

#75 Rusk Co Alder Creek Trib New 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

- 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 Rusk County Forestry 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 Jerrad Macholl				Check Recipient Name (Name to Appear on Check) Jerrad Macholl			
Title Rusk County Forest Administrator				Title Rusk County Forest Administrator			
Address 311 Miner Ave. East S-115				Address 311 Miner Ave. East S-115			
City Ladysmith	State WI	ZIP Code 54848		City Ladysmith	State WI	ZIP Code 54848	
Telephone Number (715) 532-2113		Email Address jmacholl@ruskcountywi.us					

Section 2: Project Information Required for all Projects

Project Title Corridor 31 - Unnamed Trib. to Alder Crk. New Snowmobile Bridge.						Current Funded Miles 318.7	New Miles (if applicable)
County Rusk	Township 35 N	Range 8	Section 11	¼ ¼ SE	¼ SW	GPS Coordinates: Lat. 45.5234 Long. -91.3283	

Project Description Summary
 The project consists of constructing a new snowmobile bridge at a hazardous stream crossing at an unnamed tributary to Alder Creek on snowmobile trail Corridor 31. The creek is prone to flooding which can make the crossing unstable and dangerous to travelers. Relocating the trail to avoid the creek is not an option. The proposed bridge will be 36ft. long and will completely span the creek channel. Providing a bridge will make the crossing much safer for riders and reduce wear on trail maintenance equipment.

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

Estimated Cost

Maintenance \$60,000.00	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost \$60,000.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official <i>Jerrad D. Macholl</i>	Official's Title <i>Forest Administrator</i>
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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.

Jerrad D. Macholl
 Signature of Authorized Official

4-8-24
 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 Rusk	Township 35 N	Range 8	<input type="radio"/> E <input checked="" type="radio"/> W	Section 11	¼ ¼ SE	¼ SW	GPS Coordinates: Lat. 45.5234 Long. -91.3283
Water Body Name Unnamed Trib.to Alder Crk.				Bridge Name Olson Bridge		County Inventory Number N.A.	
Funded Trail Name or Number (SNARS if applicable) Corridor 31				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 _____ New Bridge/Culvert Size 36'x12'			
Landowner Where Bridge is Located Andrew Olson				Telephone Number (715) 403-0466		Length of Trail Use Agreement (5 year minimum) 10	
Current maximum load _____ lbs.		Age of Bridge N.A.		Bridge Material Steel frame with wood decking.			
Proposed maximum load 25,000 lbs.							
Sponsoring Club Name Bruce Blue Hills Trailblazers				Club Contact Bob Engel		Telephone Number (715) 415-5995	
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? 25,000 #			
What is the weight of your puller & drag/grading equipment? 16,000 #							
What other recreational trail uses are planned for this bridge? None, snowmobile only.							
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users? N.A.							
<input type="radio"/> Yes <input checked="" type="radio"/> No Have you contacted your local DNR Water Management Specialist (WMS) regarding a permit? <input checked="" type="radio"/> Yes <input type="radio"/> No Is a permit needed? (Please provide any written correspondence from WMS.) <input type="radio"/> Yes <input checked="" type="radio"/> No Have you contacted your County Zoning Dept. regarding a floodplain determination? <input type="radio"/> Yes <input checked="" type="radio"/> No Will an H & H (hydrologic and hydraulic) study be required?							

Bridge Project Detailed Description

The project consists of constructing a snowmobile bridge at a hazardous stream crossing at an unnamed tributary to Alder Creek on snowmobile trail Corridor 31. The creek is prone to flooding which can make the crossing unstable and dangerous to travelers. Relocating the trail to avoid the creek is not an option. The proposed bridge will be 36ft. long and will completely span the creek channel. Providing a bridge will make the crossing much safer for riders and reduce wear on trail maintenance equipment.

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:	36'x12'	36'x12'
Bridge Manufacturer:	Anderson Bridges	Custom
Design Weight Load	25,000 lbs.	25,000 lbs.
Cost of Structure:		
1. Engineering	\$ 4,000	\$ _____
2. Structure	\$ 32,000	\$ 61,900
Subtotal	\$ 36,000	\$ 61,900

	Quote 1	Quote 2
	<input type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input checked="" type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ 5,000	\$ 7,400
3. Abutments	\$ 12,000	\$ _____
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ 2,000	\$ 2,200
7. Labor	\$ 5,000	\$ _____
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other Shipping	\$ _____	\$ 1,200
Subtotal	\$ 24,000	\$ 10,800
Total Cost	\$ 60,000	\$ 72,700

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	\$ _____
Total	\$ _____



Custom Manufacturing, Inc.

606 Delco Drive, P.O. Box 279
Clinton, WI 53525
608-676-2282 Fax: 608-676-2283
contact@custommfginc.com

Quotation

6430

Please Indicate The Above Number When Ordering

Date: March 6, 2024	Salesperson: Tina Forrest
Inquiry Date:	Inquiry Number

To: Rusk County Forestry Department
311 East Miner Ave
Ladysmith, WI 54848

Estimated Ship Date 8 - 12 weeks	Shipped VIA Best way	F.O.B Clinton, WI	Terms Net 30
Description		Price	Total
2024 Grant Application Estimate Christianson Rd			
1	36' Arched Bridge x 12' Wide – 25,000# Load - Doubled Decked Horizontal Railings –On Galvanized Sill Pans Stamped Engineered Drawings	\$ 61,900.00	
	Installation	7,400.00	
	Equipment Rental – Site Preparation (Rip Rap)	2,200.00	
	Shipping Charges	1,200.00	
	Total		\$ 72,700.00
Above prices do not include utility markings, 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 PUB-CF-2017 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: _____



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

PROPOSAL

February 16, 2024

To: Rusk County Snowmobile Trail Coordinator

Re: Atlanta Snowmobile Bridge Budget

- 1 - **36' 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/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: **Rusk County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$60,000

• Structure (Steel Truss)	\$32,000
• Engineering	\$4,000
• Soil Testing	\$0
• Site Prep	\$5,000
• Abutments	\$12,000
• Labor	\$5,000
• Rip Rap	\$2,000

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

Please call with any questions.

Thank you,

Kory S. Weathers

For use with Recreation Grant Application Forms

Project Name: Corridor 31 Unnamed Trib. to Alder Crk. New Snomo Bridge		Prepared By: Mike Zimmer	Date: 03/08/2024
County: Rusk	Project Applicant: Bruce Blue Hills Trailblazers Club	Landowner Name: Andrew Olson	<input type="radio"/> Public <input checked="" type="radio"/> Private

Indicate - (C) Contract , (F) Force Acct., (D) Donated

	DEVELOPMENT PROJECT ITEMS <i>List by individual item or break down by Use Areas (See Item List On Back Of This Form)</i>	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
↓	Structure	1	Job	\$32,000.00	32,000.00
	Engineering	1	Job	\$4,000.00	4,000.00
	Site Prep	1	Job	\$5,000.00	5,000.00
	Abutments	1	Job	\$12,000.00	12,000.00
	Labor	1	Job	\$5,000.00	5,000.00
	Rip Rap	1	Job	\$2,000.00	2,000.00
	TOTAL \$				\$60,000.00

NOTE:

- For development projects, contingency and indirect costs are not eligible expenses.
- For acquisition projects, complete the Acquisition Project Cost Estimate Section of this form.

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	
2	Permits (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	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	-1
GRAND TOTAL			

3 points

Comments/Notes:

Corridor 31 – Unnamed Trib. to Alder Crk. New Snowmobile Bridge
Site Photos (Proposed Bridge Site)

Photo Date: 4/24



View Looking North, Across Stream



View Looking South, Across Stream



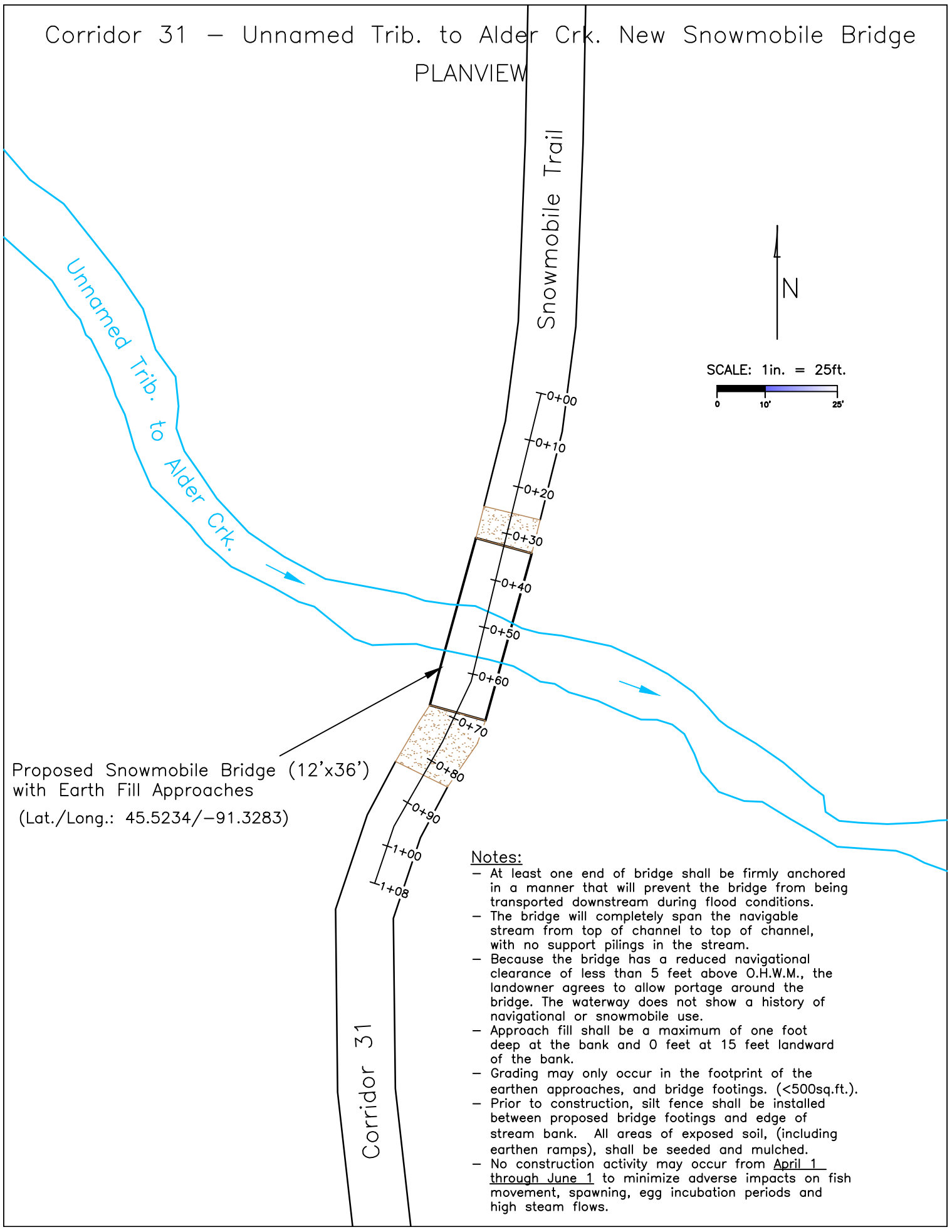
View Looking West, Upstream



View Looking East, Downstream

Corridor 31 – Unnamed Trib. to Alder Crk. New Snowmobile Bridge

PLANVIEW



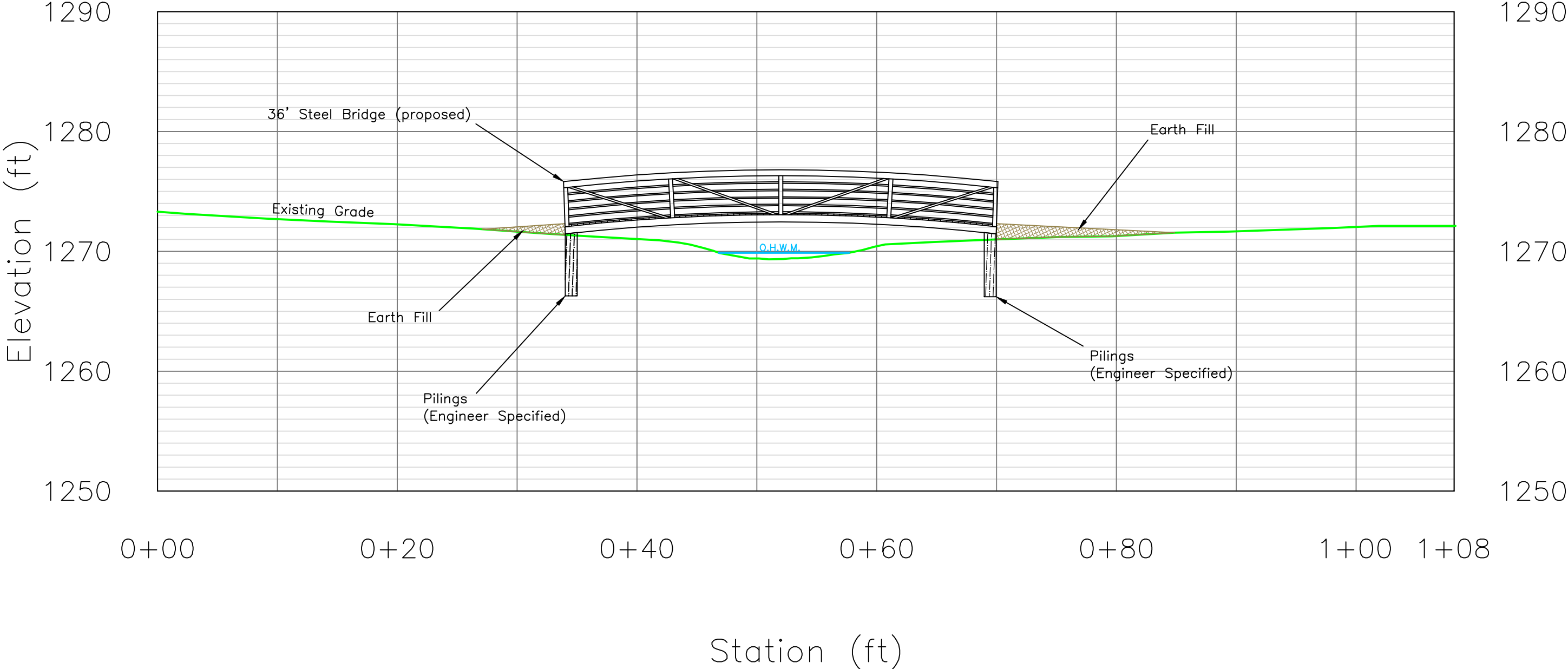
Proposed Snowmobile Bridge (12'x36')
with Earth Fill Approaches
(Lat./Long.: 45.5234/-91.3283)

Notes:

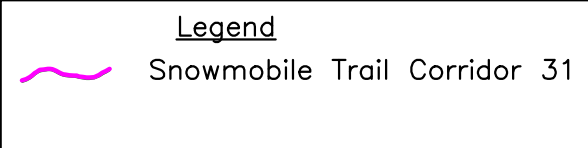
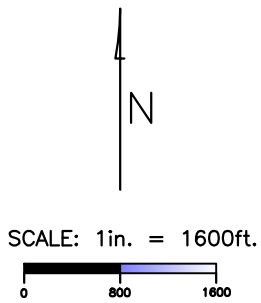
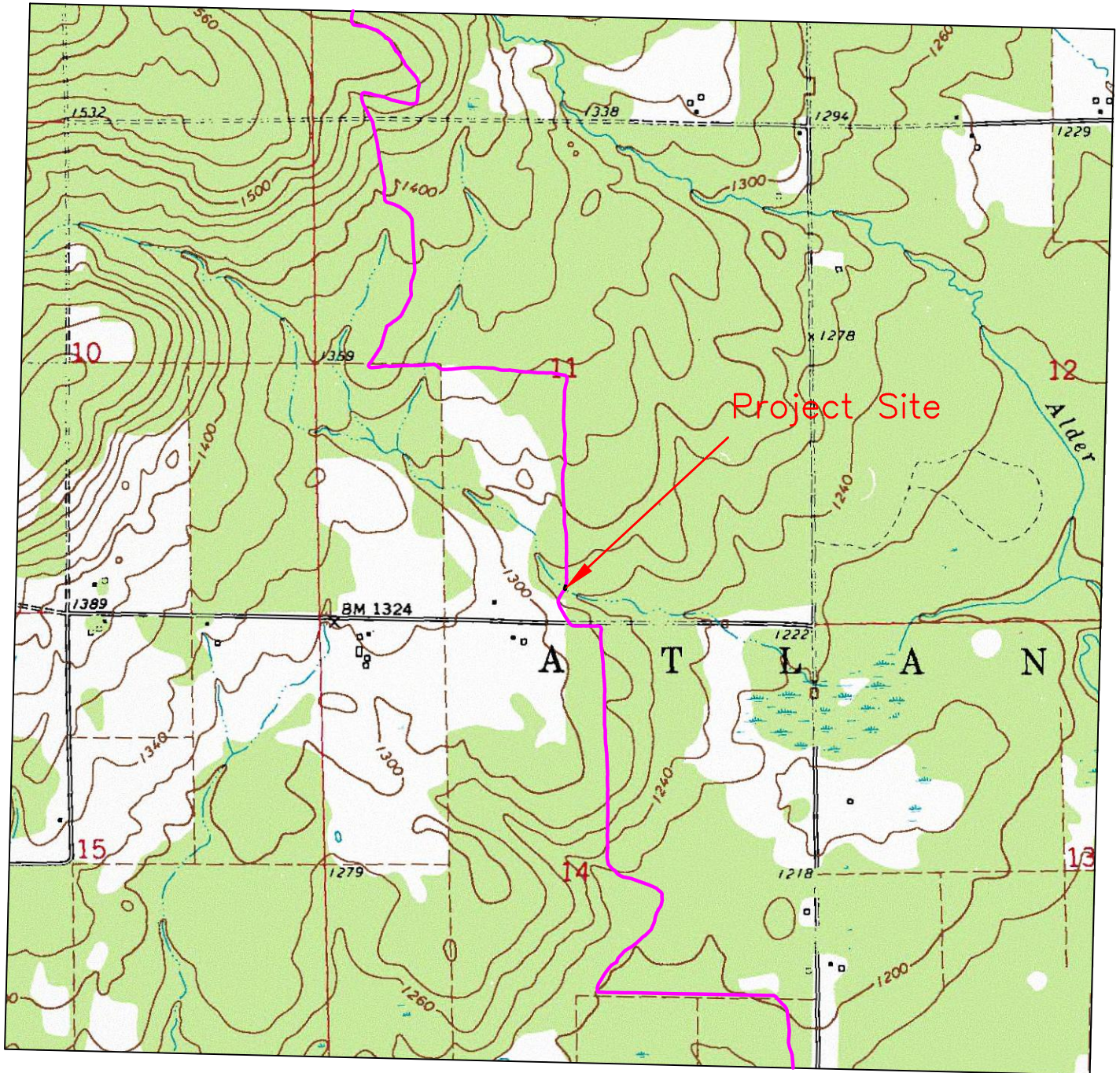
- At least one end of bridge shall be firmly anchored in a manner that will prevent the bridge from being transported downstream during flood conditions.
- The bridge will completely span the navigable stream from top of channel to top of channel, with no support pilings in the stream.
- Because the bridge has a reduced navigational clearance of less than 5 feet above O.H.W.M., the landowner agrees to allow portage around the bridge. The waterway does not show a history of navigational or snowmobile use.
- Approach fill shall be a maximum of one foot deep at the bank and 0 feet at 15 feet landward of the bank.
- Grading may only occur in the footprint of the earthen approaches, and bridge footings. (<500sq.ft.).
- Prior to construction, silt fence shall be installed between proposed bridge footings and edge of stream bank. All areas of exposed soil, (including earthen ramps), shall be seeded and mulched.
- No construction activity may occur from April 1 through June 1 to minimize adverse impacts on fish movement, spawning, egg incubation periods and high steam flows.

Corridor 31 - Unnamed Trib. to Alder Crk. New Snowmobile Bridge

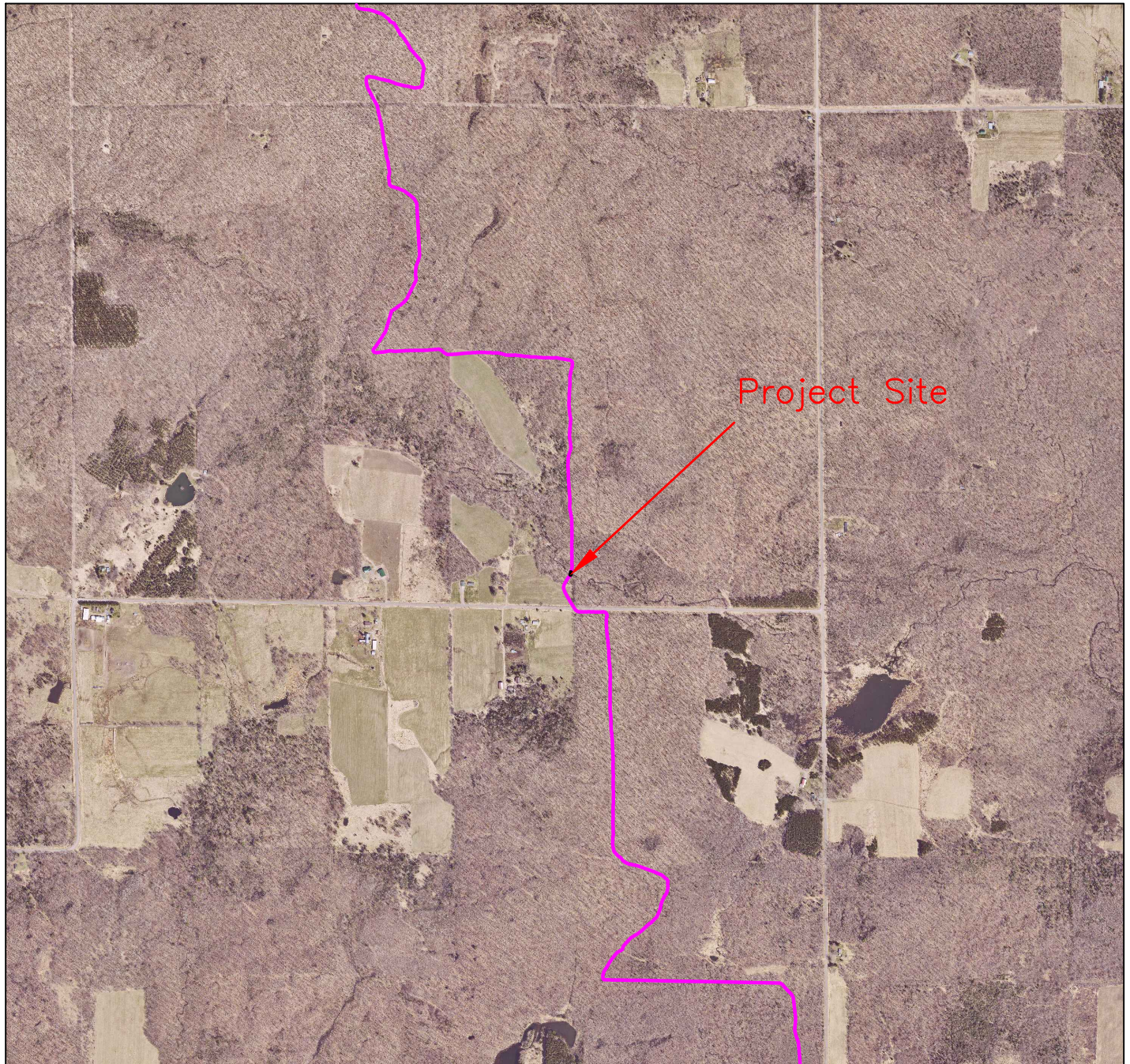
Bridge Profile



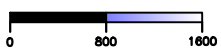
Corridor 31 – Unnamed Trib. to Alder Crk. New Snowmobile Bridge
Topo Site Map




Corridor 31 – Unnamed Trib. to Alder Crk. New Snowmobile Bridge Aerial Site Map



SCALE: 1in. = 1600ft.



Legend	
	Snowmobile Trail Corridor 31

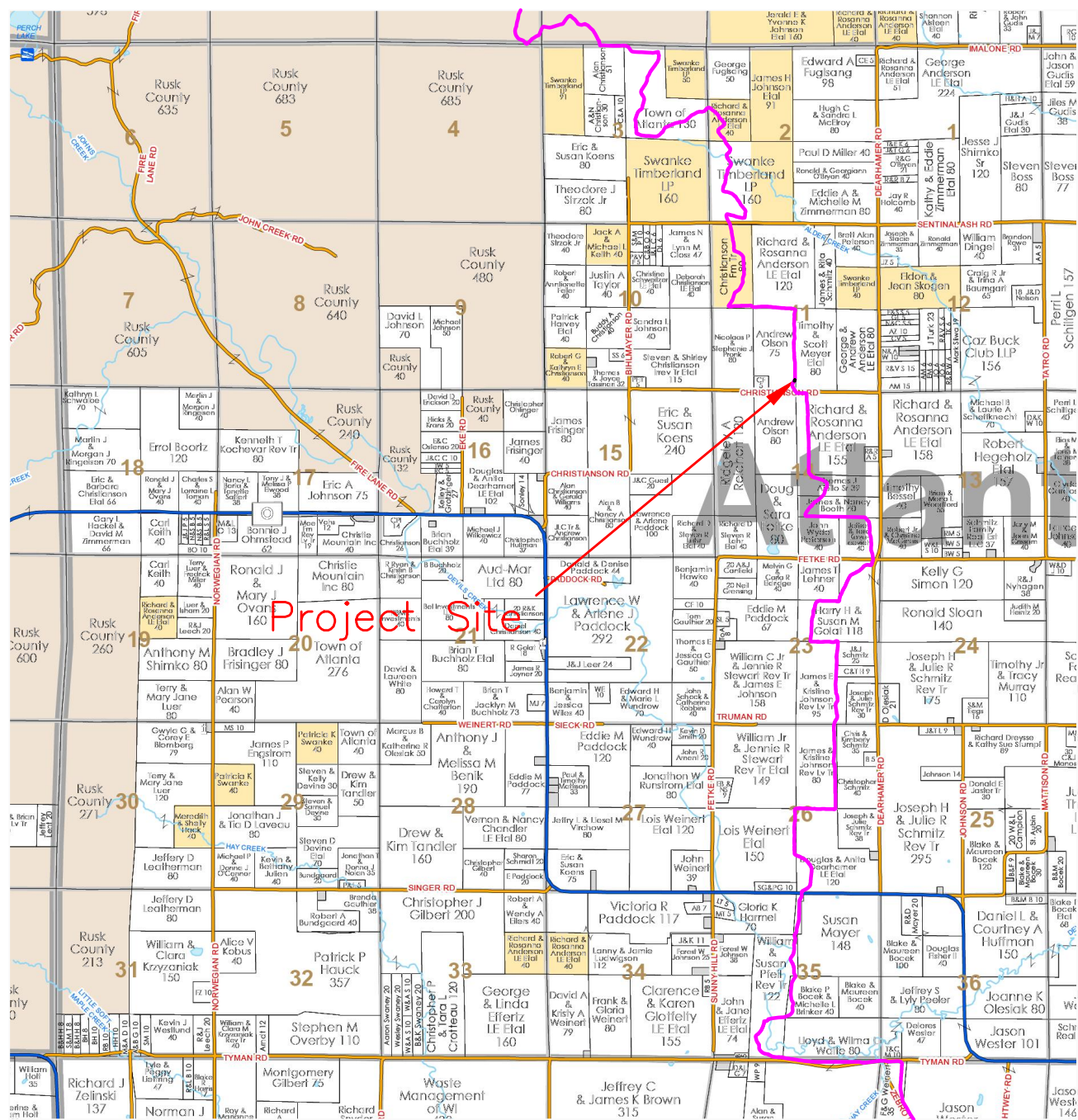
Corridor 31 – Unnamed Trib. to Alder Crk. New Snowmobile Bridge

Plat Site Map

Town of Atlanta (West)


T35N. – R8W.

SE $\frac{1}{4}$, SW $\frac{1}{4}$ of Sec. 11

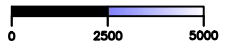


Project Site

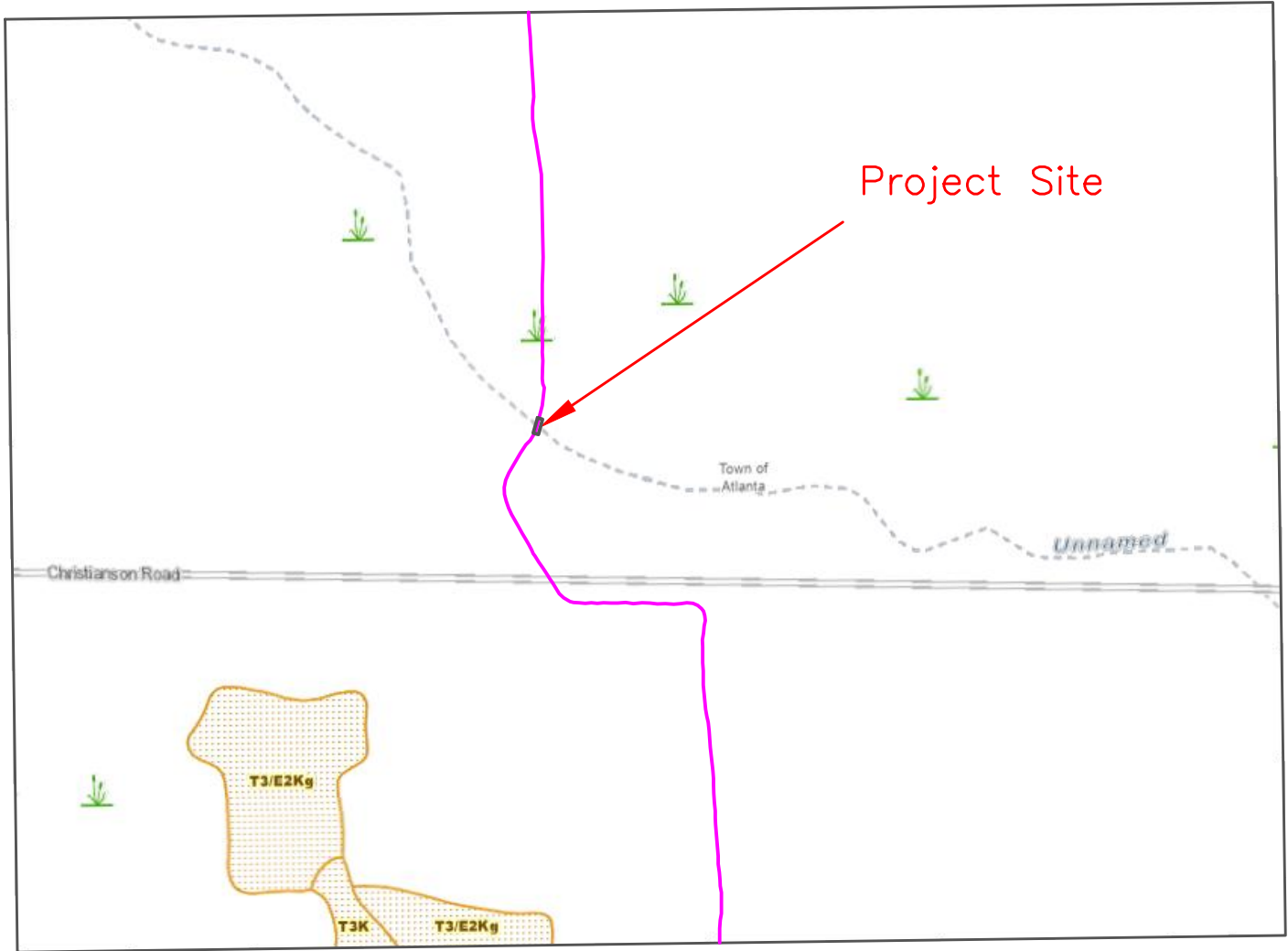
Legend

 Snowmobile Trail Corridor 31

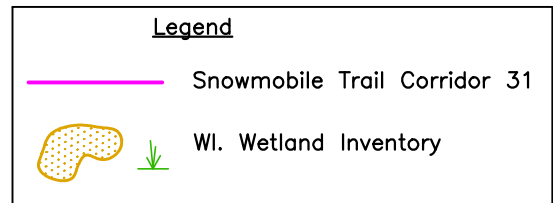
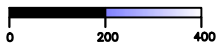
SCALE: 1in. = 5000ft.



Corridor 31 – Unnamed Trib. to Alder Crk. New Snowmobile Bridge Wetland Site Map



SCALE: 1in. = 400ft.



Rusk County Snowmobile Trail Map 2024

Corridor 31 – New Bridge

