

#19 Pierce Co Jensen Bridge

State of Wisconsin
 Department of Natural Resources
dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

Page 1 of 5

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 Pierce County			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input type="checkbox"/> Select if the same as applicant.		
Individual Authorized to Act on Behalf of Applicant per Resolution Travis Campbell			Check Recipient Name (Name to Appear on Check) Pierce County Treasurer		
Title Co. Park Superintendent - Snowmobile Coordinator			Title Pierce County Treasurer		
Address N4351 County Road HH			Address 414 W. Main Street		
City Plum City	State WI	ZIP Code 54761	City Ellsworth	State WI	ZIP Code 54761
Telephone Number (715) 639-5611		Email Address travis.campbell@co.pierce.wi.us			

Section 2: Project Information Required for all Projects

Project Title Jensen Bridge Replacement					Current Funded Miles 237.9	New Miles (if applicable)
County Pierce	Township 27 N	Range 15	Section 36	¼ ¼ NE	¼ NE	GPS Coordinates: Lat. 44.7832519 Long. -92.1389047

Project Description Summary

This bridge is on a funded trail connecting the towns of Elmwood and Spring Valley. It is a good connecting trail for Dunn and St. Croix Counties as well.

The existing bridge is an old club designed and built structure. The groomer does not cross it but rather crosses the river at this location. This creates problems for the groomer as stones and ice gets stuck in the tracks and creates flat spots on the guide wheels. Though it appears strongly built, the bridge visibly wiggled from a riding lawn mower crossing it.

The project consist of removing the existing bridge, removing some large trees and stumps washed up against the existing support, placing a new abutment and rip rap, setting a new steel truss bridge.

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

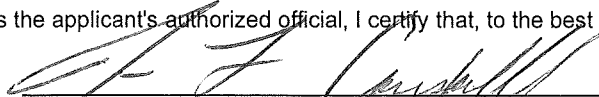
Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$184,000		\$184,000
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official	Official's Title
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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

04/14/2024

 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	Section	¼ ¼	¼	GPS Coordinates:
Pierce	27 N	15	8	SW	SE	Lat. 44.8322182 Long. -92.2226024
Water Body Name			Bridge Name		County Inventory Number	
Eau Galle River			Jensen		11	
Funded Trail Name or Number (SNARS if applicable)			Has this bridge site ever received development or rehabilitation funds in the past? <input checked="" type="radio"/> Yes <input type="radio"/> No Year: 2012 \$ 6,150.00			
20						
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property			Old Bridge/Culvert Size		11.5' x 110'	
			New Bridge/Culvert Size		12' x 100'	
Landowner Where Bridge is Located			Telephone Number		Length of Trail Use Agreement (5 year minimum)	
Village of Elmwood / Gregory and Vicki Nelson			(715) 639-3792		10 year	
Current maximum load		12,000 lbs.	Age of Bridge		Bridge Material	
Proposed maximum load		25,000 lbs.	29 years		Steel I-beam	
Sponsoring Club Name			Club Contact		Telephone Number	
Snow Valley Riders			Dustin Timm		(715) 495-1856	
Do you have your trail bridges posted as to maximum load? <input checked="" type="radio"/> Yes <input type="radio"/> No			What is the maximum load of the other bridges on the system if groomed with this bridge?			
12,000						
What is the weight of your puller & drag/grading equipment?						
Over 13,000 lbs						
What other recreational trail uses are planned for this bridge?						
None						

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 bridge is on a funded trail connecting the towns of Elmwood and Spring Valley. This would be a connection between Dunn and St. Croix Counties.

The existing bridge is an old club designed and built structure. The groomer does not cross it but rather crosses the river at this location. This creates problems for the groomer as stones and ice gets stuck in the tracks and creates flat spots on the guide wheels. Though it appears strongly built, the bridge visibly wiggled from a riding lawn mower crossing it. The I-Beams are not continuous I-Beams but are connected together with plates. This might be the reason for the wiggle. Groomers are now wider than the structure of the bridge. This bridge is not safe for our current groomers to cross and it is questionable on it's overall structural soundness. There is a lot of steel in the bridge but some of it is not attached the best to add structural support as intended. From what I can tell it was funded for a re-decked in 2011 or 2012.

The project consist of removing the existing bridge, placing a new abutment and rip rap, setting a new steel truss 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:		100 x 12	90x12
Bridge Manufacturer:		Anderson Bridges	Contech Engineered Solutions
Design Weight Load		25,000 lbs.	20,000 lbs.
Cost of Structure:	1. Engineering	\$ 10,000	\$ _____
	2. Structure	\$ 110,000	\$ 217,000
	Subtotal	\$ 120,000	\$ 217,000
		Quote 1	Quote 2
		<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input checked="" type="radio"/> Sponsor Estimate
Installation Costs:			
1. Engineering		\$ 10,000	\$ 10,000
2. Site Preparation		\$ 6,000	\$ 6,000
3. Abutments		\$ 20,000	\$ 20,000
4. Pilings/Piers		\$ _____	\$ _____
5. Approaches		\$ 2,000	\$ 2,000
6. Riprap		\$ 2,000	\$ 2,000
7. Labor		\$ 10,000	\$ 10,000
8. Equipment Rental		\$ _____	\$ _____
9. Culverts		\$ _____	\$ _____
10. H & H Study		\$ 10,000	\$ 10,000
11. Wetland Delineation		\$ _____	\$ _____
12. Other <u>Removal and Force</u>		\$ 4,000	\$ 4,000
	Subtotal	\$ 64,000	\$ 64,000
	Total Cost	\$ 184,000	\$ 281,000

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	\$ _____	
	Total \$ _____	



ANDERSON
BRIDGES

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

PROPOSAL

October 12, 2023

To: Pierce County Snowmobile Trail Coordinator

Re: Carter Turner Snowmobile Bridge Budget

- 1 - **100' 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 MCA)**
 - 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: **Pierce County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$160,000

• Structure (Steel Truss)	\$110,000
• Approaches (Fill)	\$2,000
• Engineering	\$10,000
• Site Prep	\$1,000
• Abutments	\$20,000
• Labor	\$10,000
• Rip Rap	\$2,000
• Existing Bridge Removal	\$5,000

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

Please call with any questions.

Thank you,

Kory S. Weathers

Dennis Brever <Dennis.Brever@conteches.com>

Oct 16,
2023,
7:43 AM

to me

Travis

Here is the budget pricing for your project we talked about on the phone last week.

Continental Pedestrian Bridge
Length – 90'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Bridge to be designed to accept a 6-inch-thick cast-in-place concrete deck
Side Dams and End Dams included
Galvanized Form Decking included
Concrete and steel reinforcing to be supplied and installed by others
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$148,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

Continental Pedestrian Bridge
Length – 90'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Nominal 3-inch-thick Treated Wood Decking
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$160,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

Continental Pedestrian Bridge
Length – 110'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Bridge to be designed to accept a 6-inch-thick cast-in-place concrete deck
Side Dams and End Dams included

Galvanized Form Decking included
Concrete and steel reinforcing to be supplied and installed by others
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$200,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

Continental Pedestrian Bridge
Length – 110'-0" Long (out to out of end verticals)
Width – 12'-0" Wide (Clear between rub rails)
Style – Connector H-Section
Finish – Self Weathering Steel
AASHTO LRFD Design
90 PSF Live Load
H-10 (20,000 LB) Vehicle Load
Nominal 3-inch-thick Treated Wood Decking
Steel Toe Rail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Steel Safety Rails
Bearing Pads
Steel Cover Plates on both ends of the bridge

Bridge to be shipped in Two sections

Total Budget Number = \$217,000.00 Plus Tax if applicable (Delivery to Pierce County, WI included)

All excavation & backfill, Foundations, setting of the bridge, and if you go with the cast-in-place concrete deck the rebar and concrete will be supplied and installed by others. All these cost will need to be added to the bridge pricing for your final installed cost for your grant.

Please let me know if you have any questions or need anything else for this project.

Thanks,

Dennis Brever – Truss Consultant
Contech Engineered Solutions LLC
Office 320-345-9337
Cell 320-304-3595
Dennis.Brever@conteches.com

Guidelines for Applicant

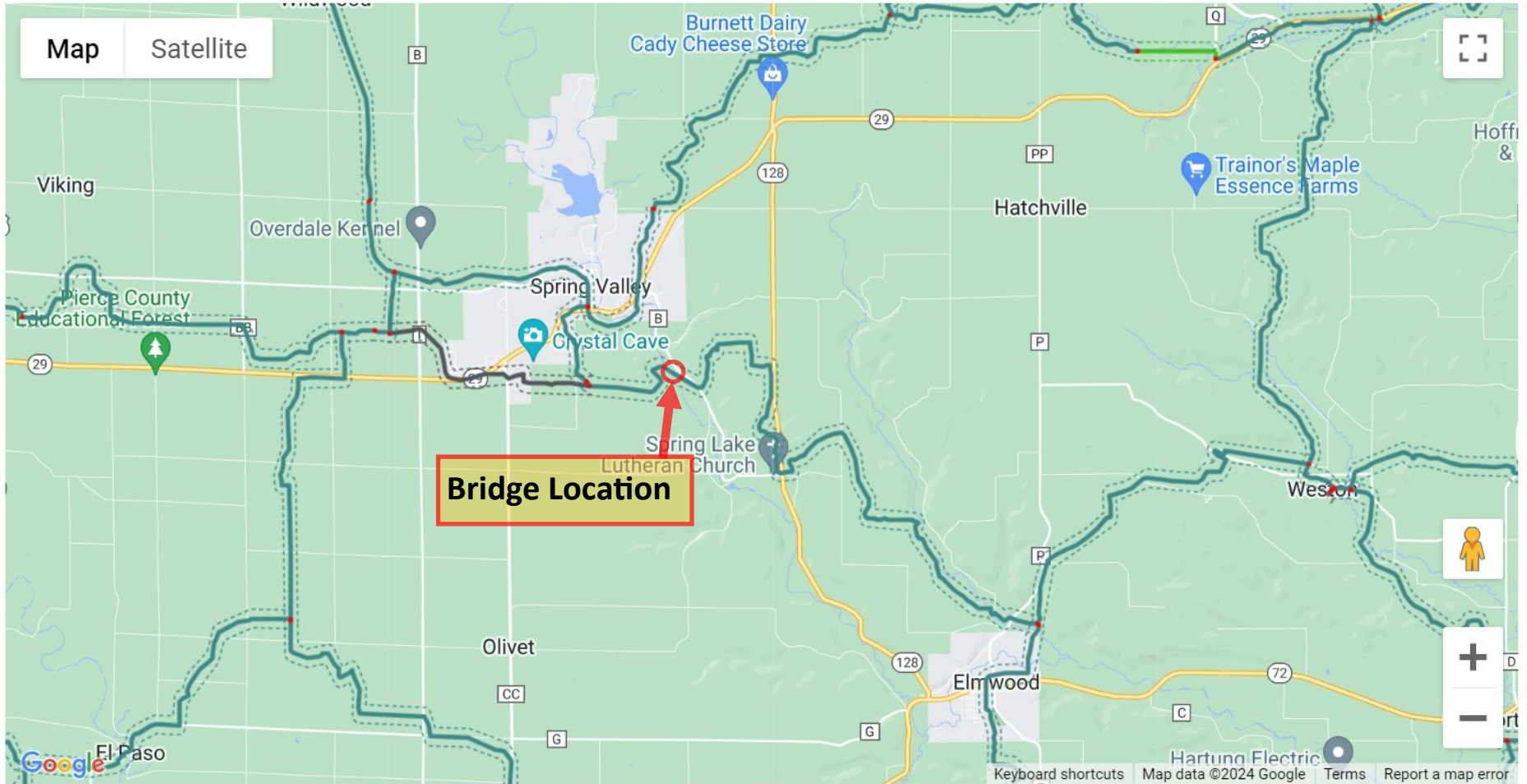
Complete this form for each bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.

Category		Possible Points	Actual Points
1	Condition of the Structure (max of 10 points)		
	Has a certified bridge inspection report that supports the project & demonstrates need (see example, must provide copy of report by August 1 for 2024 only)	10	10
2	Permits (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	1
	Permit in hand / Bridge already permitted	3	
3	Funding (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)?	2	
	11% - 49% from other funding source(s)?	1	
4	Length of Written Easements or Land Use Agreement (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	
	10 or more year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	5	
	3-9 year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	4	
	10 or more year deeded easement on private land or other public land, for <u>just the bridge site</u>	3	
	3-9 deeded easement on private land or other public land, for <u>just the bridge site</u>	2	
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	1
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	
5	Miles Impacted – How many miles will need to rerouted if the structure is not replaced? Measured from nearest intersection on both sides of the bridge. (max 4 points)		
	Less than 20 miles	1	
	20 miles or more	3	3
	No other snowmobile trails connect. Explain:	4	
	DEDUCTIONS		
6	County Active Project Deduction (maximum deduction 1 point) A snowmobile active project is one that has exceeded it's initial grant period.		
	Two or more active projects - deduct 1 point	-1	
GRAND TOTAL			15

Comments/Notes:

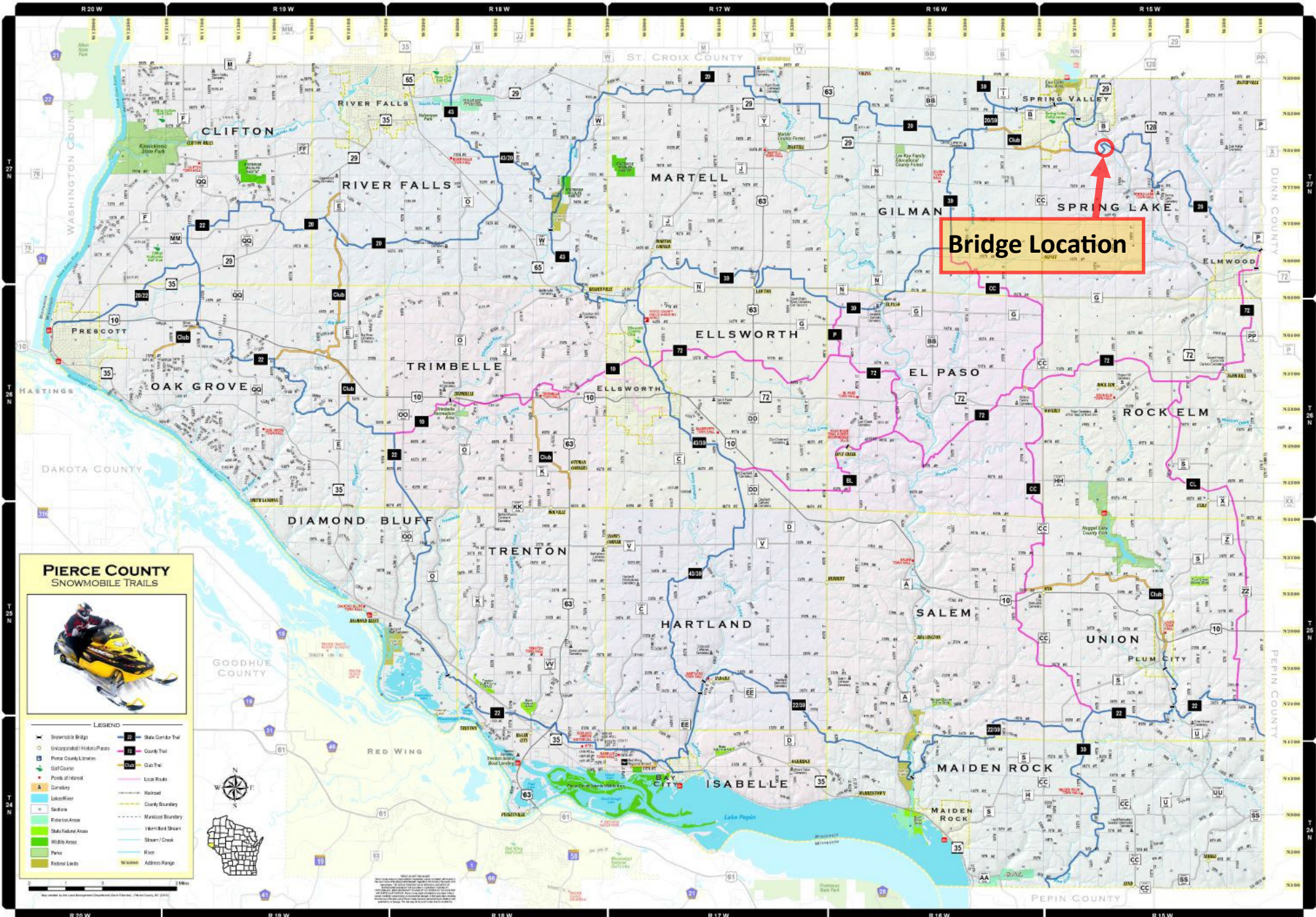
Bridge Location Map

SNARS



- Eligible Detour
- Flagged Road Route
- Funded
- Funded - Long Term Re-Route
- Funded - Short Term Re-Route
- Ineligible road route
- Integral Road Route
- Non-Funded
- Non-Funded - Long Term Re-Route
- Non-Funded - Short Term Re-Route
- Pending Funded
- Road Route

Bridge Location Map



Bridge Location

PIERCE COUNTY SNOWMOBILE TRAILS



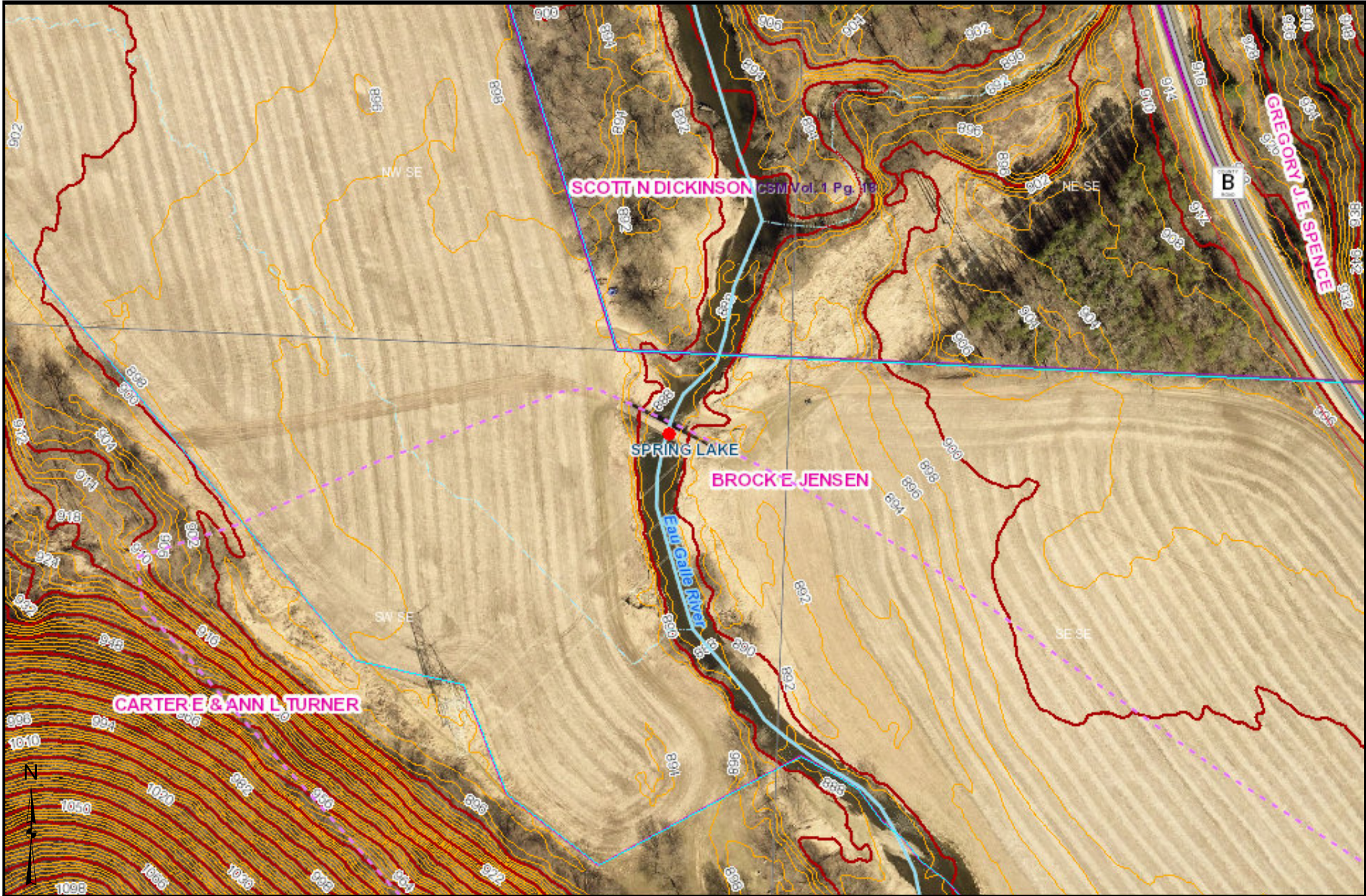
LEGEND

- Snowmobile Bridge
- Unincorporated/Historic Places
- Pierce County Utilities
- Golf Course
- Point of Interest
- Cemetery
- Lakes/River
- Sadows
- Fish on Area
- State Natural Area
- Wildlife Area
- Park
- Federal Lands
- State County Trail
- County Trail
- Club Trail
- Local Road
- Railroad
- County Boundary
- Municipal Boundary
- Watered Stream
- Stream/Creek
- River
- Address Range



Scale: 0 to 2 Miles

Map created by the Land Resources Department, Pierce County, MN, 2019



These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

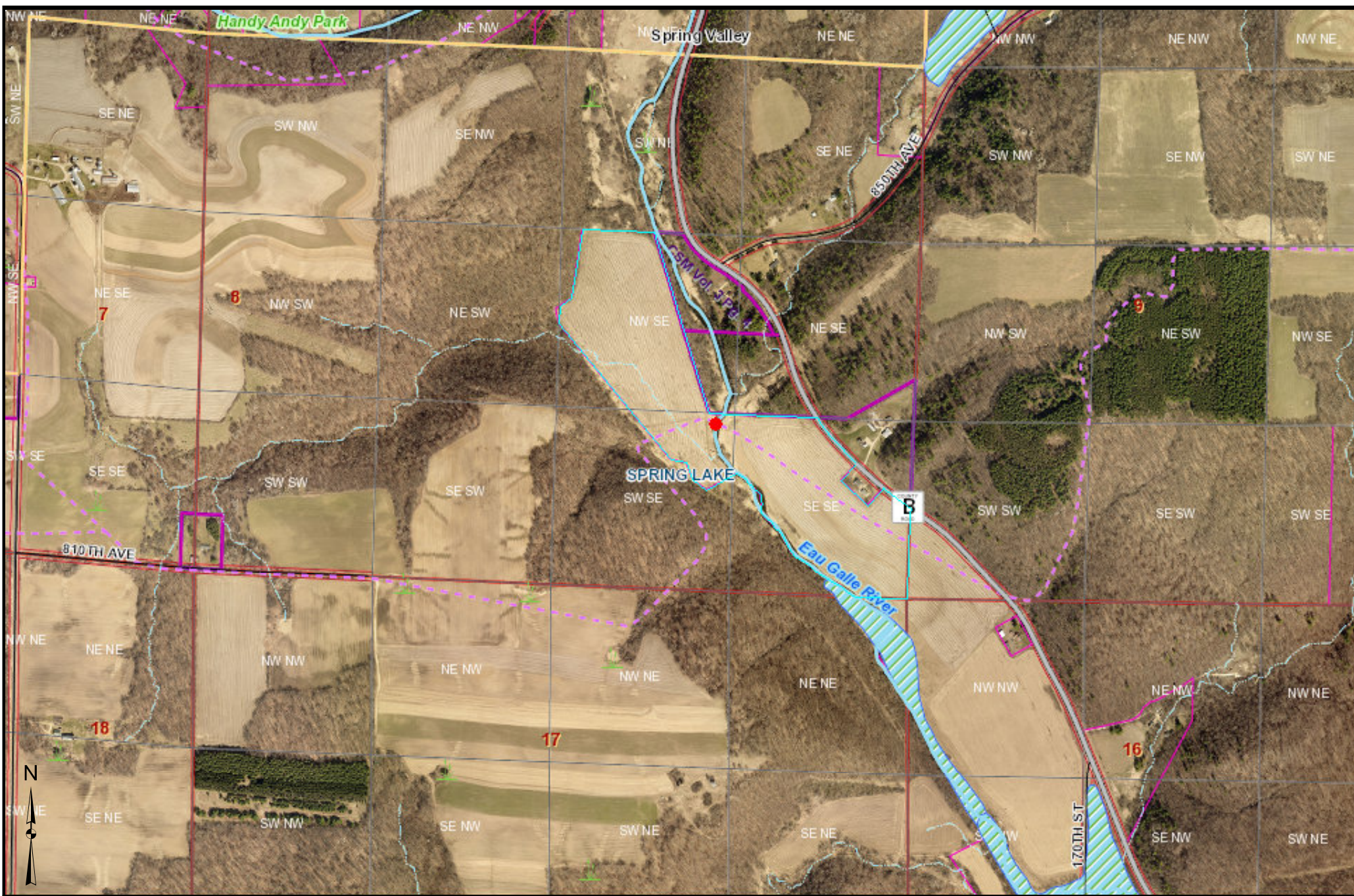
Close up

1:1,664

Date: 4/14/2024



This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.



These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.

Aerial Plat and Wetland Map

Trails are pink dashed line, Wetlands are blue areas south of bridge

1:11,092	Date: 4/14/2024
This map is not a substitute for accurate field surveys or for locating actual property lines and any adjacent features.	

Pierce County, WI



Report Summary for Jensen Bridge.

NBI Ratings

	File	New
Deck		3
Superstructure		6
Substructure		7
Culvert		
Channel		6
Waterway		

Structure Specific Notes

Structure is a steel girder bridge. 18" x 6" x 1/2" girders. There is minor freckled rust widespread on the girders. Abutments are 12" x 8' w x 7' H poured concrete in good condition. Wooden deck has multiple boards with severe decay and most others in poor condition. Deck should be replaced. Channel has some minor scour issues around the South approach.

5/28/24 Bradley A. Taplin.

Bradley A. Taplin Insp. No. 6522



Approach from the south. Groomers are unable to cross this bridge and take a river crossing instead.



River Crossing used by groomer. Rocks and ice get stuck in the tracks and cause issues.



Approach from the north. Groomers are unable to cross this bridge and take a river crossing instead.



River Crossing used by groomer. Rocks and ice get stuck in the tracks and cause issues.



Groomers are wider than the main structure



I-Beams are not continuous sections. Plates hold them together.



Set high on narrow concrete abutments. The main structure is also very narrow.



The riding lawn mower in the upper right corner made the bridge wiggle when crossing (Landowner)



Set high on narrow concrete abutments. Rip rap missing so bridge has little protection



Not sure if this is just a pour line or a crack in the abutment



Shows the I-Beam on this side also plated together.



The area is in need of more rip rap to protect the bridge



Though appears to be well built it still wiggles under a light load. Welds don't appear as strong as they should



This may be because of the span over such narrow concrete supports

**SNOWMOBILE TRAIL
LAND USE AGREEMENT
PIERCE COUNTY, WISCONSIN**

This **AGREEMENT** made this 11 day of April, 2024, by and between Brock E Jensen, of Pierce County Wisconsin, **GRANTOR**, and Pierce County Snowmobile Council Club and Snow Valley Riders, **GRANTEE**.

WHEREAS, the **GRANTEE** through its Pierce County Snowmobile Council, desires to construct the aforementioned snowmobile trail in a no less than twelve foot wide and not to exceed a sixteen foot wide corridor, on and across the property of the **GRANTOR**.

NOW THEREFORTH in WITNESSETH:

The **GRANTOR** offers to the **GRANTEE** the right commencing on the 1st day of November of the year, through the last day of March of the following year to construct, operate and maintain a public snowmobile trail on, over and across the following described property.

Spring Lake Township, T27N R15W Range 8 Section

In order to accomplish the purpose of this agreement, the **GRANTEE** intends to place or construct the following item (s) on the above stated property.

 Gate X Bridge X 16 Foot Corridor X Other (10 year land use agreement - until 2034)

All Physical improvements remain the property of the **GRANTEE** and may be removed when the property ceases to be used as a snowmobile trail.

It is understood by both the **GRANTOR** and the **GRANTEE**, that this agreement is subject to the following conditions:

- 1) **GRANTOR** shall not incur any expense for the construction or operation of the snowmobile trail.
- 2) This agreement is non-transferable by the **GRANTEE**.
- 3) No unnecessary removal of vegetation will be done. No trees shall be cut without permission from the **GRANTOR**. Any trees cut will remain the property of the **GRANTOR**.
- 4) **GRANTEE** shall indemnify and hold harmless for injury to person or property arising from the use of snowmobiles on the described property. Further protection provided to property owner, is identified under Wisconsin's Recreational Use Statute 895.52.
- 5) Necessary fence removal shall be only by approval of the **GRANTOR** and any replacement shall be made by the **GRANTEE**.
- 6) This agreement shall be automatically self-renewing for successive periods of one year.
- 7) **GRANTOR** may terminate this agreement only by giving written notice thereof by certified or registered mail at the **GRANTEE'S** mailing address set forth below to **GRANTEE** prior to September 1st of any year.
- 8) Additional conditions will be valid if enumerated on the reverse side of this document and initialed by both parties.

GRANTEE:

Snow Valley Riders
PIERCE COUNTY SNOWMOBILE COUNCIL CLUB

Dustin Timm
CLUB REPRESENTATIVE NAME

[Signature] 4/11/24
Signed Date

Official Address
Pierce County Snowmobile Council
C/O Nugget Lake County Park
N4351 Co. Rd. HH
Plum City, WI. 54761
PH: (715) 639-5611

GRANTOR:

Brock Jensen
PROPERTY OWNER

W1820 770th Ave S.V. WI 54767
OWNER ADDRESS

[Signature] 4/11/24
Signed Date

Copies:

Property Owner
Snowmobile Club
Snowmobile Coordinator