



Environment and Natural Resources Trust Fund

M.L. 2020 Approved Work Plan

General Information

ID Number: 2020-045

Staff Lead: Michael Varien

Date this document submitted to LCCMR: August 13, 2021

Project Title: Minnesota State Trails Development

Project Budget: \$994,000

Project Manager Information

Name: Kent Skaar

Organization: MN DNR - State Parks and Trails Division

Office Telephone: (651) 259-5636

Email: kent.skaar@state.mn.us

Web Address: https://www.dnr.state.mn.us/parks_trails/index.html

Project Reporting

Date Work Plan Approved by LCCMR: August 13, 2021

Reporting Schedule: April 1 / October 1 of each year.

Project Completion: June 30, 2024

Final Report Due Date: August 14, 2024

Legal Information

Legal Citation: M.L. 2021, First Special Session, Chp. 6, Art. 5, Sec. 2, Subd. 09i

Appropriation Language: \$994,000 the second year is from the trust fund to the commissioner of natural resources to expand high-priority recreational opportunities on Minnesota's state trails by rehabilitating, improving, and enhancing existing state trails. The high-priority trail bridges to be rehabilitated or replaced under this appropriation include, but are not limited to, those on the Taconite, Great River Ridge, and C. J. Ramstad/Northshore State Trails.

Appropriation End Date: June 30, 2024

Narrative

Project Summary: This project proposes to expand recreational opportunities on Minnesota State Trails through the rehabilitation or replacement of existing state trail bridges.

Describe the opportunity or problem your proposal seeks to address. Include any relevant background information.

This project fulfills legislative direction to expand recreational opportunities on Minnesota State Trails through the development of new trail segments; and the rehabilitation and enhancement of existing State Trails. Each of the individual state trail projects identified by the Minnesota Department of Natural Resource (MN DNR), Parks and Trails Division represent opportunities to enhance recreational opportunities and improve user safety by completing the repair and/or replacement of 4 existing trail bridges located on three separate State Trails. Each specific project is a MNDNR a priority given current condition as determined by formal inspections and user comments. Each of the individual state trail bridges to be subject to replacement have recently received formal inspection condition rating of Fair to Poor, and have been recommended for replacement in 2 years. One of the identified bridges is a former railroad structure. The remaining three bridges include two primitive timber structures and the third is a timber and steel truss bridge, all developed by the MNDNR and have been in service for between 20 and 30 years. As proposed, these improvements will be completed as 4 separate projects. One of the projects will provide matching funds for an existing Federal Recreational Trail Grant.

What is your proposed solution to the problem or opportunity discussed above? i.e. What are you seeking funding to do? You will be asked to expand on this in Activities and Milestones.

This proposal will provide for the replacement of up to four existing state trail bridges that have been determined by formal inspection to require replacement. The proposed bridge replacements are to be completed as four separate projects, on three separate state trail corridors, including the Taconite State Trail, the Great River Ridge State Trail, and the C.J. Ramstad/Northshore State Trail. As proposed two of the four bridges identified are to be replaced with 140 foot long, modern steel truss structures. The two remaining bridges are small, timber structures developed by MNDNR staff and have now exceeded their design life, are to be replaced with large three sided culverts. .

What are the specific project outcomes as they relate to the public purpose of protection, conservation, preservation, and enhancement of the state's natural resources?

The individual projects identified, once complete, will permit the continued, safe use of three of the MNDNR administered state trails, including the Taconite, Great River Ridge and CJ Ramstad/Northshore state trails. While none of the current bridges are closed to use, two of the bridges, located on the Taconite State Trail and Great River Ridge State Trail have posted load limits of 5000 lbs. and 6000 lbs. respectively which precludes any maintenance equipment, including snowmobile groomers from crossing the bridge. Annual inspections have been implemented until replacements are complete or inspection results require the bridge to be closed.

Project Location

What is the best scale for describing where your work will take place?

Statewide

What is the best scale to describe the area impacted by your work?

Statewide

When will the work impact occur?

During the Project

Activities and Milestones

Activity 1: State Trail Bridge Renewal or Replacement

Activity Budget: \$994,000

Activity Description:

This project includes the renewal or replacement of (4) four existing state trail bridges, all of which have a Conditional Index Rating of Fair to Poor and are recommended for complete replacement within 2 years. The bridges to be subject to renewal or replacement are located on the following State Trails and are listed in the order of priority: (1) Taconite State Trail-Koochiching Co.-This bridge carries the State Trail over the Pike River; (2) Great River Ridge State Trail-Wabasha Co.-This bridge that carries the State Trail over the North Branch of the Whitewater River near Elgin; (3) CJ Ramstad/North Shore State Trail-Lake Co.: This bridge carries the natural surfaced, state trail over Little 39 Creek, near Silver Bay; (4) CJ Ramstad/North Shore State Trail-Lake Co.- This bridge carries the State Trail over the East Branch Manitou River just outside of the boundary of George H. Crosby-Manitou State Park.. Each of the proposed replacement bridges or culverts will be a new steel structures on concrete footings with a conservative useful life of 50 years.

Activity Milestones:

Description	Completion Date
Completion of Required Engineering	December 31, 2022
Construction Contracts Awarded	April 30, 2023
Project Construction Complete	June 30, 2024
Project Closeout - Final Reporting	June 30, 2024

Project Partners and Collaborators

Name	Organization	Role	Receiving Funds
Wabasha County	Regional Rail Authority	Great River Ridge State Trail - Current State Trail Segment administered by MnDNR Parks and Trails Division under Agreement with Wabasha Co. County provides Trail rights of way and design review assistance.	No

Dissemination

Describe your plans for dissemination, presentation, documentation, or sharing of data, results, samples, physical collections, and other products and how they will follow ENRTF Acknowledgement Requirements and Guidelines.

For each of the individual proposed projects, all Minnesota Department of Natural Resources public notifications regarding the identified projects will reference the support of the LCCMR. All engineering plans and specifications include specific reference to the LCCMR through the inclusion of the Trust Fund Logo placed on the Title Sheet. Each Bridge when completed will also have a plaque affixed at each end that clearly displays the Trust Fund Logo.

Long-Term Implementation and Funding

Describe how the results will be implemented and how any ongoing effort will be funded. If not already addressed as part of the project, how will findings, results, and products developed be implemented after project completion? If additional work is needed, how will this be funded?

Each of the identified projects are all existing components of the Outdoor Recreation System and will be implemented through the MNDNR Parks and Trails Division staff. All project engineering, design, contract administration and construction inspection will be completed by or under the direct oversight of the MNDNR Operation Services Division. The MNDNR will operate, maintain and protect each of the facilities when complete. The implementation of these projects will also significantly reduce the Parks and Trails Division's annual operational costs for the defined trail segments and bridges from 10 to 25 years.

Other ENRTF Appropriations Awarded in the Last Six Years

Name	Appropriation	Amount Awarded
Minnesota State Trails Acquisition, Development and Enhancement	M.L. 2017, Chp. 96, Sec. 2, Subd. 09d	\$1,038,000
Minnesota State Trail Development	M.L. 2018, Chp. 214, Art. 4, Sec. 2, Subd. 09j	\$2,500,000
Minnesota State Trails Development	M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 09d	\$5,000,000

Budget Summary

Category / Name	Subcategory or Type	Description	Purpose	Gen. Ineligible	% Benefits	# FTE	Classified Staff?	\$ Amount
Personnel								
							Sub Total	-
Contracts and Services								
MNDNR Operation Services Division	Internal services or fees (uncommon)	All proposed project engineering, design, contract administration and construction inspection will be completed by or under the direct oversight of the MNDNR Division of Operation Services / Construction and Design.				2		\$109,000
							Sub Total	\$109,000
Equipment, Tools, and Supplies								
							Sub Total	-
Capital Expenditures								
		Taconite State Trail - Pike River Bridge	Replacement of existing deficient trail bridge					\$197,150
		Great River Ridge State trail - No. Branch Whitewater River Bridge	Replacement of existing deficient trail bridge					\$418,780
		CJ Ramstad/Northshore State Trail-Little 39 Creek Bridge	Replacement of existing deficient trail bridge					\$128,056
		CJ Ramstad/Northshore State Trail - E. Branch Manitou River Bridge	Replacement of deficient trail bridge					\$128,056
							Sub Total	\$872,042
Acquisitions and Stewardship								
							Sub Total	-
Travel In Minnesota								

							Sub Total	-
Travel Outside Minnesota								
							Sub Total	-
Printing and Publication								
							Sub Total	-
Other Expenses								
		MNDNR Direct and Necessary Costs	Pay for activities that are directly related to and necessary for accomplishing appropriated programs/projects. Direct and necessary costs cover HR Support (~\$0), Safety Support (~\$0), Financial Support (~\$10,433), Communication Support (~\$1,388), IT Support (~\$0), and Planning Support (~\$1,138) that are necessary to accomplishing funded programs/projects.					\$12,958
							Sub Total	\$12,958
							Grand Total	\$994,000

Classified Staff or Generally Ineligible Expenses

Category/Name	Subcategory or Type	Description	Justification Ineligible Expense or Classified Staff Request
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Non ENRTF Funds

Category	Specific Source	Use	Status	Amount
State				
			State Sub Total	-
Non-State				
Cash	Federal Recreation Trail Grant	For the replacement of the Taconite State Trail Bridge over the Pike River.	Secured	\$150,000
			Non State Sub Total	\$150,000
			Funds Total	\$150,000

Attachments

Required Attachments

Visual Component

File: [80628110-9e0.pdf](#)

Alternate Text for Visual Component

Four maps identifying the location of each of the four bridges to be replaced under this project; Map 1/Page 1: Location of the Taconite State Trail bridge over the Pike River southwest of Tower; Map 2/Page 2: Location of the Great River Ridge State Trail bridge over the North Branch of the Whitewater River; Map 3/Page 3: Location of CJ Ramstad/North Shore State Trail bridge over Little 39 Creek; and Map 4/Page 4: Location of the CJ Ramstad/North Shore State Trail bridge over the East Branch...

Optional Attachments

Support Letter or Other

Title	File
Background Check Certification Form	5984346b-226.pdf

Difference between Proposal and Work Plan

Describe changes from Proposal to Work Plan Stage

The 2020 Work Plan as submitted has been revised to conform to the recommendations of the Legislative-Citizen Commission on Minnesota Resources for funding from the Environment and Natural Resources Trust Fund. The principal revisions are a reduction to the total number of projects proposed. To address the principal State Trail project priorities, the revised project is limited to the replacement of a total of four existing deficient State Trail Bridges. The projects removed from consideration have been retained as contingency projects should any of the current projects be subject to unanticipated delays. Background check certification form added.

Additional Acknowledgements and Conditions:

The following are acknowledgements and conditions beyond those already included in the above workplan:

Do you understand and acknowledge the ENRTF repayment requirements if the use of capital equipment changes?

Yes

Do you agree travel expenses must follow the "Commissioner's Plan" promulgated by the Commissioner of Management of Budget or, for University of Minnesota projects, the University of Minnesota plan?

N/A

Does your project have potential for royalties, copyrights, patents, or sale of products and assets?

No

Do you understand and acknowledge IP and revenue-return and sharing requirements in 116P.10?

N/A

Do you wish to request reinvestment of any revenues into your project instead of returning revenue to the ENRTF?

N/A

Does your project include original, hypothesis-driven research?

No

Does the organization have a fiscal agent for this project?

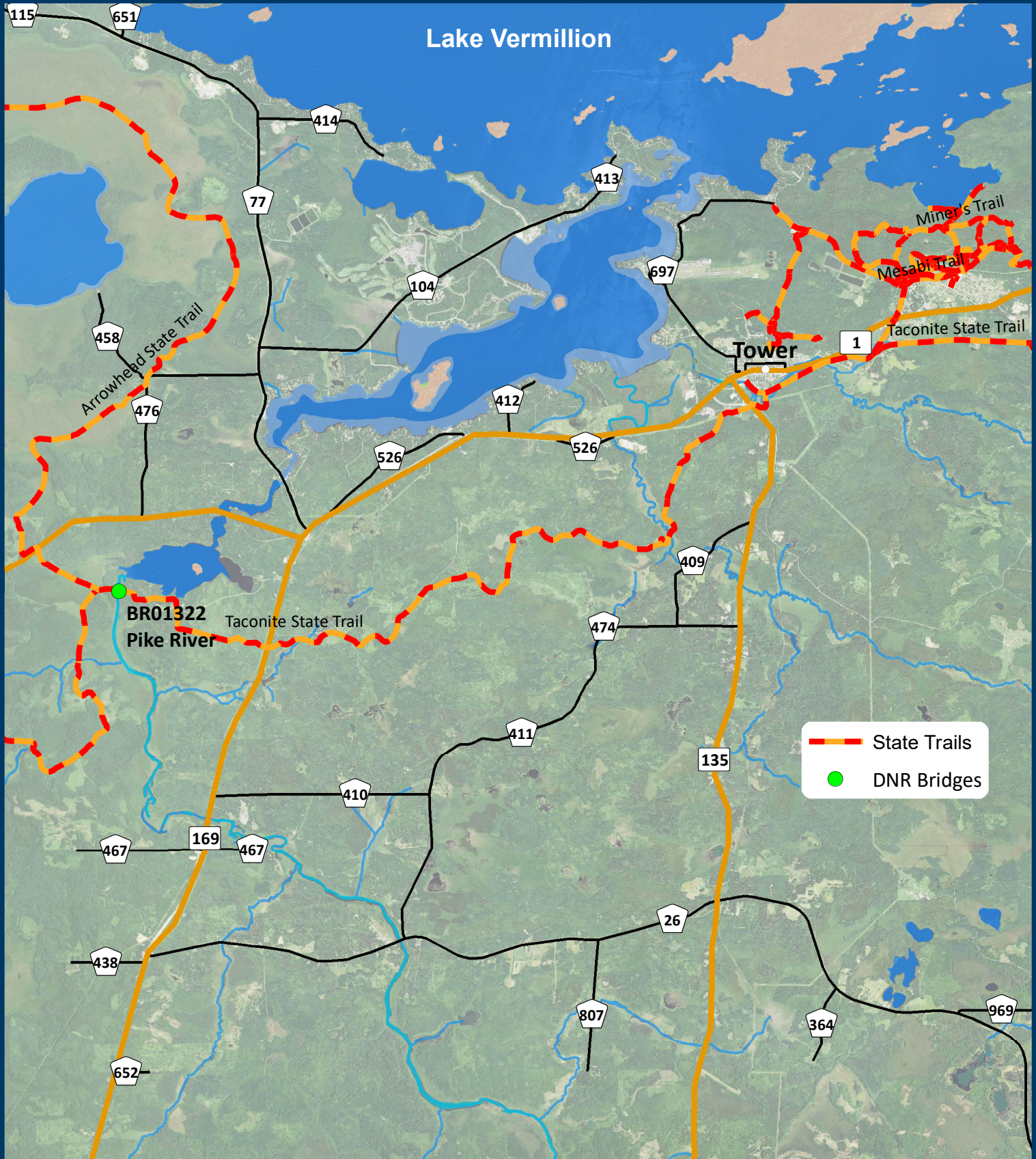
No

MAP 1



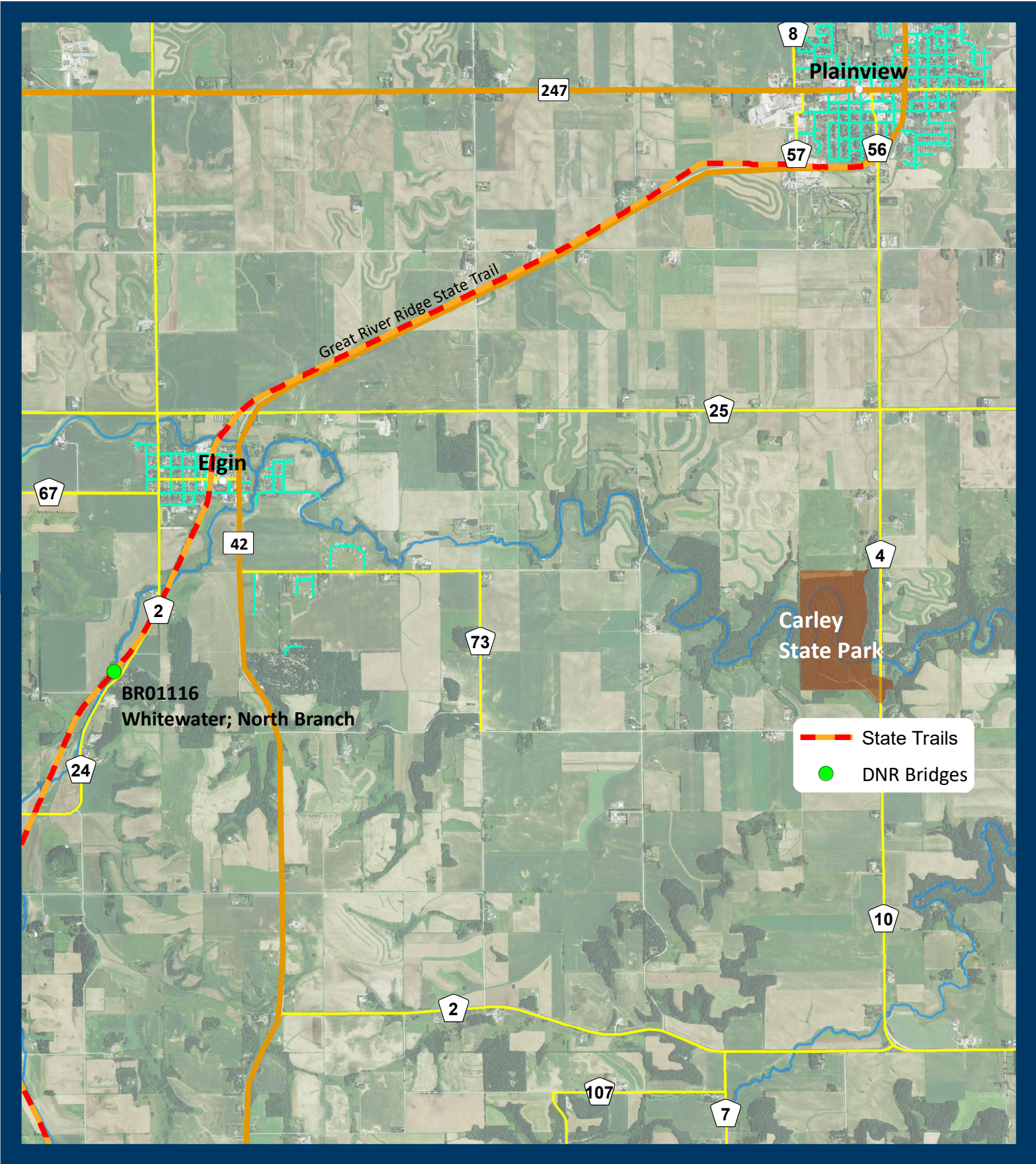
Taconite State Trail- St. Louis County

Replace Bridge BR01322 - Pike River Bridge



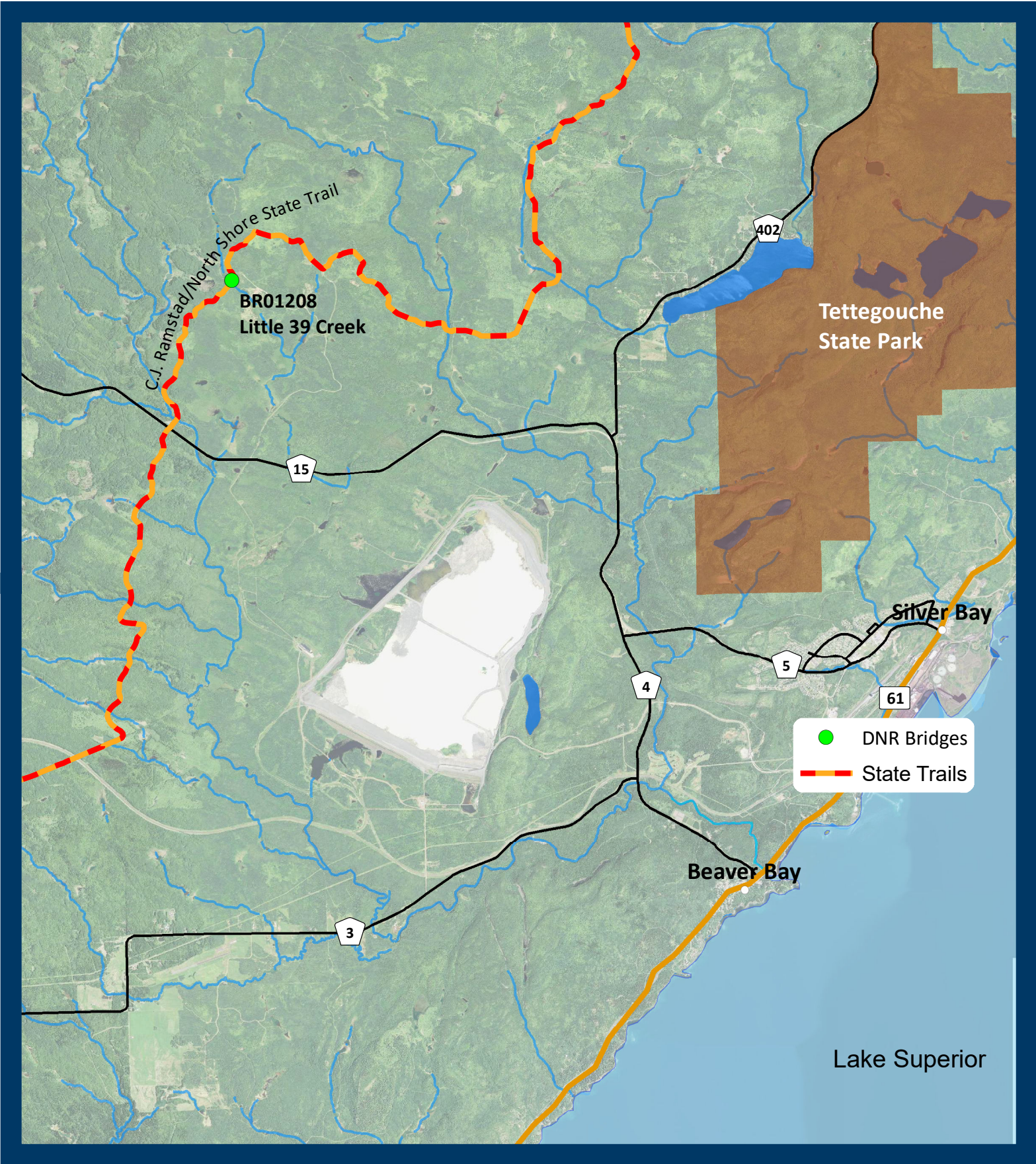
ACTIVITY 1
MAP 2

Great River Ridge State Trail- Wabasha Co.
Replace Bridge BR01116



ACTIVITY 1
MAP 3

North Shore State Trail- Lake Co.
Replace Bridge BR01208



ACTIVITY 1

MAP 4

North Shore State Trail- Lake Co.
Replace Bridge BR01216

