

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

ATV/UTV Trail Aid

Snowmobile Trail Aid

Due Date: April 15

Notice: Completion of this form is required under Wisconsin Statutes 23.09(26) and 23.33. Failure to complete this form will result in denial of financial assistance. Personally identifiable information found on this form is not intended to be used for any other purpose. The Department of Natural Resources (DNR) may provide this information to requesters as required by Wisconsin's Public Records law {ss. 19.31 – 19.39, Wis. Stats.}.

Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your [Community Services Specialist](#).

DNR Use Only	
Category	Number

Section 1: Applicant Information

Applicant / Organization Name Taylor County Forestry and Recreation 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 Alex Solawetz			Check Recipient Name (Name to Appear on Check) Alex Solawetz		
Title County Forest Assistant Administrator			Title County Forest Assistant Administrator		
Address 224 S. 2nd Street			Address 224 S. 2nd Street		
City Medford	State WI	ZIP Code 54451	City Medford	State WI	ZIP Code 54451
Telephone Number (715) 748-1486		Email Address alex.solawetz@co.taylor.wi.us			

Section 2: Project Information Required for all Projects

Project Title Kuenze Bridge Replacement (Corridor 18 Black River)					Current Funded Miles 348.8	New Miles (if applicable)
County Taylor	Township 31 N	Range 1	Section 9	¼ ¼ NE	¼ NE	GPS Coordinates: Lat. 45.188756 Long. -90.355913

Project Description Summary

Taylor County is proposing to construct a clear-span bridge on driven pile with open ramp approach for crossing the Black River on a short proposed reroute of snowmobile corridor #18 at corridor #23. The landowner has been consulted and has agreed to sign a 10-year trail easement with the local snowmobile club. The trail receives snowmobile and winter ATV funds. There are safety concerns with continued use of the existing bridge. The current bridge was constructed using a semi trailer frame. It is narrow and the decking and railing are well beyond their service life. Existing bridge span is also at a height where high water levels are obstructed by the bridge and debris is able to collect on and around it.

Taylor County is requesting this project be split 50/50 between ATV and Snow.

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

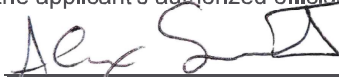
Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$144,000.00		\$144,000.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Alex Solawetz	Official's Title County Forest Assistant 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

4-10-24  
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 <b>Taylor</b>	Township <b>31 N</b>	Range <b>1</b>	<input checked="" type="radio"/> E <input type="radio"/> W	Section <b>9</b>	¼ ¼ <b>NE</b>	¼ <b>NE</b>	GPS Coordinates: Lat. <b>45.188756</b> Long. <b>-90.355913</b>
Water Body Name <b>Black River</b>				Bridge Name <b>Kuene</b>		County Inventory Number <b>"Kuene"</b>	
Funded Trail Name or Number (SNARS if applicable) <b>Corridor 18</b>				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 <b>12'x48'</b> New Bridge/Culvert Size <b>12'x45'w/12'x45' approach span</b>			
Landowner Where Bridge is Located <b>MARVIN A &amp; JOANNE M KUENNE</b>				Telephone Number <b>(715) 748-2149</b>		Length of Trail Use Agreement (5 year minimum) <b>20 years</b>	
Current maximum load _____ lbs.		Age of Bridge <b>29</b>		Bridge Material <b>Steel frame with wooden deck</b>			
Proposed maximum load <b>25,000</b> lbs.							
Sponsoring Club Name <b>We-Whittlesey Whizzers</b>				Club Contact <b>Dave Roiger</b>		Telephone Number <b>(715) 965-6166</b>	
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? <b>20,000lbs</b>			
What is the weight of your puller & drag/grading equipment? <b>15-20,000lbs</b>							
What other recreational trail uses are planned for this bridge? <b>Snowmobile and winter ATV use only.</b>							
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**

Taylor County is proposing to construct a clear-span bridge on driven pile with open ramp approaches for crossing the Black River on a short proposed reroute of snowmobile corridor #18 at corridor #23. The landowner has been consulted and has agreed to sign a 10-year trail easement and capitol improvement easement. The trail receives snowmobile and winter ATV funds. There are safety concerns with continued use of the existing bridge. The current bridge was constructed using a semi trailer frame. It is narrow and the decking and railing are well beyond their service life. Existing bridge span is also at a height where high water levels are obstructed by the bridge and debris is able to collect on and around it. Winter ATV use of trail is allowed after trails have been open to snowmobiles and have accumulated snowpack. Use by ATVs is not allowed when temperature is above 28 degrees. UTVs are not allowed on Taylor County snowmobile trails.

**Appendix A (continued)**

**Summarize Costs in Appropriate Categories:**

Bridge Structure			
		Quote 1	Quote 2
		<input checked="" type="radio"/> Steel <input type="radio"/> Wooden	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden
Bridge Dimensions:		45'X12'	45'x12'
Bridge Manufacturer:	Anderson Bridges		Wheeler
Design Weight Load		25,000 lbs.	25,000 lbs.
Cost of Structure:	1. Engineering	\$ 8,000	\$ _____
	2. Structure	\$ 84,000	\$ 88,000
	<b>Subtotal</b>	<b>\$ 92,000</b>	<b>\$ 88,000</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	\$ _____	\$ 90,000
	2. Site Preparation	\$ 10,000	\$ _____
	3. Abutments	\$ 24,000	\$ _____
	4. Pilings/Piers	\$ _____	\$ 16,000
	5. Approaches	\$ _____	\$ _____
	6. Riprap	\$ 4,000	\$ _____
	7. Labor	\$ 10,000	\$ _____
	8. Equipment Rental	\$ _____	\$ _____
	9. Culverts	\$ _____	\$ _____
	10. H & H Study	\$ 3,000	\$ 3,000
	11. Wetland Delineation	\$ _____	\$ _____
	12. Other Permit	\$ 1,000	\$ 1,000
	<b>Subtotal</b>	<b>\$ 52,000</b>	<b>\$ 110,000</b>
	<b>Total Cost</b>	<b>\$ 144,000</b>	<b>\$ 198,000</b>

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

<b>Entire Deck and Railing Projects</b>	<input type="radio"/> Contractor <input type="radio"/> Sponsor <input type="radio"/> Club
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Bridge Dimensions: \_\_\_\_\_

Design Weight Load \_\_\_\_\_ lbs.

1. Materials \$ \_\_\_\_\_

2. Labor \$ \_\_\_\_\_

**Total \$ \_\_\_\_\_**

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

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

County <b>Taylor</b>	Township <b>31 N</b>	Range <b>1</b>	<input checked="" type="radio"/> E <input type="radio"/> W	Section <b>9</b>	1/4 1/4 <b>NE</b>	1/4 <b>NE</b>	GPS Coordinates: Lat. <b>45.188756</b> Long. <b>-90.355913</b>
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Funded Trail Name or Number (SNARS if applicable) <b>Corridor 18</b>	Has this trail ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No    Year: _____ \$ _____
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Trail is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property	Length of Easement or Landowner Use Agreement <b>10</b> years	Expiration Date <b>04/12/2044</b>
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Landowner Where Trail is Located <b>MARVIN A &amp; JOANNE M KUENNE</b>	Telephone Number <b>(715) 748-2149</b>
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What other recreational trail uses are planned for this trail?

**Snowmobile and Winter ATV**

If there are other Recreational uses planned, how much of the trail development/rehab. cost will be paid for by other users?

**0**

How many miles would be affected if this project is not funded? <b>5.4</b>	Will this result in closure of a trail? <input checked="" type="radio"/> Yes <input type="radio"/> No
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Is this a critical section to the overall trail system? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is there a reasonable alternative? <b>Reroute is within same ownership as current trail and provides a more logical location for new bridge (see map)</b>
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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? <b>20,000</b> 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**

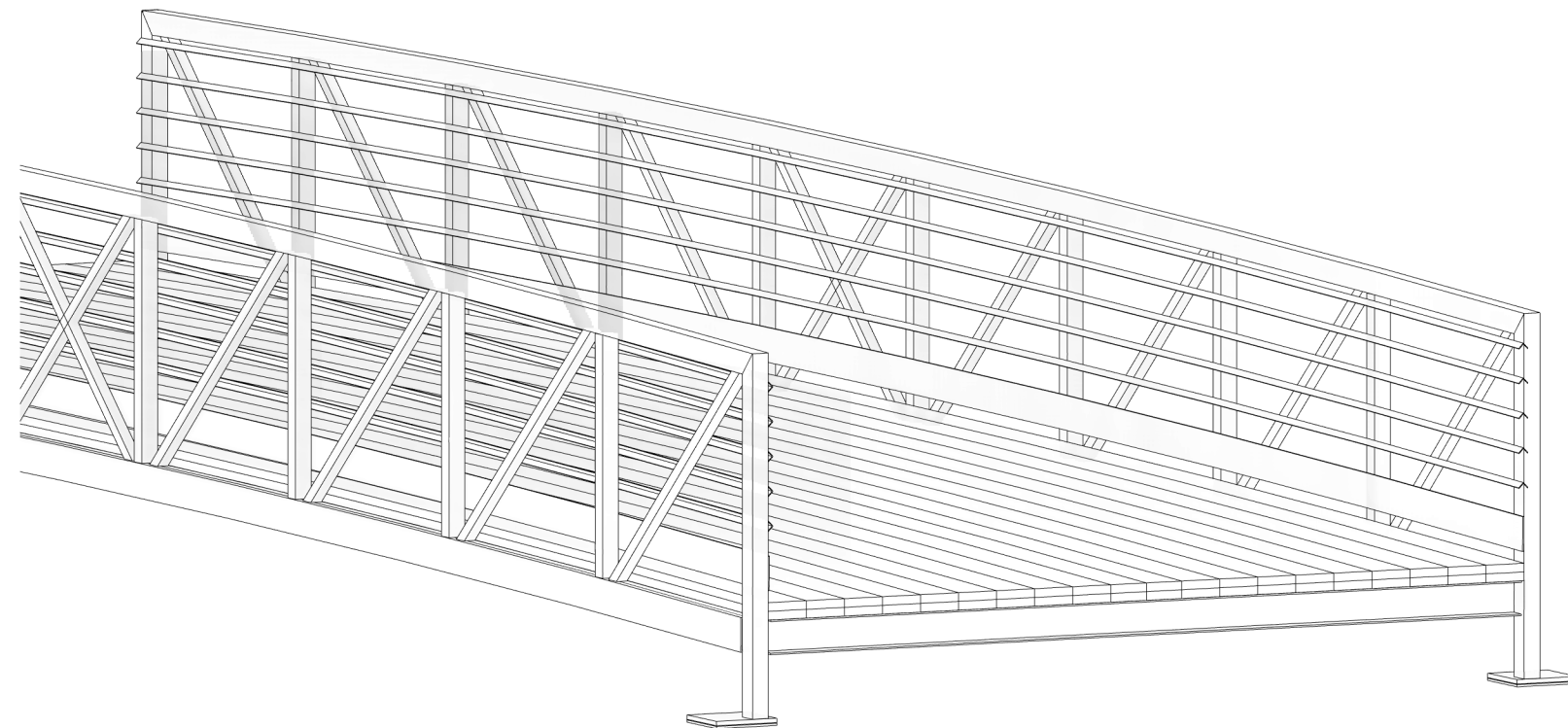
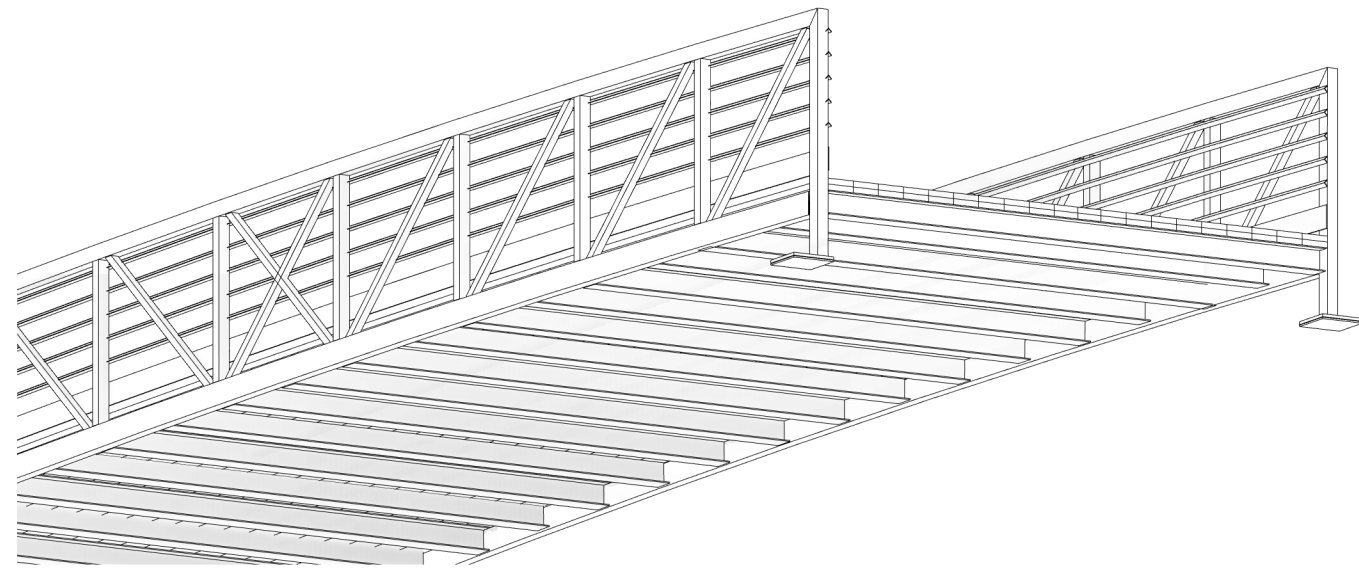
There is a short reroute associated with the placement of this proposed bridge over the Black River. The new trail and bridge will be within same privately owned parcel as the trail and bridge to be abandoned/removed. The short section of trail proposed to be abandoned involves 2 sharp right angles between the river and the landowners pasture fence. The re-route does not follow wire fence, does not contain sharp corners, and is therefore safer. The proposed reroute is already clear and will require no additional funding to make it ready once the bridge is installed. The proposed reroute is shorter than the current trail and will result in a reduction of about 150ft in trail length. The loss of river crossing here would dead end a segment of trail approximately 5.4 miles long from trail corridor 23 to trail route E.

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	<b>Condition of the Structure</b> (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	0
2	<b>Permits</b> (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	0
3	<b>Funding</b> (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)? <b>ATV funds applied for</b>	2	<del>0</del> 2
	11% - 49% from other funding source(s)?	1	0
4	<b>Length of Written Easements or Land Use Agreement</b> (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	0
	10 or more year <b>deeded easement</b> 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	5
	3-9 year <b>deeded easement</b> 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	0
	10 or more year <b>deeded easement</b> on private land or other public land, for <u>just the bridge site</u>	3	0
	3-9 <b>deeded easement</b> 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	0
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	0
5	<b>Miles Impacted</b> – 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	1
	20 miles or more	3	
	No other snowmobile trails connect. Explain:	4	
	<b>DEDUCTIONS</b>		
6	<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	0
<b>GRAND TOTAL</b>			7

Comments/Notes:



### STRUCTURAL SHEET INDEX

- INDICATES DRAWINGS ARE BEING ISSUED
- S INDICATES DRAWINGS ARE BEING ISSUED AND SIGNED FOR THE FIRST TIME
- ▲ INDICATES DRAWINGS ARE BEING ISSUED ON SMALL SHEETS OR WRITE UP
- R INDICATES DRAWINGS ARE BEING ISSUED FOR REFERENCE ONLY (NOT FOR CONSTRUCTION)

SHEET #	ISSUE					SHEET TITLE
	NFC SET - 2023.09.07					
S1	•					STRUCTURAL COVER SHEET
S2	•					STRUCTURAL NOTES
S3	•					PLAN / ELE / MATL LIST
S4	•					SECTION & DETAILS
S5	•					SECTIONS & DETAILS

### BRIDGE REACTIONS

DESCRIPTION	P (LBS)	H (LBS)	L (LBS)	V (LBS)
DEAD LOAD	4,500	-	-	-
UNIFORM LIVE LOAD	8,100	-	-	-
VEHICLE LOAD	-	-	-	25,000
WIND UPLIFT 20 PSF	-4,000/+1,400	-	-	-
WIND	+/- 400	1,800	-	-
SNOW	4,100	-	-	-
THERMAL	-	-	540	-

"P" - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE)  
 "H" - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE)  
 "L" - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)  
 "V" - CONCENTRATED LIVE LOAD EACH END OF BRIDGE (2 PER BRIDGE)

UHMW PAD COEFF. = 0.12

BRIDGE SELF WEIGHT: 18,000 LBS

+ = UNFACTORED DOWNWARD LOAD  
 - = UNFACTORED UPWARD LOAD

#### OVERALL PROJECT NOTES:

1.) 3D VIEWS SHOWN ON THE CONTRACT DOCUMENTS ARE FOR REFERENCE ONLY



Anderson Bridges, LLC  
 111 Willow Street  
 Colfax, WI 54730  
 Office: 715-962-2800  
 Fax: 715-962-2801

**ERA**  
**STRUCTURAL ENGINEERING**  
 3410 Oakwood Mall Dr.  
 Suite 300  
 Eau Claire, WI 54701  
 715.552.5336  
 www.eraeng.com

45' SNOWMOBILE BRIDGE

STRUCTURAL COVER SHEET

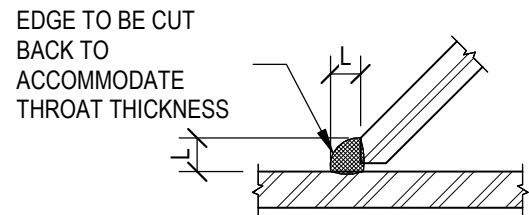
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the contract and the current "Wisconsin Department of Resources bridge guidelines for snowmobile and All-Terrain vehicle bridges."

No	Date	Revision Description

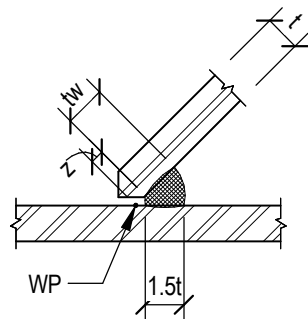
Date: 2023.09.07  
 Drawn by: MJD  
 Checked by: RTJ

Drawing Number:

**S1**

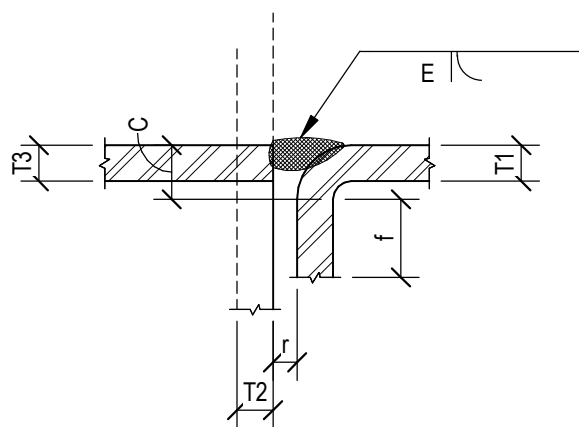


1 **TYP TOE CONDITION WELD**  
S2 NO SCALE



"z" LOSS DIMENSION DETERMINED IN ACCORDANCE WITH AWS D1.1 (SEE TABLE)

2 **TYP HEAL CONDITION WELD**  
S2 NO SCALE



3 **TYP FLARE-BEVEL WELD**  
S2 NO SCALE

GENERAL STRUCTURAL NOTES

A. DESIGN REFERENCES

1. STRUCTURAL STEEL SHALL BE DESIGNED IN ACCORDANCE WITH THE "WISCONSIN DEPARTMENT OF RESOURCES (DNR) BRIDGE GUIDELINE FOR SNOWMOBILE AND ALL TERRAIN VEHICLE BRIDGES". WELDED HSS CONNECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE/AMERICAN WELDING SOCIETY (ANSI/AWS D1.1), AND/OR AISC "SPECIFICATION FOR THE DESIGN OF STEEL HOLLOW STRUCTURAL SECTIONS".

B. DESIGN LOADING INFORMATION

1. LOADING:
  - 60 PSF UNIFORM LIVE LOAD
  - 20 PSF WIND LOAD (FULL PROJECTED AREA)
  - 30 PSF SNOW LOAD
  - 25,000# VEHICLE LOAD (SEE NOTE "2")
2. 90 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 25,000# VEHICLE LOAD. THE VEHICLE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF LOAD ON REAR WHEELS. THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESS IN EACH MEMBER, INCLUDING DECKING.

C. FABRICATION

1. WELDING SHALL CONFORM TO THE APPROPRIATE PROVISIONS OF THE ANSI/AWS D1.1 STRUCTURAL WELDING CODE AND/OR ANSI/AWS D1.5 BRIDGE WELDING CODE. WELDING ELECTRODES SHALL BE A MINIMUM E80. UNLESS SHOWN OTHERWISE WELDS SHALL BE MINIMUM RECOMMENDED BY AWS.
2. ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE COMPLETE PENETRATION TYPE WELDS ON BOTH SIDES WITH A PARTIAL PENETRATION GROOVE WELD ON THE TOP SIDE AND A FILLET WELD ON THE BOTTOM SIDE.
3. UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAUGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
  - 3.1. BOTH ENDS OF VERTICALS, DIAGONALS, & FLOOR BEAMS SHALL BE WELDED ALL AROUND.
  - 3.2. BRACES/DIAGONALS WILL BE WELDED ALL AROUND.
  - 3.3. MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS.

D. MATERIAL/INFORMATION

1. STRUCTURAL STEEL (Fy=50 KSI) SHALL BE HIGH STRENGTH, LOW ALLOY, ATMOSPHERIC CORROSION RESISTANT ASTM 847 COLD-FORMED WELDED SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS, AND/OR ASTM A588 PLATE AND STRUCTURAL STEEL SHAPES.
2. WOOD DECKING SHALL BE 2 LAYERS OF MCA TREATED 2" NOMINAL #1 SOUTHERN YELLOW PINE (SYP)
  - ALLOWABLE BENDING = 1,250 PSI
  - ALLOWABLE SHEAR = 175 PSI
  - MODULOUS OF ELASTICITY = 1,600,000 PSI

E. FINISHING

1. ALL STEEL REQUIRING BLAST CLEANING SHALL BE BLAST CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL PREPARATIONS SPECIFICATIONS NO. 7 BRUSH OFF BLAST CLEANING, SSPC-SP7, LATEST EDITION.



Anderson Bridges, LLC  
111 Willow Street  
Colfax, WI 54730  
Office: 715-962-2800  
Fax: 715-962-2801



45' SNOWMOBILE BRIDGE

STRUCTURAL NOTES

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the contract and the current "Wisconsin Department of Resources bridge guidelines for snowmobile and All-Terrain vehicle bridges."

No	Date	Revision Description

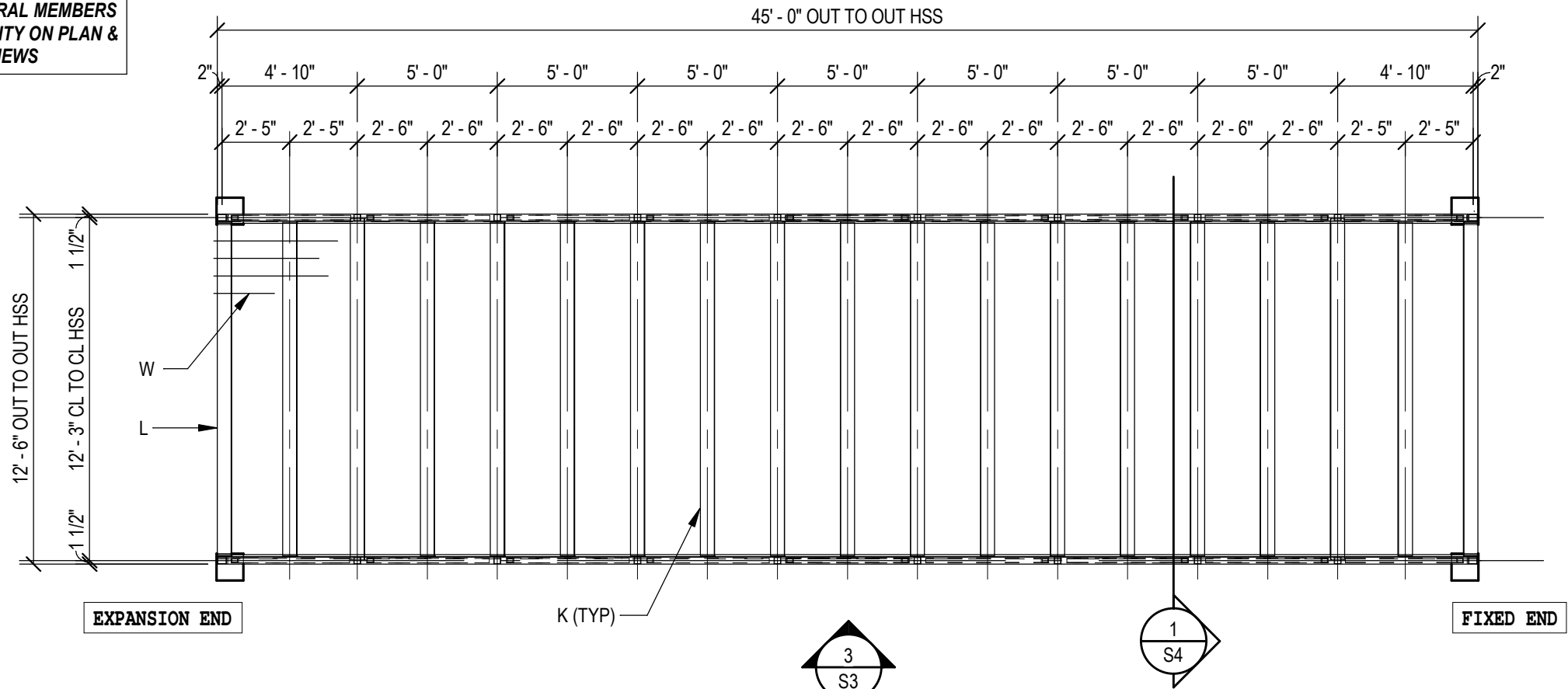
Date:	2023.09.07
Drawn by:	MJD
Checked by:	RTJ

Drawing Number: **S2**

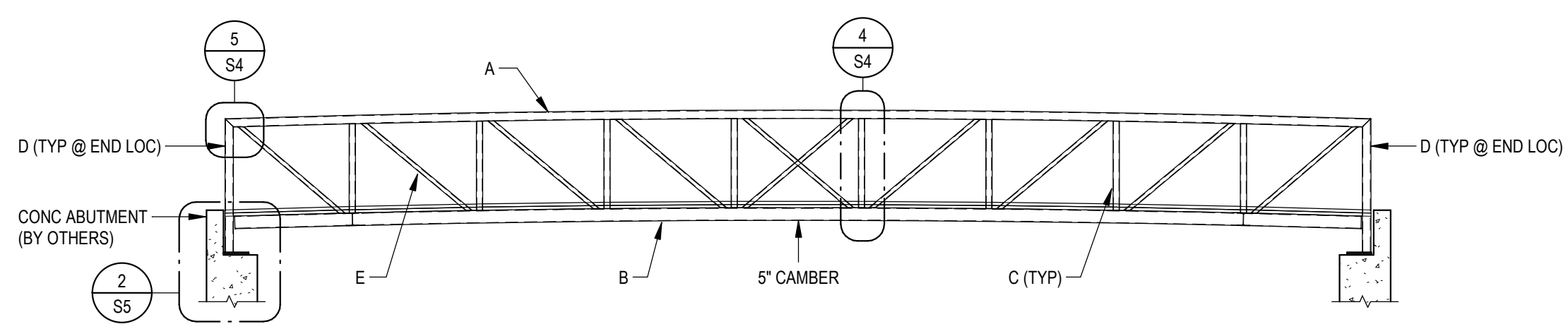
**MATERIAL LIST**

MARK	DESCRIPTION	LOCATION
A	HSS4 X 3 X 1/4	TOP CHORD
B	HSS6 X 3 X 1/4	BOTTOM CHORD
C	HSS3 X 3 X 1/4	TYP VERT
D	HSS4 X 3 X 1/4	TYP END VERT
E	HSS2 X 2 X 1/4	TYP DIAGONAL BRACE
K	W6 X 15	TYP FLOOR BEAM
L	W6 X 15	END FLOOR BEAM
M	L1 1/4 X 1 1/4 X 1/8	SAFETY ANGLE RAIL
N	1/4" X 0' - 6" x CONT	TOE KICK PLATE
P	3/4" X 11 1/2" X 11 1/2"	3/4" BEARING PLATE
Q	1/8" X 11 1/2" X 11 1/2"	UHMW POLY PAD
R	3/8" X 11 1/2" X 11 1/2"	3/8" STEEL PLATE
W	2 LAYER 2" NOM #1 SYP(TREATED MCA)	TYP FLOOR DECKING

**NOTE: SOME STRUCTURAL MEMBERS NOT SHOWN FOR CLARITY ON PLAN & ELEVATION VIEWS**



**1 PLAN VIEW BRIDGE**  
3/16" = 1'-0"



**3 BRIDGE ELEVATION**  
3/16" = 1'-0"

**ANDERSON BRIDGES**  
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111 Willow Street  
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**45' SNOWMOBILE BRIDGE**

**PLAN / ELE / MATL LIST**

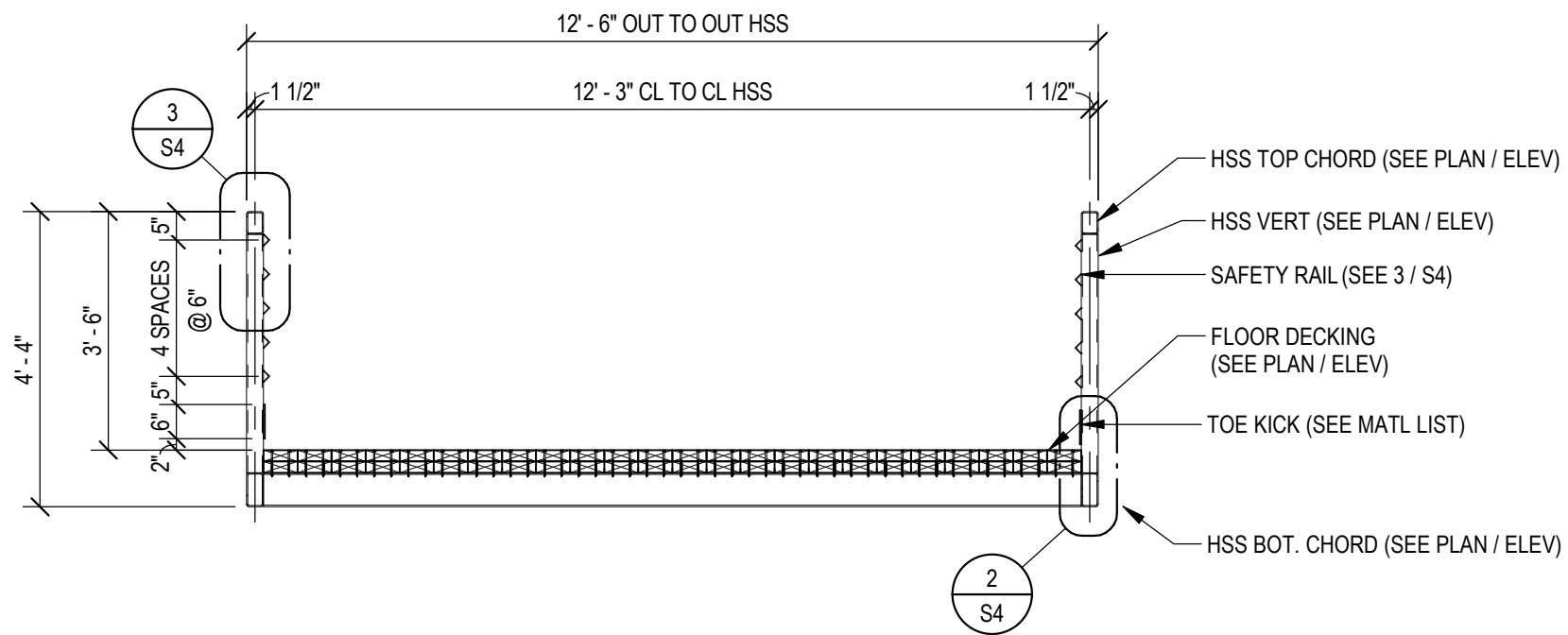
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the contract and the current "Wisconsin Department of Resources bridge guidelines for snowmobile and All-Terrain vehicle bridges."

No	Date	Revision Description

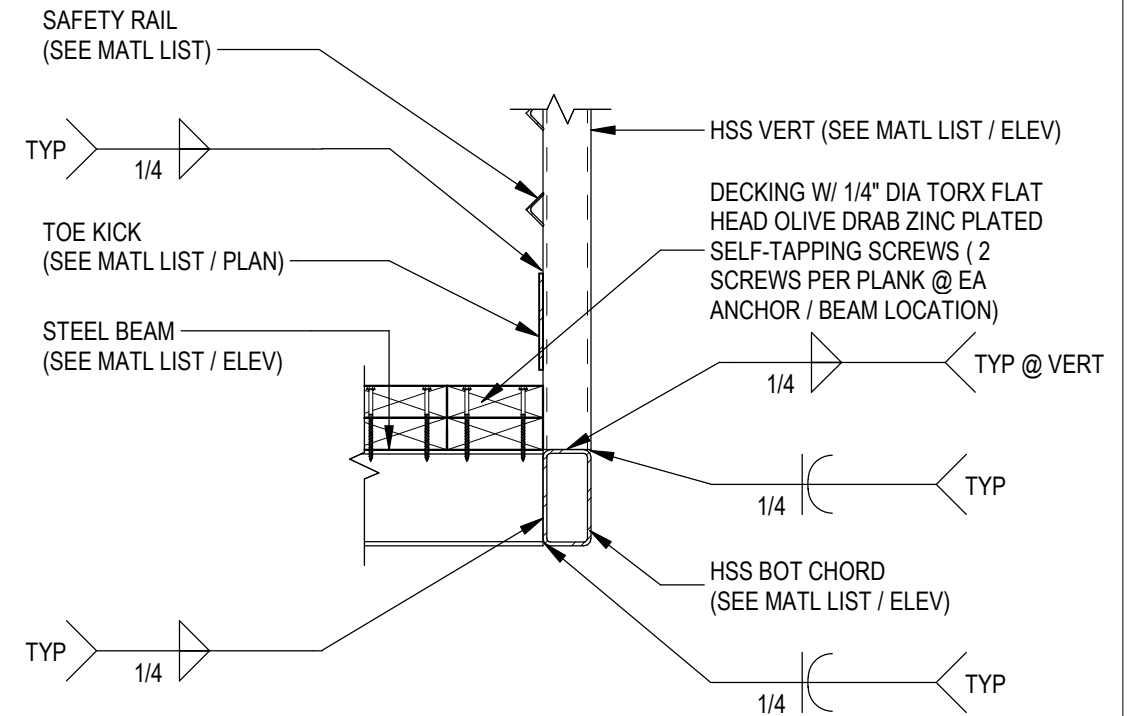
Date: 2023.09.07  
Drawn by: MJD  
Checked by: RTJ

Drawing Number:  
**S3**

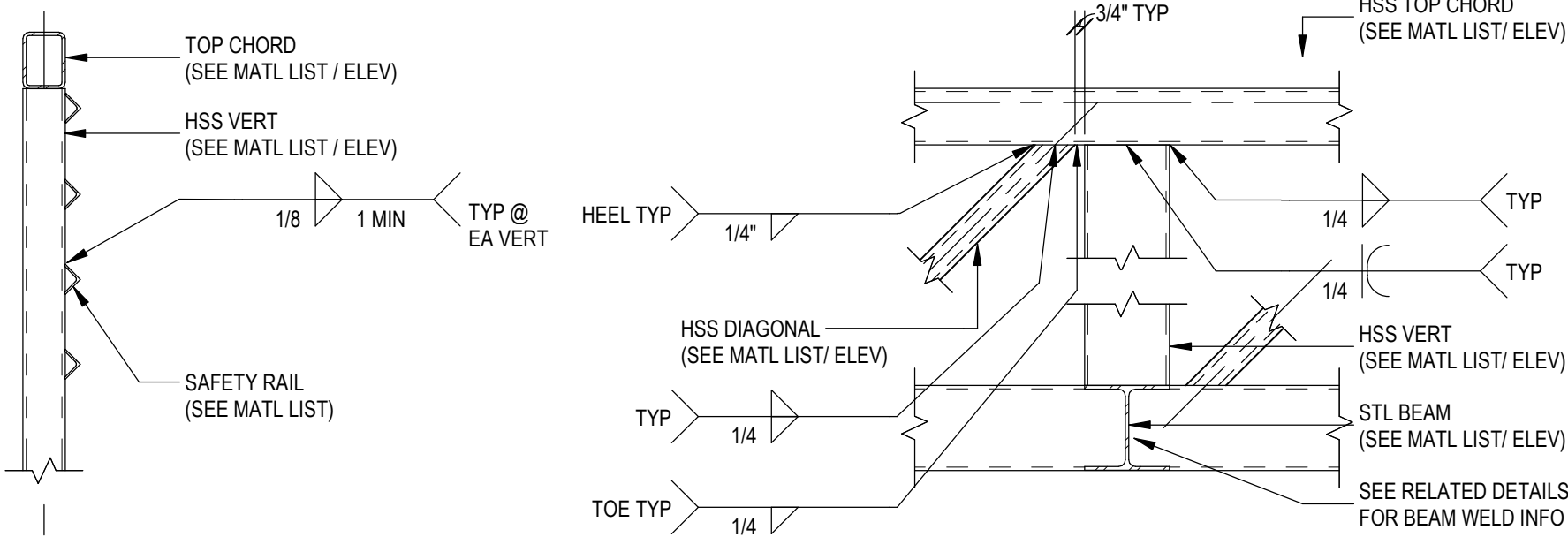




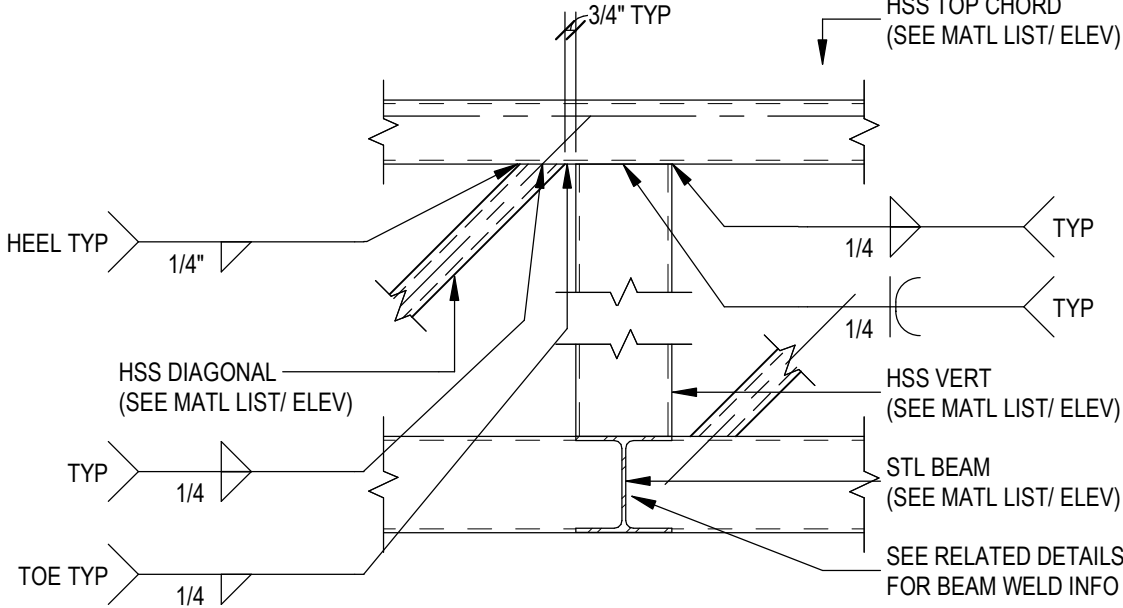
1 BRIDGE CROSS SECTION  
3/8" = 1'-0"



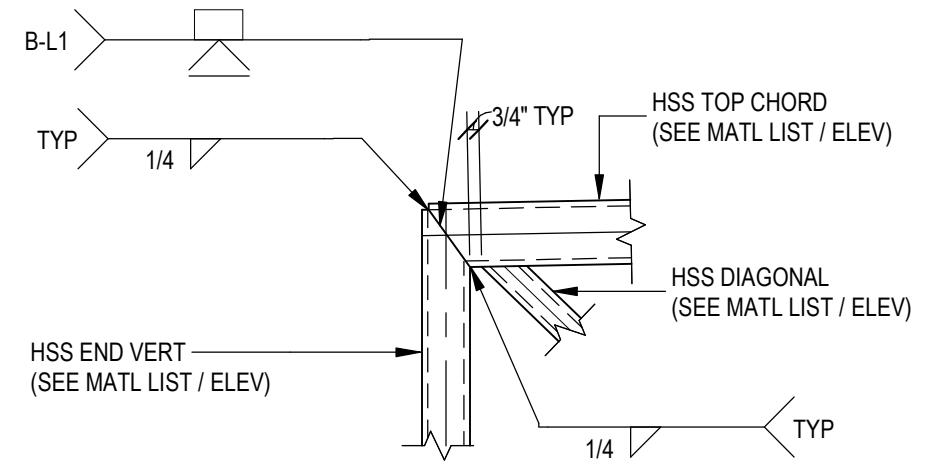
2 LOWER BRIDGE SECTION  
NO SCALE



3 SAFETY RAIL SECTION  
1" = 1'-0"



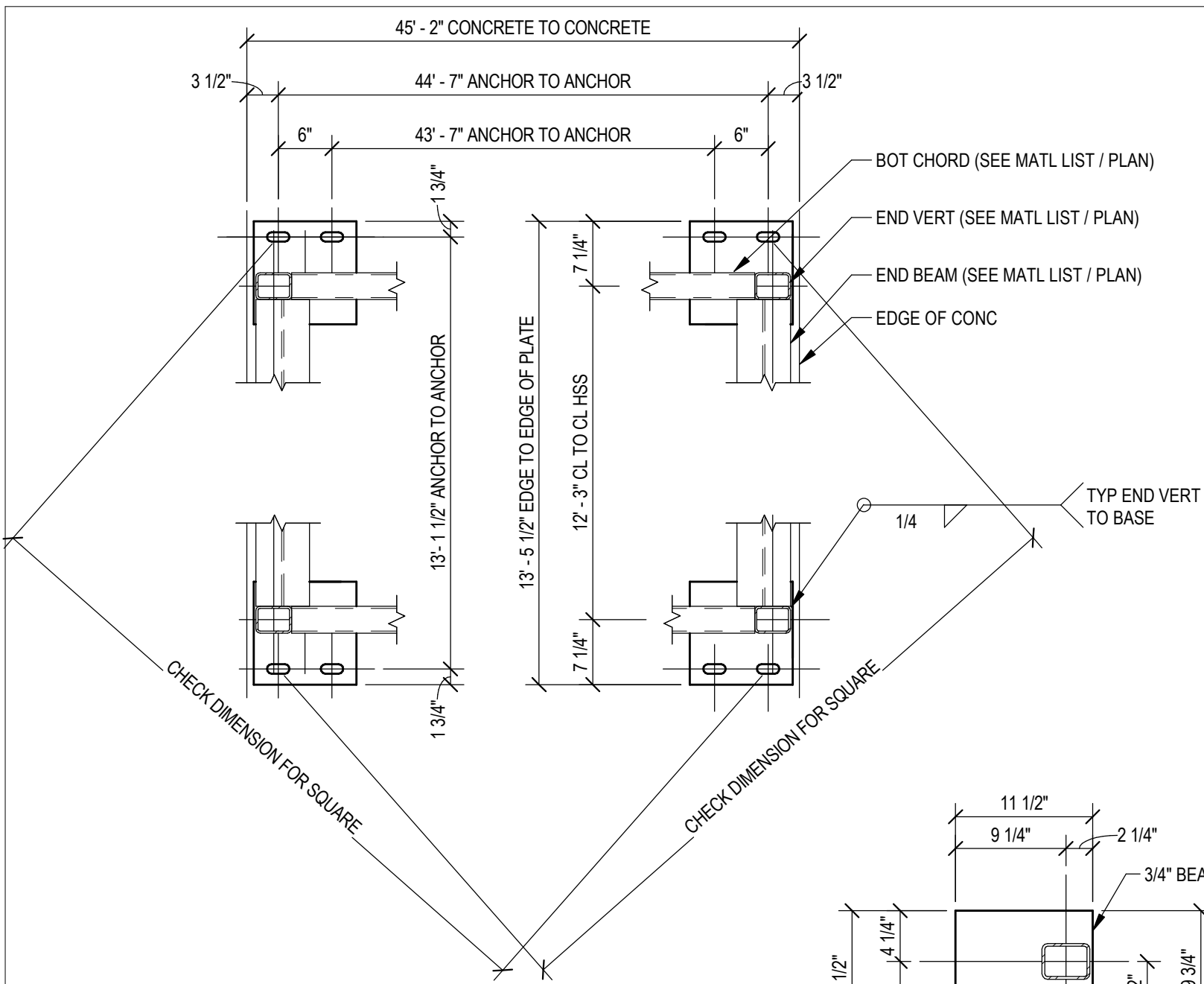
4 TRUSS WELDING SECTION  
1" = 1'-0"



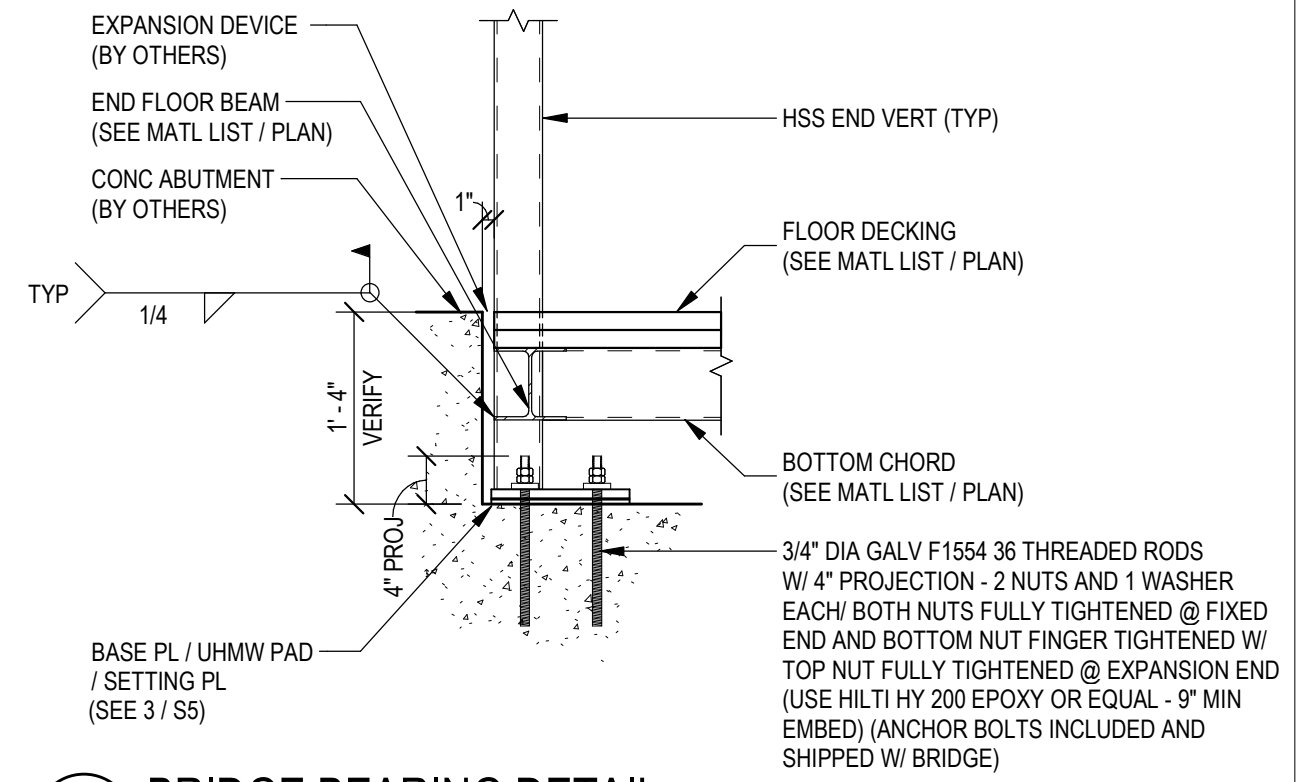
5 TRUSS & RAILING WELDING SECTION  
NO SCALE

No	Date	Revision Description

Date: 2023.09.07  
Drawn by: MJD  
Checked by: RTJ

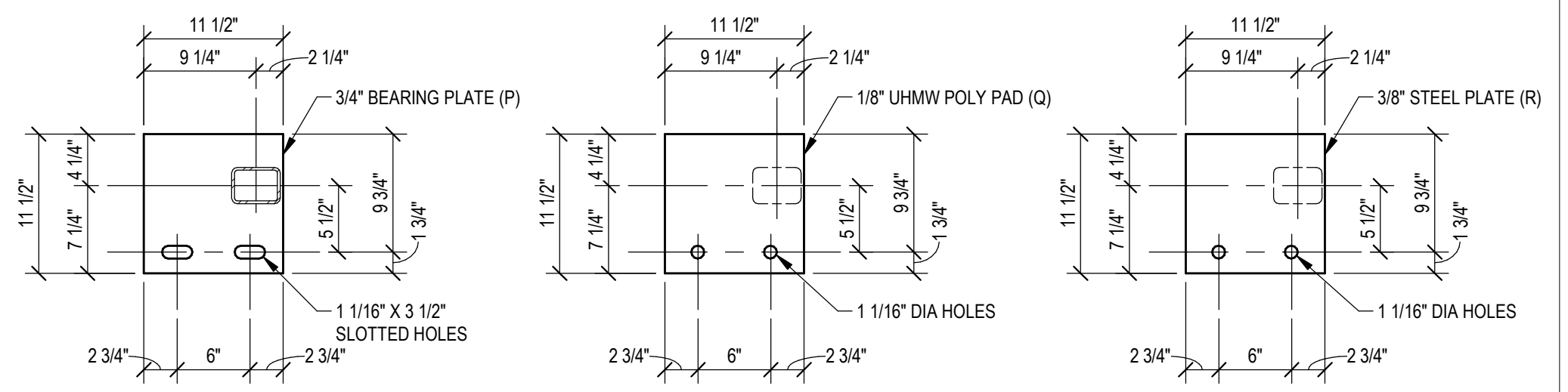


**1 BRIDGE & ANCHOR LAYOUT**  
 S5 3/4" = 1'-0"



**2 BRIDGE BEARING DETAIL**  
 S5 3/4" = 1'-0"

**NOTE: BEARING COMPONENTS STACKED TOP TO BOTTOM = P, Q, R (SEE MATL LIST)**



**3 BASE PLATES/ SETTING PADS**  
 S5 1" = 1'-0"

**ANDERSON BRIDGES**  
 Anderson Bridges, LLC  
 111 Willow Street  
 Colfax, WI 54730  
 Office: 715-962-2800  
 Fax: 715-962-2801

**ERA**  
**STRUCTURAL ENGINEERING**  
 3410 Oakwood Mall Dr.  
 Suite 300  
 Eau Claire, WI 54701  
 715.552.5336  
 www.eraeng.com

45' SNOWMOBILE BRIDGE

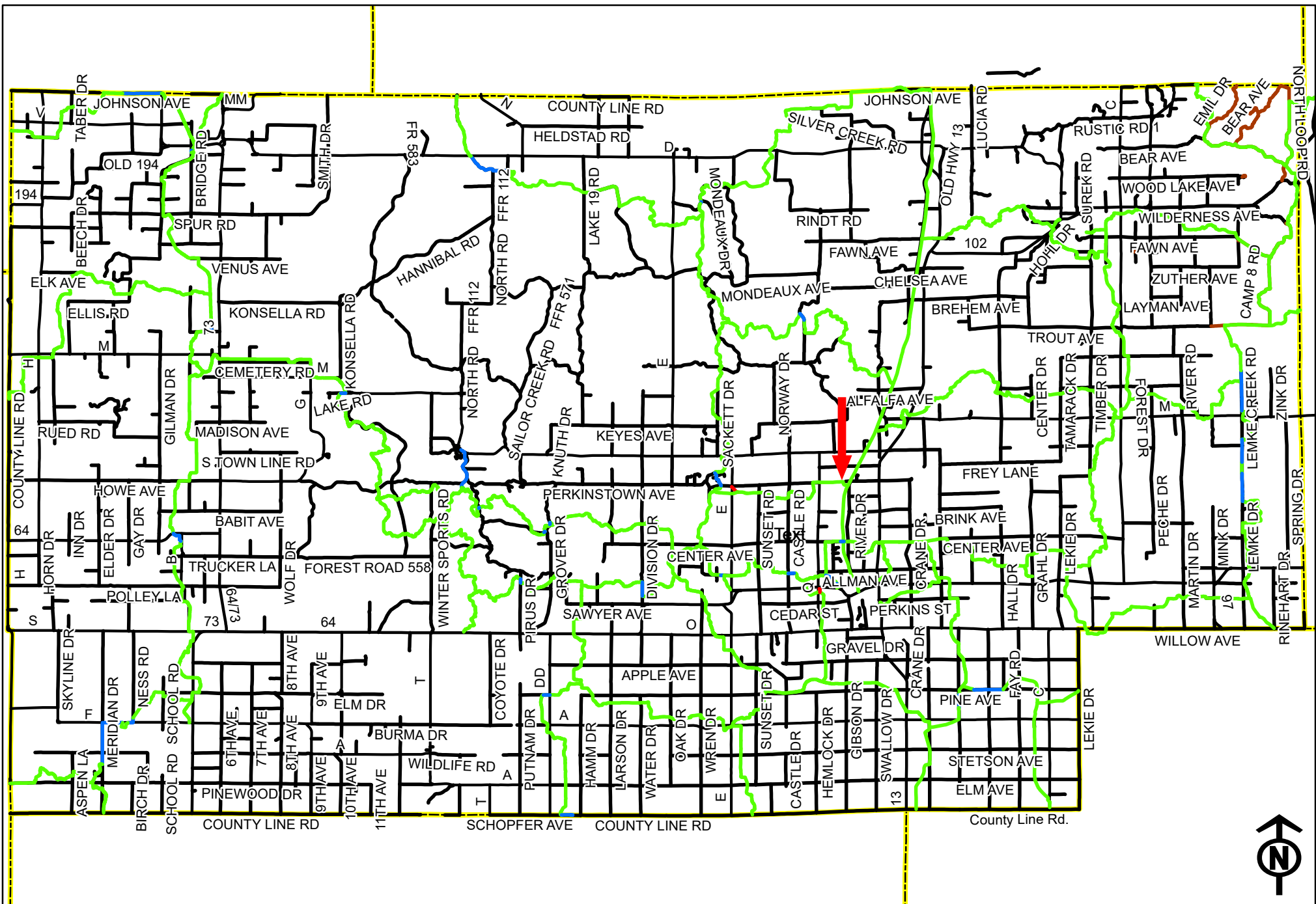
SECTIONS & DETAILS

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the contract and the current "Wisconsin Department of Resources bridge guidelines for snowmobile and All-Terrain vehicle bridges."

No	Date	Revision Description

Date: 2023.09.07  
 Drawn by: MJD  
 Checked by: RTJ

Drawing Number:  
**S5**



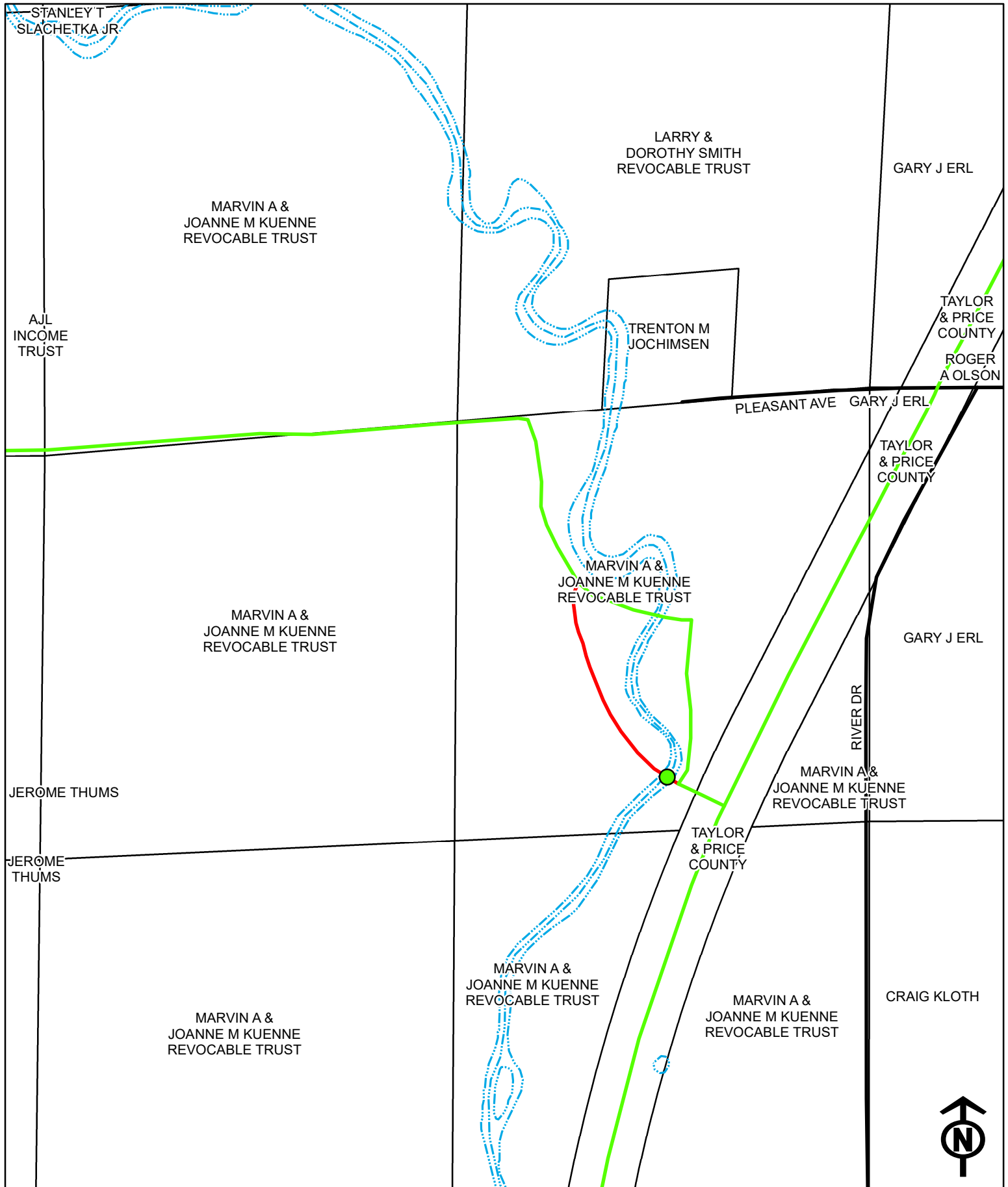
- Funded Trails - 348.8 miles
- Unfunded Trails - 0.4 miles
- Road Routes - 14.9 miles





## Taylor County Kuenne Bridge Location



Taylor Co. Forestry Dept.  
Mapped By: Alex Solawetz  
April 4, 2024





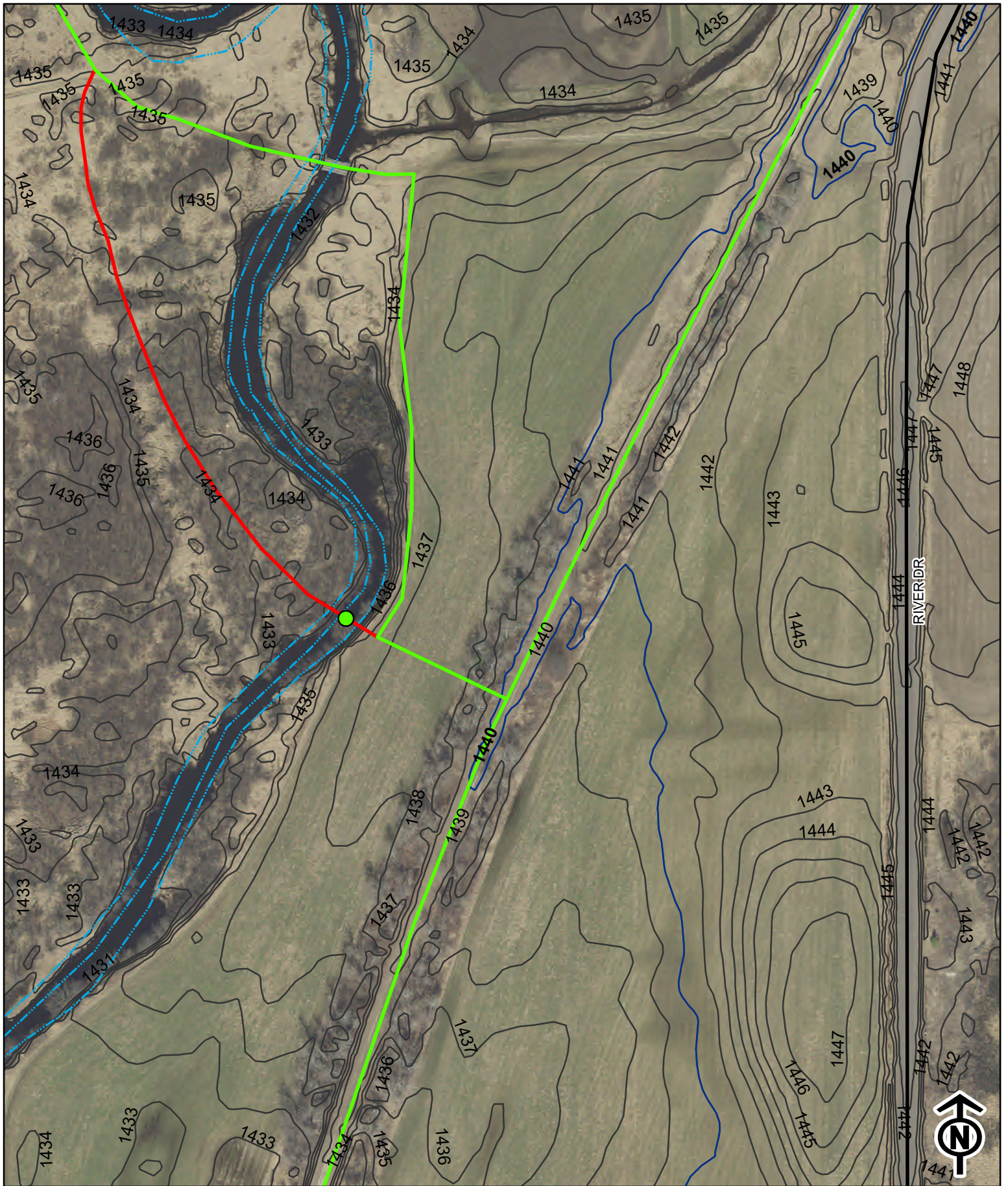
-  Town Roads
-  Existing Snowmobile Trail
-  LiDAR - 1 ft, contours
-  New Snowmobile Trail





## Taylor County Kuenne Snowmobile Bridge Black River



Taylor Co. Forestry Dept.  
Mapped By: Alex Solawetz  
April 4, 2024



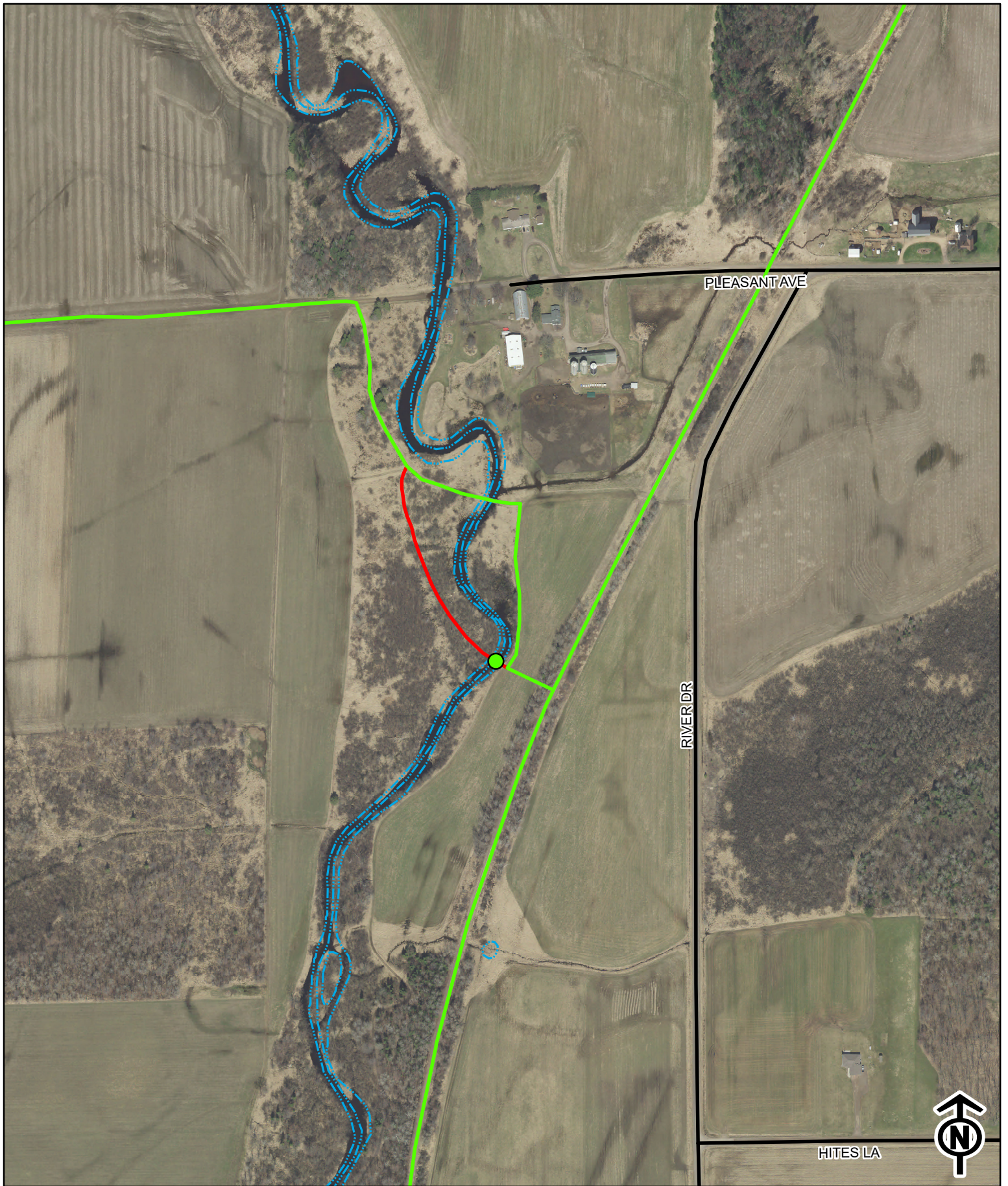


-  Town Roads
-  Existing Snowmobile Trail
-  LiDAR - 1 ft, contours
-  New Snowmobile Trail

**Taylor County**  
**Kuenze Snowmobile Bridge**  
**Black River**



**Taylor Co. Forestry Dept.**  
 Mapped By: Alex Solawetz  
 April 4, 2024

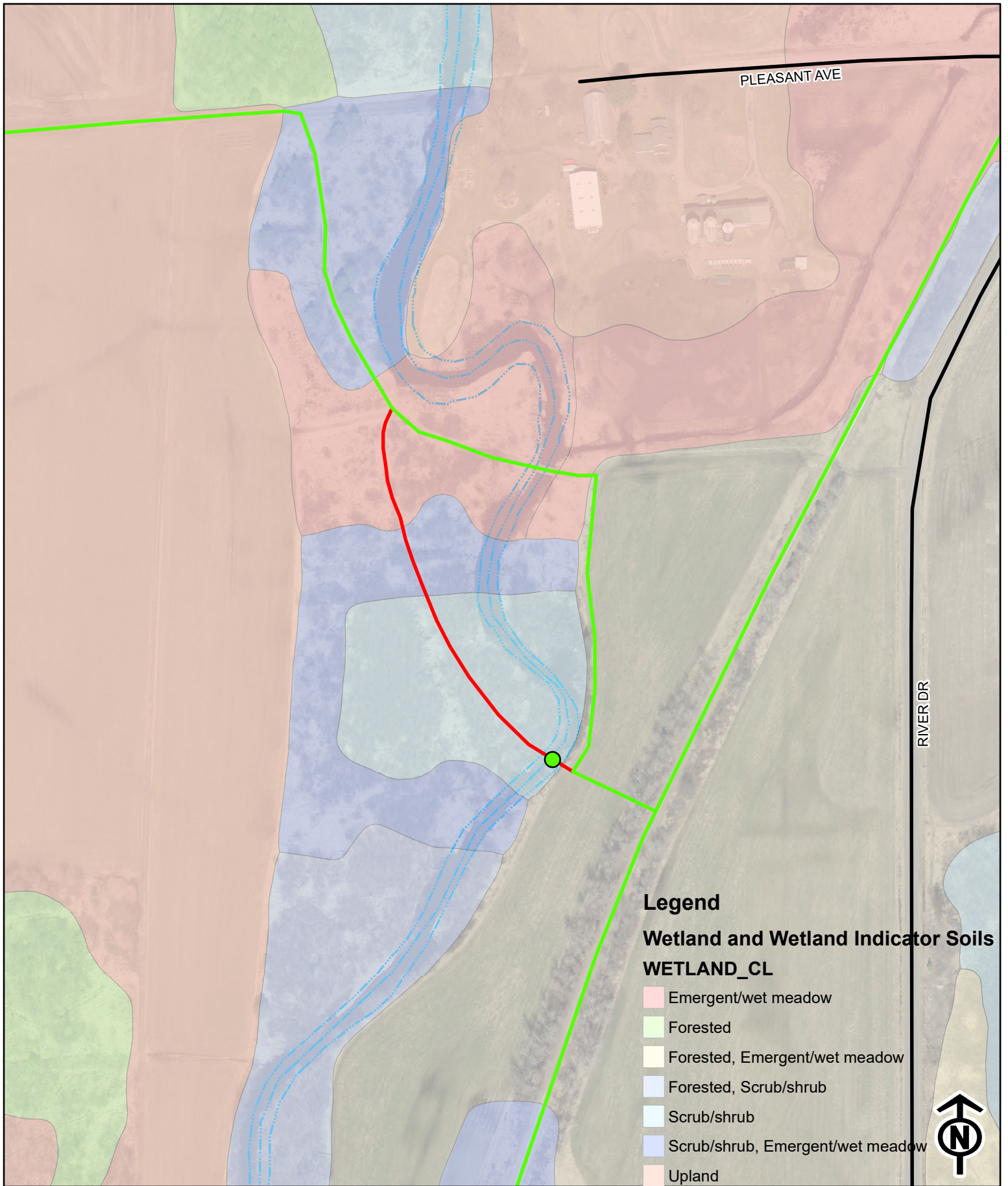


- Town Roads
- Existing Snowmobile Trail
- New Snowmobile Trail

**Taylor County**  
**Kuenne Snowmobile Bridge**  
**Black River**



**Taylor Co. Forestry Dept.**  
 Mapped By: Alex Solawetz  
 April 4, 2024



**Legend**

**Wetland and Wetland Indicator Soils**

**WETLAND\_CL**

- Emergent/wet meadow
- Forested
- Forested, Emergent/wet meadow
- Forested, Scrub/shrub
- Scrub/shrub
- Scrub/shrub, Emergent/wet meadow
- Upland

- Town Roads
- Existing Snowmobile Trail
- New Snowmobile Trail

**Taylor County**  
**Kuenne Snowmobile Bridge**  
**Black River**



**Taylor Co. Forestry Dept.**  
 Mapped By: Alex Solawetz  
 April 4, 2024

**From:** [Nelson, Vicky - DNR](#)  
**To:** [Solawetz Alex](#)  
**Subject:** RE: Taylor County Snowmobile Bridge  
**Date:** Friday, March 15, 2024 12:38:28 PM

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**[Outside Sender]**

Hi Alex:

If you are moving the location of the bridge, you will need a new permit. Here is a link to our website for more information on the types of permits available:

<https://dnr.wisconsin.gov/topic/Waterways>

Sincerely,

Vicky

**We are committed to service excellence.**

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

Vicky S. Nelson

Phone: (715) 822-2691

[vicky.nelson@wisconsin.gov](mailto:vicky.nelson@wisconsin.gov)

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**From:** Solawetz Alex <[alex.solawetz@co.taylor.wi.us](mailto:alex.solawetz@co.taylor.wi.us)>  
**Sent:** Thursday, March 14, 2024 3:28 PM  
**To:** Nelson, Vicky - DNR <[Vicky.Nelson@wisconsin.gov](mailto:Vicky.Nelson@wisconsin.gov)>  
**Subject:** Taylor County Snowmobile Bridge

**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.**

Hi Vicky,

I am submitting a motorized recreation grant request to fund the replacement and relocation of a snowmobile and winter ATV bridge in Taylor County and am wondering if a permit will be needed.

Please let me know what information is required.

Thanks,



**Alex Solawetz**

Assistant Administrator

Taylor County Forestry and Recreation Department

224 South 2<sup>nd</sup> Street Medford, WI 54451

O: (715)-785-8338

C: (608)-214-8812









Proposed location:



