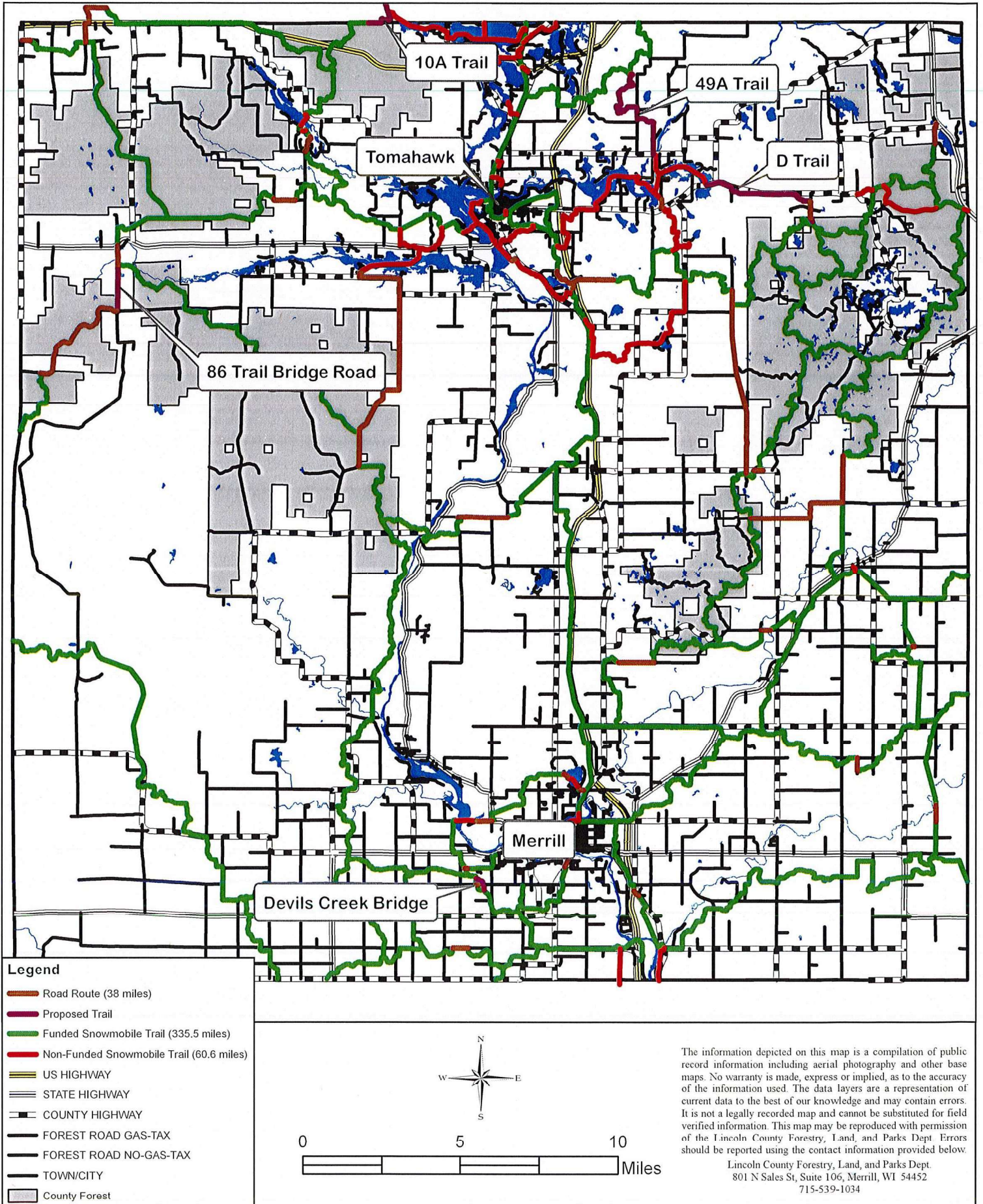
Complete this form for each relocation you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.

<b>Mandatory or Discretionary?</b> (no points)	
A) Trail is already closed or will be closed for the upcoming season. = <b>Mandatory</b>	B
B) Trail won't be closed for the coming season, but relocation is preferable for landowner request. to avoid road use. etc = <b>Discretionary</b>	

Category		Possible Points	Actual Points
<b>1</b>	<b>Maintenance Increase Only</b>		
	New trail footprint has already been cleared/constructed, application is requesting only a maintenance increase	2	
<b>2</b>	<b>Dedicated Highway Rec Wing</b>		
	An opportunity to develop a dedicated rec wing on a highway will allow for increased safety of trail users by getting them off of a shared highway bridge.	2	
<b>3</b>	<b>Funding</b> (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)?	2	2
	11% - 49% from other funding source(s)?	1	
	0% - 10% from other funding source(s)?	0	
<b>4</b>	<b>Length of Written Easements or Land Use Agreement</b> (max points 4) (ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	4	
	10 or more year <b>deeded easement</b> on private land or other public land, for all portions of that trail segment to the nearest road on each side	3	
	3-9 year <b>deeded easement</b> on private land or other public land, for all portions of that trail to the nearest road on each side	2	
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	1
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	0
<b>5</b>	<b>Miles Impacted</b> – How many miles will need to rerouted if the trail is shut down? Measured from nearest intersection on both sides of lost segment. (max 4 points)		
	Less than 20 miles	1	1
	20 miles or more	3	
	No other snowmobile trails connect. Explain:	4	
	<b>DEDUCTIONS</b>		
<b>8</b>	<b>County Active Project Deduction</b> (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	
<b>GRAND TOTAL</b>			<b>4</b>

# Lincoln County 2026-27

## Funded and Non-Funded Snowmobile Trails with New Miles and Projects

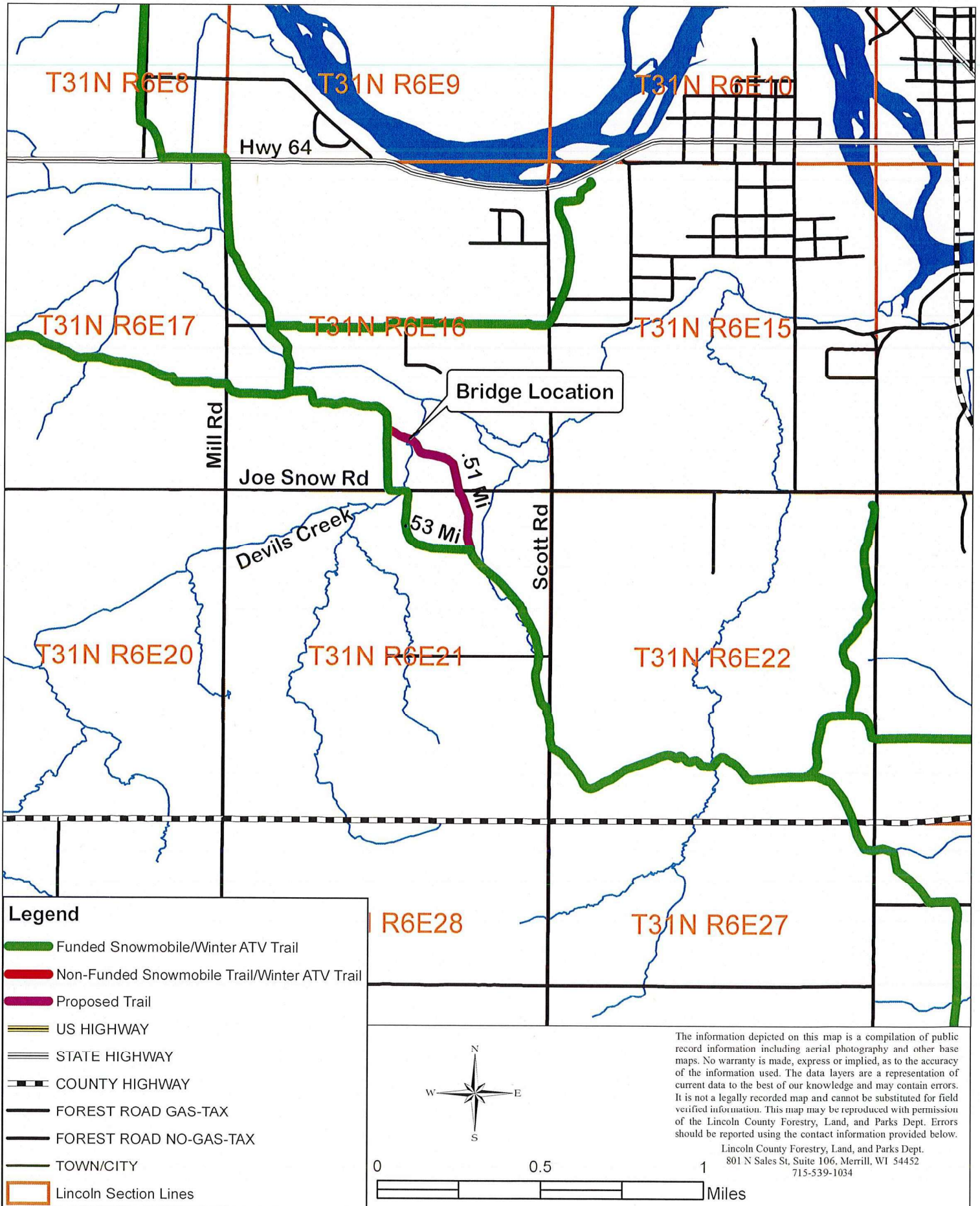


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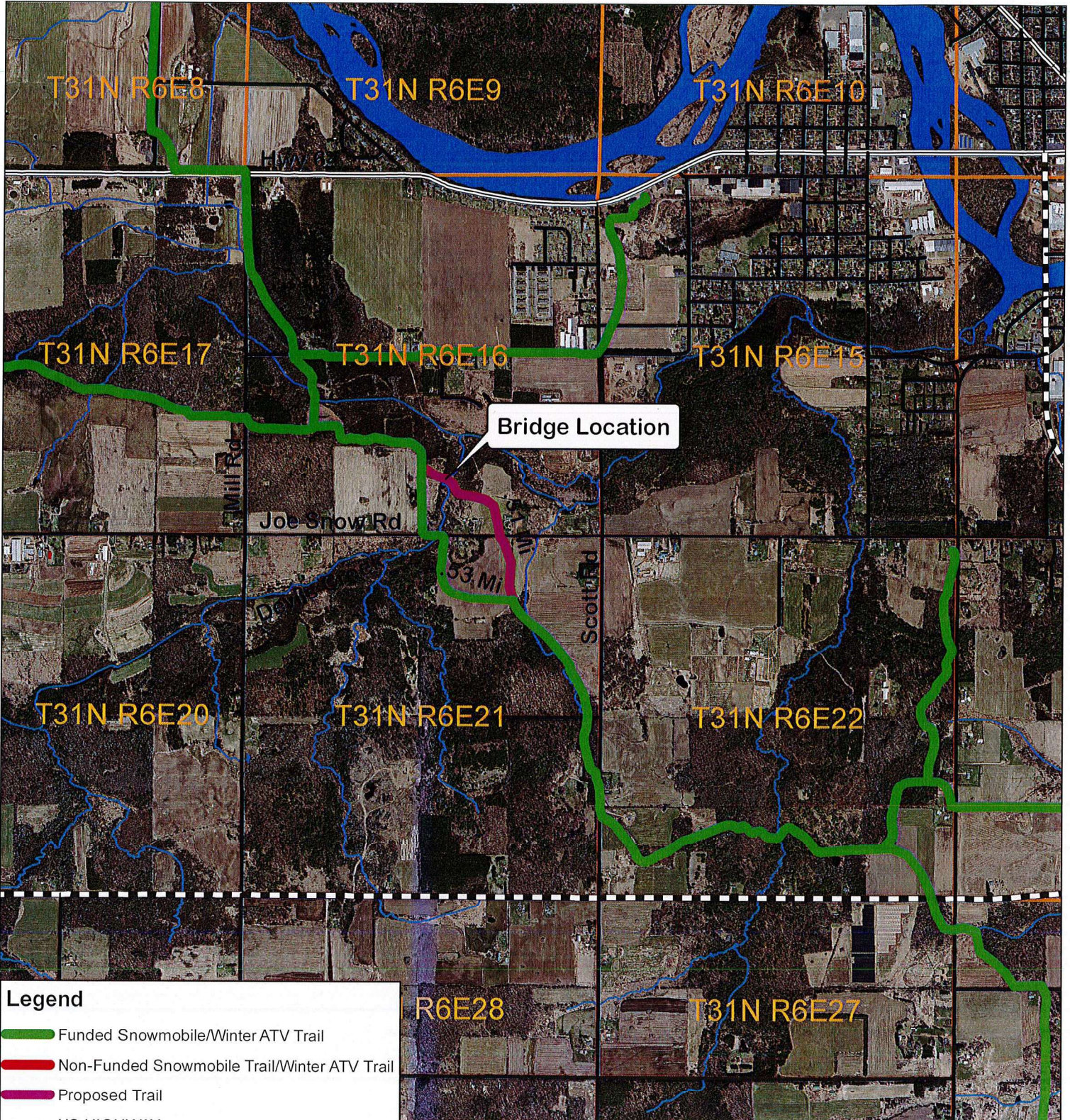
Lincoln County Forestry, Land, and Parks Dept.  
 801 N Sales St, Suite 106, Merrill, WI 54452  
 715-539-1034

# Lincoln County

## Devils Creek Snowmobile & Winter ATV Trail Bridge

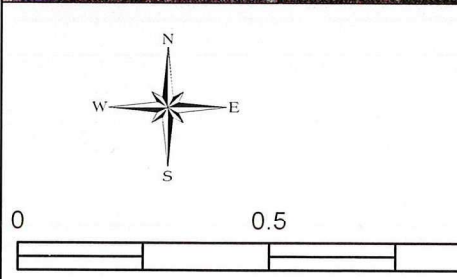


# Lincoln County Devils Creek Snowmobile & Winter ATV Trail Bridge



**Legend**

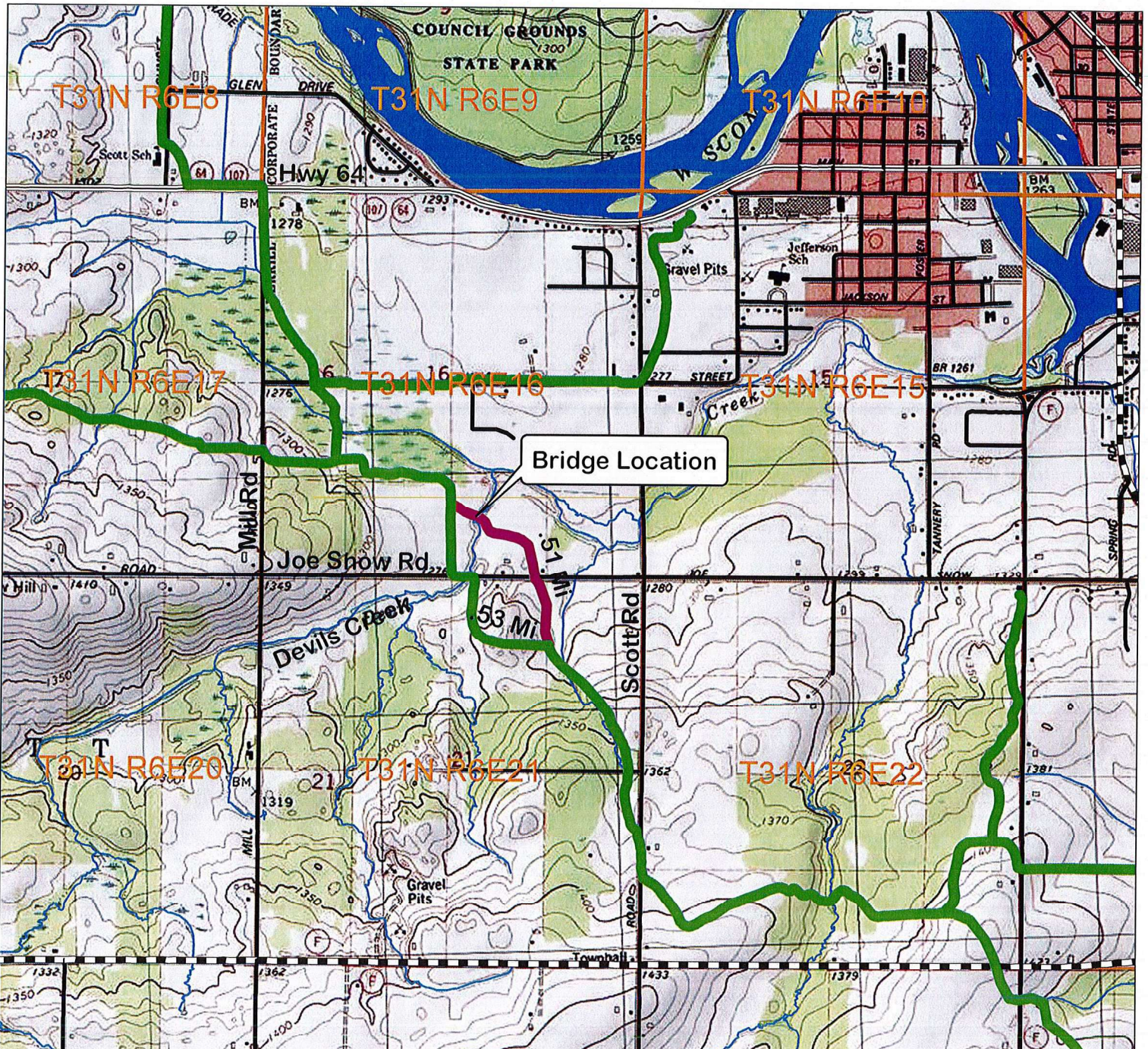
- Funded Snowmobile/Winter ATV Trail
- Non-Funded Snowmobile Trail/Winter ATV Trail
- Proposed Trail
- US HIGHWAY
- STATE HIGHWAY
- COUNTY HIGHWAY
- FOREST ROAD GAS-TAX
- FOREST ROAD NO-GAS-TAX
- TOWN/CITY
- Lincoln Section Lines



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Lincoln County Forestry, Land, and Parks Dept.  
801 N Sales St, Suite 106, Merrill, WI 54452  
715-539-1034

# Lincoln County Devils Creek Snowmobile & Winter ATV Trail Bridge



**Legend**

- Funded Snowmobile/Winter ATV Trail
- Non-Funded Snowmobile Trail/Winter ATV Trail
- Proposed Trail
- US HIGHWAY
- STATE HIGHWAY
- COUNTY HIGHWAY
- FOREST ROAD GAS-TAX
- FOREST ROAD NO-GAS-TAX
- TOWN/CITY
- Lincoln Section Lines

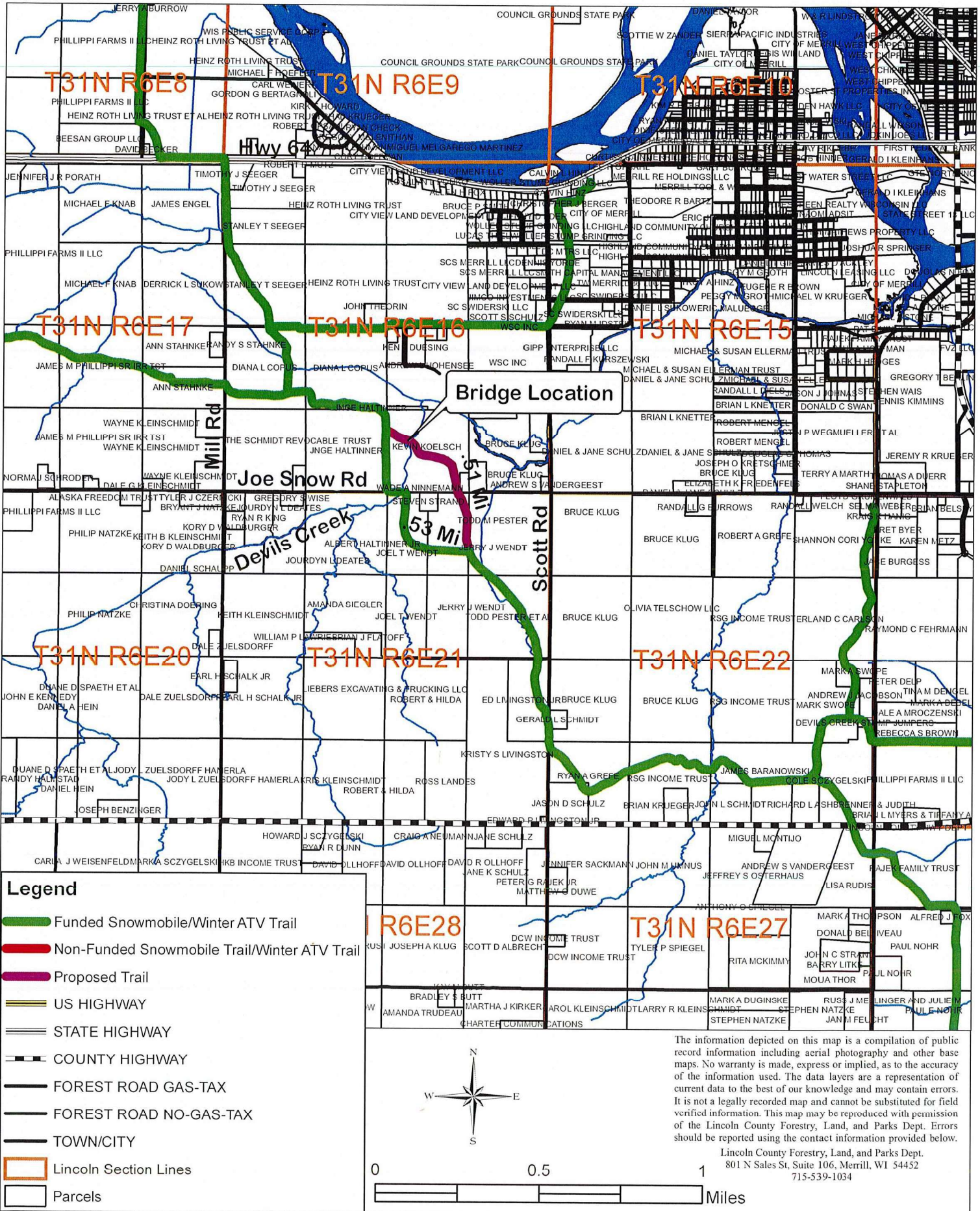
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715-539-1034

Miles

# Lincoln County Devils Creek Snowmobile & Winter ATV Trail Bridge



**Legend**

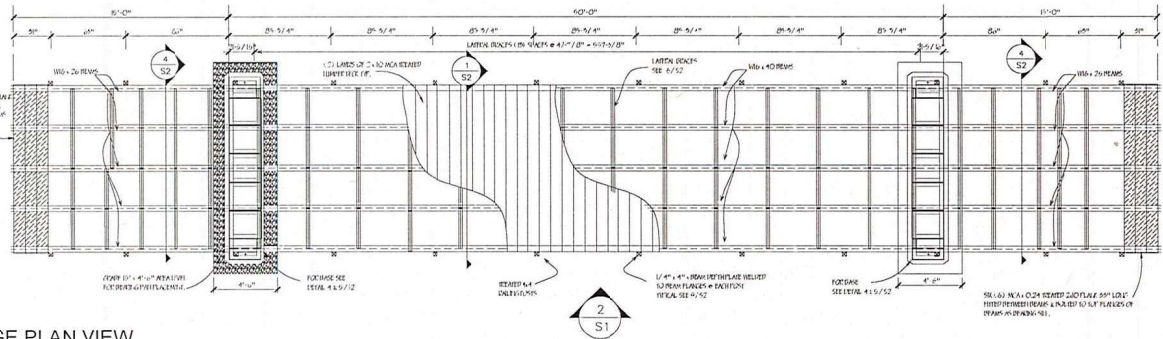
- Funded Snowmobile/Winter ATV Trail
- Non-Funded Snowmobile Trail/Winter ATV Trail
- Proposed Trail
- US HIGHWAY
- STATE HIGHWAY
- COUNTY HIGHWAY
- FOREST ROAD GAS-TAX
- FOREST ROAD NO-GAS-TAX
- TOWN/CITY
- Lincoln Section Lines
- Parcels

0                      0.5                      1  
Miles

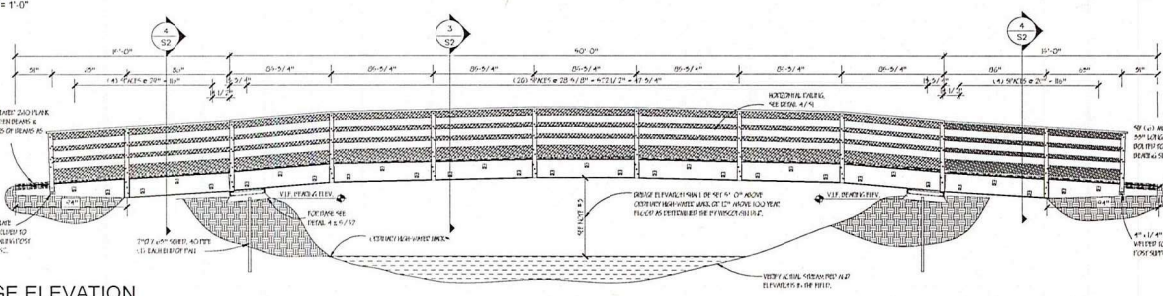
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W                      E  
S

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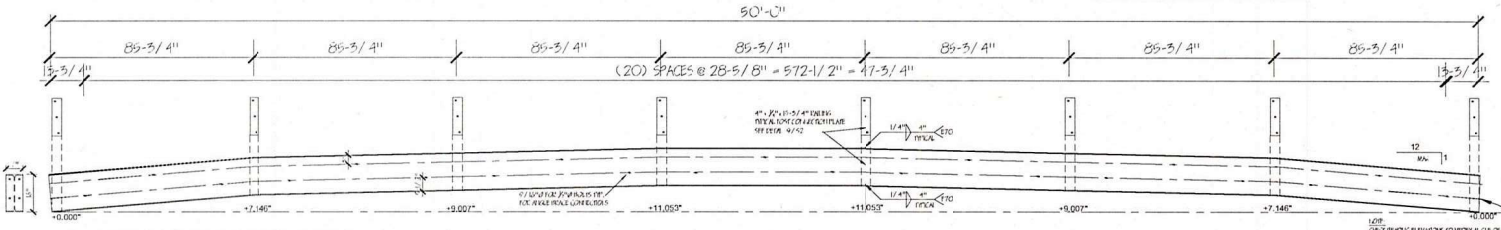
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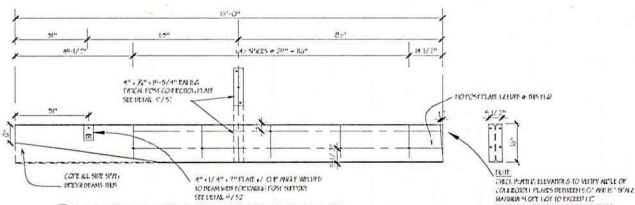
1 BRIDGE PLAN VIEW  
SCALE: 1/4" = 1'-0"



2 BRIDGE ELEVATION  
SCALE: 1/4" = 1'-0"



3 LAYOUT FOR MAIN SPAN BEAMS  
SCALE: 1/2" = 1'-0"



4 LAYOUT FOR SIDE SPAN BEAMS  
SCALE: 1/2" = 1'-0"

NOTES

- GENERAL NOTES:**
- THIS BRIDGE IS DESIGNED ON THE BASIS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES' BRIDGE SPECIFICATIONS FOR NEW AND RECONSTRUCTION OF BRIDGES AND ALL OTHER BRIDGE SPECIFICATIONS APPLICABLE TO THIS PROJECT.
  - THE BRIDGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DESIGN LOADS:
    - DEAD LOAD ON DECKING: 10 PSF
    - DEAD LOAD SUPPORTED BY BRIDGE: 25 PSF
    - LINE LOADS ON ENTIRE DECK: 80 PSF
    - LINE LOADS ON ENTIRE DECK: 30 PSF
    - WIND LOAD: 30 PSF
    - VEHICLE LOAD: 90 PSF
  - LOAD COMBINATIONS:
    - 1.5D + 1.75(L1 + L2)
    - 1.5D + 1.75(L1 + L2) + 1.5W
  - THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS OR METHODS FOR SUPERVISION OF CONSTRUCTION.
  - ALL DIMENSIONS ARE TO BE CHECKED AGAINST EXISTING FIELD SURVEYS AND APPROVED SHOP DRAWINGS FOR THE BRIDGE. MATERIALS AND ALL DIMENSIONS, ALL DIMENSIONS, DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
  - ALL WORK IS TO BE PERFORMED IN A SAFE AND WORKMAN LIKE MANNER IN ACCORDANCE WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT REGULATIONS AND ALL STATE OF WISCONSIN REGULATORY AND BUILDING CODES AND ZONING ORDINANCES AS THEY MAY PERTAIN TO THIS PROJECT.
- SEE ALSO:**
- THE CONTRACTOR IS TO VERIFY ALL CONDITIONS AT THE SITE, PARTICULARLY THE LOCATION OF ANY UNDERGROUND UTILITIES BEFORE LOCATION AND ELEVATION ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
  - THE FOUNDATION DESIGN IS BASED UPON ASSUMED NET SOIL BEARING CAPACITY OF 1.50 TSI.
  - THE BEARING ELEVATION OF THE BRIDGE SHALL BE SET BY THE BRIDGE OWNER AT THE LOCATION OF THE BRIDGE. THE BEARING ELEVATION OF THE BRIDGE SHALL BE AT LEAST 3'-0" ABOVE ORDINARY HIGH WATER MARK OR 1'-0" ABOVE THE 100-YEAR FLOOD FLOW.
  - IN BRIDGE LOCATIONS PRONE TO EROSION, THE SITE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AND HEAVY STONE RIP-RAP PER WISCONSIN DNR STANDARD EROSION CONTROL DESIGN AND CONSTRUCTION SPECIFICATIONS FOR BRIDGE APPROXIMATE 100 FEET EACH SIDE OF BRIDGE SUPPORT PIER.
- STRUCTURAL STEEL:**
- ALL STRUCTURAL STEEL USED IN THE FABRICATION AND ERECTION OF THE BRIDGE SHALL MEET THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10.
  - FASTENERS USED IN THE FABRICATION AND ERECTION OF THE BRIDGE SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS: A325, A490, A509, A572, A573, A578, A588, A591, A593, A595, A598, A599, A606, A607, A608, A609, A610, A615, A617, A618, A619, A621, A622, A623, A624, A625, A626, A627, A628, A629, A630, A631, A632, A633, A634, A635, A636, A637, A638, A639, A640, A641, A642, A643, A644, A645, A646, A647, A648, A649, A650, A651, A652, A653, A654, A655, A656, A657, A658, A659, A660, A661, A662, A663, A664, A665, A666, A667, A668, A669, A670, A671, A672, A673, A674, A675, A676, A677, A678, A679, A680, A681, A682, A683, A684, A685, A686, A687, A688, A689, A690, A691, A692, A693, A694, A695, A696, A697, A698, A699, A700, A701, A702, A703, A704, A705, A706, A707, A708, A709, A710, A711, A712, A713, A714, A715, A716, A717, A718, A719, A720, A721, A722, A723, A724, A725, A726, A727, A728, A729, A730, A731, A732, A733, A734, A735, A736, A737, A738, A739, A740, A741, A742, A743, A744, A745, A746, A747, A748, A749, A750, A751, A752, A753, A754, A755, A756, A757, A758, A759, A760, A761, A762, A763, A764, A765, A766, A767, A768, A769, A770, A771, A772, A773, A774, A775, A776, A777, A778, A779, A780, A781, A782, A783, A784, A785, A786, A787, A788, A789, A790, A791, A792, A793, A794, A795, A796, A797, A798, A799, A800, A801, A802, A803, A804, A805, A806, A807, A808, A809, A810, A811, A812, A813, A814, A815, A816, A817, A818, A819, A820, A821, A822, A823, A824, A825, A826, A827, A828, A829, A830, A831, A832, A833, A834, A835, A836, A837, A838, A839, A840, A841, A842, A843, A844, A845, A846, A847, A848, A849, A850, A851, A852, A853, A854, A855, A856, A857, A858, A859, A860, A861, A862, A863, A864, A865, A866, A867, A868, A869, A870, A871, A872, A873, A874, A875, A876, A877, A878, A879, A880, A881, A882, A883, A884, A885, A886, A887, A888, A889, A890, A891, A892, A893, A894, A895, A896, A897, A898, A899, A900, A901, A902, A903, A904, A905, A906, A907, A908, A909, A910, A911, A912, A913, A914, A915, A916, A917, A918, A919, A920, A921, A922, A923, A924, A925, A926, A927, A928, A929, A930, A931, A932, A933, A934, A935, A936, A937, A938, A939, A940, A941, A942, A943, A944, A945, A946, A947, A948, A949, A950, A951, A952, A953, A954, A955, A956, A957, A958, A959, A960, A961, A962, A963, A964, A965, A966, A967, A968, A969, A970, A971, A972, A973, A974, A975, A976, A977, A978, A979, A980, A981, A982, A983, A984, A985, A986, A987, A988, A989, A990, A991, A992, A993, A994, A995, A996, A997, A998, A999, A1000.
  - WELDING, WHEN REQUIRED, SHALL MEET THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) D1.1.
  - ALL STRUCTURAL STEEL SHALL BE PRIME PAINTED AFTER FABRICATION WITH A MINIMUM THICKNESS OF 1/4" OF ZINC RICH PRIMER WITH A MINIMUM INHIBITING AND LACQUER RESISTANT PRIMER.
  - ALL STRUCTURAL STEEL SHALL BE PRIME PAINTED AFTER FABRICATION WITH A MINIMUM THICKNESS OF 1/4" OF ZINC RICH PRIMER WITH A MINIMUM INHIBITING AND LACQUER RESISTANT PRIMER.
  - ALL STRUCTURAL STEEL SHALL BE PRIME PAINTED AFTER FABRICATION WITH A MINIMUM THICKNESS OF 1/4" OF ZINC RICH PRIMER WITH A MINIMUM INHIBITING AND LACQUER RESISTANT PRIMER.
- EROSION CONTROL:**
- ALL STRUCTURAL DIMENSION LUMBER INSTALLED IN THIS PROJECT SHALL MEET THE REQUIREMENTS OF THE 2012 NATIONAL DESIGN SPECIFICATION FOR CONSTRUCTION OF BRIDGES AND SHALL BE STAMPED WITH A MINIMUM EQUIVALENT GRADE OF 2000 PSI SOUTHERN PINE OR BRIDGE PINE (S-P F5).
  - ALL WOOD USED IN THIS BRIDGE SHALL BE WICKENIZED COPPER AND ARSENIC PRESERVATIVE TREATED TO A MINIMUM PENETRATION OF 100 MILS PER SIDE OF THE WOOD AND SHALL BE STAMPED WITH A MINIMUM EQUIVALENT GRADE OF 2000 PSI SOUTHERN PINE OR BRIDGE PINE (S-P F5).
  - THE WOOD USE CONTENT OF ALL STRUCTURAL FRAMING LUMBER, A WOOD AND FABRICATED WOOD PRODUCTS SHALL NOT EXCEED 10% AT THE TIME OF INSTALLATION. JOIST OR OTHER ALL WOOD PRODUCTS SHALL PROTECT WOOD MATERIALS FROM DAMAGE DUE TO THE ELEMENTS. NO DIMENSION LUMBER SHALL BE USED IN THE CONSTRUCTION OF THE BRIDGE.
  - THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING DURING AND REPAIR AND REVISION OF THE BRIDGE.
  - THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL FINAL BRACING AS SHOWN ON THE SHOP DRAWINGS.
- NOTES:**
- FINAL BRIDGE CENTERLINE LOCATION & FOUNDATION ELEVATIONS ARE TO BE LOCATED BY OTHERS AND VERIFIED IN THE FIELD WITH BRIDGE OWNER PRIOR TO STARTING BRIDGE ERECTION.
  - THE CONTRACTOR SHALL PROVIDE 10' WIDE FILTER FABRIC & HEAVY STONE RIP-RAP BANK PROTECTION @ SIDES & FRONT OF THE ABUTMENTS AS APPROVED BY WISCONSIN DNR.
  - ALL ASPECTS OF CONSTRUCTION FOR THIS BRIDGE SHALL MEET THE WISCONSIN DNR REQUIREMENTS FOR STRUCTURES IN A FLOOD WAY. THE BRIDGE ELEVATION SHALL BE SET FOR A MINIMUM CLEARANCE OF 3'-0" ABOVE THE ORDINARY HIGH WATER MARK, OR 1'-0" ABOVE THE 100-YEAR FLOOD ELEVATION, OR AS DIRECTED BY WISCONSIN DNR TO COMPLY WITH THEIR REQUIREMENTS.

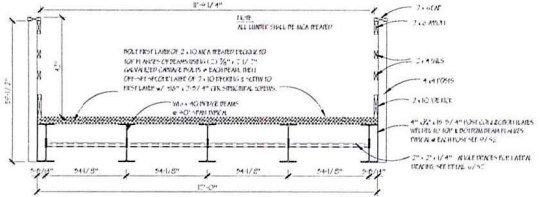
FOR REFERENCE ONLY

PROJECT: 50' x 12' SNOWMOBILE BRIDGE  
W/ (2) 15' SIDE SPANS

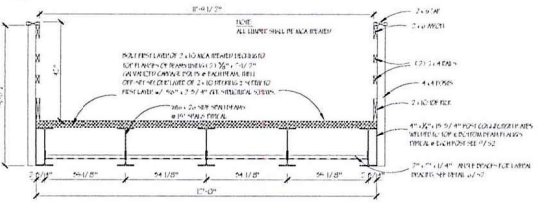
CLIENT: Trust Bridge  
Smart Contracting & Planning  
606 Delta Drive  
Baraboo, WI 53503  
Phone: 608-526-2282  
Fax: 608-526-2283

DRAWN: [Signature]  
CHECKED: 12/3/20  
SCALE: AS SHOWN  
JOB NO: 20-148  
SHEET NO: S1

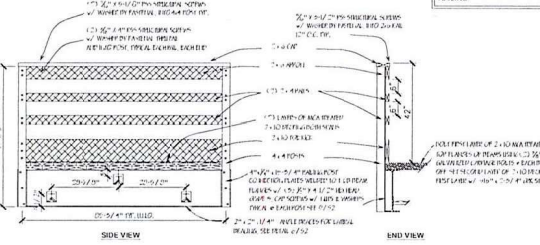
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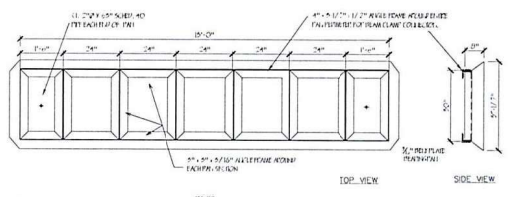
1 SECTION @ 50' MAIN SPAN  
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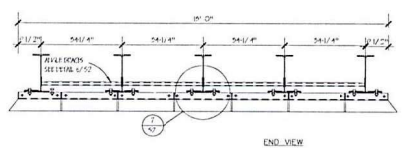
2 SECTION DETAIL @ 15' SIDE SPANS  
SCALE: 1/2"=1'-0"



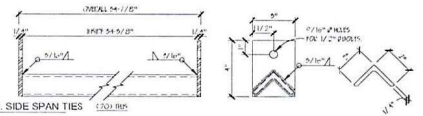
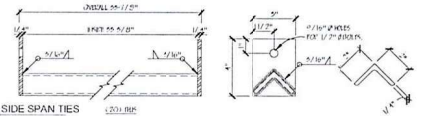
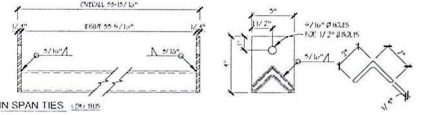
3 RAILING ELEVATION & SECTION  
SCALE: 1/2"=1'-0"



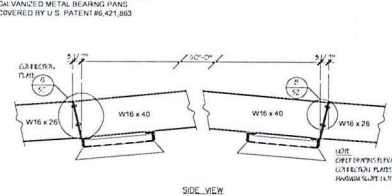
4 36" BEARING PAN PLAN & END VIEWS  
SCALE: 1/2"=1'-0"



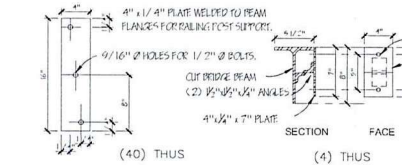
5 36" BEARING PAN W/ LEGS PLAN & END VIEWS  
SCALE: 1/2"=1'-0"



6 LATERAL BRACES / FRAME TIES  
SCALE: 3"=1'-0"



7 BEAM CLAMP (40) THUS  
SCALE: 3"=1'-0"



8 BEAM CONNECTION PLATES (10) THUS EACH SIZE  
SCALE: 1-1/2"=1'-0"

9 HANDRAIL POST PLATES  
SCALE: 1-1/2"=1'-0"

PROJECT: 50' x 12' SNOWMOBILE BRIDGE W/ (2) 15' SIDE SPANS.

CLIENT: **CUSTOM MANUFACTURING INC.**

Drawn by: **Steel Bridge Consulting**  
666 Dinos Drive  
P.O. Box 279  
Clinton, Missouri 65033  
Phone: 666-676-2383  
Fax: 666-676-2383

DRAWN: \_\_\_\_\_  
DATE: 12/31/20  
SCALE: AS SHOWN  
JOB NO.: 20148  
SHEET NO.: **S2**