



Environment and Natural Resources Trust Fund (ENRTF)

M.L. 2020 ENRTF Work Plan (Main Document)

Today's Date: 27 November 2019

Date of Next Status Update Report: 1 April 2021

Date of Work Plan Approval:

Project Completion Date: 30 June 2023

Does this submission include an amendment request?

PROJECT TITLE: Minnesota State Trails Development

Project Manager: Kent Skaar

Organization: Minnesota Department of Natural Resources

College, Department, or Division: Division of Parks and Trails

Mailing Address: 500 Lafayette Road

City, State, Zip Code: St. Paul, MN 55155

Project Manager Direct Telephone Number: (651) 259-5636

Email Address: kent.skaar@state.mn.us

Web Address: www.dnr.state.mn

Location: See attached maps.

Total Project Budget: \$994,000

Amount Spent: \$0

Balance: \$994,000

Legal Citation: M.L. 2020, Chp. xx, Sec. xx, Subd. xx

Appropriation Language:

PROJECT STATEMENT: 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. Engineering, design, and construction will meet the requirements of the Americans with Disabilities Act (ADA), Minnesota Department of Natural Resources Trail Planning, Design and Development Guidelines, the Minnesota Department of Transportation Bikeways Facility Design Manual, and the American Association of State Highway and Transportation Officials (AASHTO) guide for the development of bicycle facilities.

Each of the Minnesota State Trail proposals identified for this project, including: (1) Taconite State Trail – Pike River Bridge Replacement; (2) Great River Ridge State Trail – N. Branch Whitewater River Bridge Replacement; (3) C.J. Ramstad/North Shore State Trail – Little 39 Creek bridge Replacement; and (4) C.J. Ramstad/North Shore State Trail – E. Branch Manitou River represent opportunities to enhance and maintain the existing recreational trail opportunities and improve user safety by completing needed facility safety improvements and by providing matching funds for projects with Federal Grants. Should the above referenced projects be subject to unanticipated delays or are not be able to be completed as proposed, the following project would be funded as an alternative and an amendment to the project submitted for approval prior to implementation: Luce Line State Trail – Watertown Bridge Replacement.

II. OVERALL PROJECT STATUS UPDATES:

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Final Report June 30, 2023

III. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1 Title: State Trail Bridge Rehabilitation or Replacement

Description: This activity proposes the replacement of (4) four existing State Trail Bridges that have been determined by formal inspection to have a Conditional Index Rating of Fair to Poor and are recommended for complete replacement within 2 years. Each of the four bridges identified for this activity are currently subject to annual inspection and will be subject to additional load and use restrictions or closure should conditions change. 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 project is to consist of the replacement of the existing 140 foot long steel truss trail bridge that carries the State Trail over the Pike River. The current bridge has a posted 5000 lbs. load restriction which precludes any maintenance equipment, including snowmobile groomers from crossing the bridge. The replacement structure is proposed to be a new steel truss bridge with a 15 ton load rating, therefore capable of supporting all maintenance and emergency equipment. Estimated cost of engineering and construction: \$380,000.
- (2) **Great River Ridge State Trail-Wabasha Co.:** This project is to consist of the replacement of the existing 155 foot long timber pile, Trail Bridge that carries the State Trail over the North

Branch of the Whitewater River approximately 1.3 miles south of the community of Elgin. This structure was originally constructed as a railroad bridge in 1909 and converted to trail use in the 1990's. The current bridge has a posted 6000 lbs. load restriction which precludes any maintenance equipment, including snowmobile groomers from crossing the bridge. The replacement structure is proposed to be a new 140 foot long steel truss bridge with a 15 ton load rating, therefore capable of supporting all maintenance and emergency equipment. Estimated cost of engineering and construction: \$425,000.

- (3) **CJ Ramstad/North Shore State Trail-Lake Co.:** This project proposes the replacement of the existing, 22 foot long, primitive timber bridge that carries the natural surfaced, state trail over Little 39 Creek, northwest of the community of Silver Bay. This bridge was originally constructed by the MnDNR Trail staff in the 1980's. It is currently proposed that this bridge structure be replaced with an aluminum, 3-sided arch culvert. The use of these structures will permit the natural stream bottom to remain unaltered. The estimated cost of engineering and construction: \$145,000.
- (4) **CJ Ramstad/North Shore State Trail-Lake Co.:** This project proposes the replacement of the existing, 24 foot long, primitive timber bridge that carries the natural surfaced state trail over the East Branch Manitou River and is located just outside of the boundary of George H. Crosby-Manitou State Park. This bridge was originally constructed by the MnDNR Trail staff in the 1980's. It is currently proposed that this bridge structure be replaced with an aluminum, 3-sided arch culvert. The use of these structures will permit the natural stream bottom to remain unaltered. The estimated cost of engineering and construction: \$165,000.

ACTIVITY 1 ENRTF BUDGET: \$994,000

Outcome	Completion Date
1. (a) Taconite State Trail: Project Engineering Complete and Construction Contract Awarded	<i>June 1, 2021</i>
(b) Taconite State Trail: Project Construction Complete	<i>December 31, 2021</i>
2. (a) Great River Ridge State Trail: Project Engineering Complete and Construction Contract Awarded	<i>June 1, 2021</i>
(b) Great River Ridge State Trail: Project Construction Complete	<i>December 31, 2021</i>
3. (a) North Shore State Trail (Bridge 1): Project Engineering and Construction Contract Awarded	<i>March 1, 2022</i>
(b) North Shore State Trail (Bridge 1): Project Construction Complete	<i>August 1, 2022</i>
4. (a) North Shore State Trail (Bridge 2): Project Engineering and Construction Contract Awarded	<i>March 1, 2022</i>
(b) North Shore State Trail (Bridge 1): Project Construction Complete	<i>August 1, 2022</i>

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Fourth Update October 1, 2022

Final Report June 30, 2023

IV. DISSEMINATION:

Description: The projects to be completed under this budget/activity will be completed in cooperation with each of the nearby communities, local Trail Association or Friends Organization and user groups.

Project planning and design will be completed with the complete participation of the State Trail local partners. Notifications regarding trail development / bridge closure schedules and impacts to existing trail use will be placed on the Minnesota Department of Natural Resources Web pages for the specific project trails (see below). Notifications will also be published directly by the Department of Natural Resources in local newspapers should the anticipated impacts warrant.

- https://www.dnr.state.mn.us/state_trails/taconite/index.html
- https://www.dnr.state.mn.us/state_trails/great_river_ridge/index.html
- https://www.dnr.state.mn.us/state_trails/north_shore/index.html

The Minnesota Environment and Natural Resources Trust Fund (ENRTF) will be acknowledged through use of the trust fund logo or attribution language on project print and electronic media, publications, signage, and other communications per the [ENRTF Acknowledgement Guidelines](#).

First Update April 1, 2021

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Third Update April 1, 2022

Fourth Update October 1, 2022

Final Report June 30, 2023

V. ADDITIONAL BUDGET INFORMATION:

A. Personnel and Capital Expenditures

Explanation of Capital Expenditures Greater Than \$5,000: The ENRTF Budget for this project of \$994,000 is proposed to be expended entirely on the replacement of the four bridges identified and located on the Taconite, Great River Ridge and CJ Ramstad/North Shore State Trails. Each of the projects will be confined to lands administered by the State of Minnesota. The replacement of these existing bridges will require that the defined trail segment be closed to all public use for a period of time. The locations of these bridges do not provide opportunities for temporary detours.

Explanation of Use of Classified Staff:

Total Number of Full-time Equivalent (FTE) Directly Funded with this ENRTF Appropriation:

Enter Total Estimated Personnel Hours for entire duration of project: 0	Divide total personnel hours by 2,080 hours in 1 yr = TOTAL FTE: 0
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Total Number of Full-time Equivalent (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation:

Enter Total Estimated Contract Personnel Hours for entire duration of project: 10,400	Divide total contract hours by 2,080 hours in 1 yr = TOTAL FTE: 5
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VI. PROJECT PARTNERS:

- A. Partners outside of project manager’s organization receiving ENRTF funding: None
- B. Partners outside of project manager’s organization NOT receiving ENRTF funding: Project partners include the local snowmobile sponsors and clubs, Wabasha County and the Minnesota

Department of Transportation. Partner participation includes supplemental funding, providing trail rights-of-way and design review assistance.

VII. LONG-TERM- IMPLEMENTATION AND FUNDING:

Each of the identified projects are all existing components of the Outdoor Recreation System and will be implemented through the MNDNR Division of Parks and Trails Division staff. The replacement of these existing bridge structures represent improvements or enhancements to each of the individual state trails, will immediately improve user and maintenance staff safety and will assure that these recreational trail corridors remain open and available for public use.

The engineering and design for each of the four projects will be completed by the Department of Natural Resources, Division of Operations Services, Design and Construction Section. All engineering and design will be initiated at the time of approval of the ENRTF Workplan and Budget. Contract and construction administration for all projects will also be provided by the Department of Natural Resources, Division of Operations Services.

Upon completion of these projects and given the type of the projects, it is not anticipated that significant revision, rehabilitation or repair to the individual bridges or culverts will be required for more than 30 years. Each of the bridge to culvert replacements will result in the removal on a bridge from the Department of Natural Resources Bridge Inventory eliminating all future bridge inspections and significantly limiting the annual maintenance in perpetuity. Required seasonal maintenance, including trail surface maintenance and limited surface repairs, vegetation management, fencing and regulatory and informational sign maintenance will be completed by the MnDNR Trail Operations staff who currently administer, operate and maintain the respective state trails.

VIII. REPORTING REQUIREMENTS:

- Project status update reports will be submitted April 1 and October 1 each year of the project
- A final report and associated products will be submitted on June 30, 2023

IX. SEE ADDITIONAL WORK PLAN COMPONENTS:

A. Budget Spreadsheet

B. Visual Component or Map

C. Parcel List Spreadsheet

D. Acquisition, Easements, and Restoration Requirements

E. Research Addendum

Attachment A: Project Budget Spreadsheet
 Environment and Natural Resources Trust Fund
 M.L. 2020 Budget Spreadsheet



Legal Citation:
 Project Manager: Kent Skaar
 Project Title: Minnesota State trails Development
 Organization: Minnesota Department of Natural Resources
 Project Budget: \$994,000
 Project Length and Completion Date: Each Project will be completed in 1.5 to 3 years / Final Completion 6/30/2023
 Today's Date: 11/27/2019

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET		Budget	Amount Spent	Balance
BUDGET ITEM				
Personnel (Wages and Benefits)	Not Applicable To This Project	\$ -	\$ -	\$ -
Professional/Technical/Service Contracts:	Engineering and Design			
<i>Principal Engineering and Design for this project will be the responsibility of the MNDNR Engineering, Design and Construction Section. However some projects may require contract consultants due to state wide priorities or consultant expertise. All consultant design contracts will be awarded based upon the results of a competitive RFP selection process.</i>				
State Trail Bridge Renewal or Replacement:				
Taconite State Trail-Pike River Bridge Replacement		\$ 30,000	\$ -	\$ 30,000
Great River Ridge State Trail - North Branch Whitewater River Bridge Replacement		\$ 30,000	\$ -	\$ 30,000
CJ Ramstad/Northshore State Trail: Little 39 Creek Bridge Replacement		\$ 24,500	\$ -	\$ 24,500
CJ Ramstad/Northshore State Trail: East Branch Manitou River Bridge Replacement		\$ 24,500	\$ -	\$ 24,500
Equipment/Tools/Supplies	Not Applicable to this Project			
Capital Expenditures Over \$5,000				
<i>For each of the Minnesota State Trail Development or renewal projects identified, all construction will be competed by qualified, independent contractors selected through the State of Minnesota's competitive contract bidding process.</i>				
State Trail Bridge Renewal or Replacement:				
Taconite State Trail-Pike River Bridge Replacement		\$ 197,150	\$ -	\$ 197,150
Great River Ridge State Trail - North Branch Whitewater River Bridge Replacement		\$ 418,780	\$ -	\$ 418,780
CJ Ramstad/Northshore State Trail: Little 39 Creek Bridge Replacement		\$ 128,056	\$ -	\$ 128,056
CJ Ramstad/Northshore State Trail: East Branch Manitou River Bridge Replacement		\$ 128,056	\$ -	\$ 128,056
Glacial Lakes State Trail: Development of New London / Co Hwy 40 Segment:			\$ -	\$ -
Fee Title Acquisition	NA			
		\$ -	\$ -	\$ -
Easement Acquisition	NA			
		\$ -	\$ -	\$ -
Professional Services for Acquisition	NA			
		\$ -	\$ -	\$ -
Printing	NA			
		\$ -	\$ -	\$ -
Travel expenses in Minnesota	NA			
		\$ -	\$ -	\$ -
Other				
DNR's direct and necessary costs (~\$14,247 total) 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	\$ -	\$ 12,958
COLUMN TOTAL		\$ 994,000	\$ -	\$ 994,000

SOURCE AND USE OF OTHER FUNDS CONTRIBUTED TO THE PROJECT	Status (secured or pending)	Budget	Spent	Balance
Non-State: Taconite State Trail: Federal Recreational Trail Grant	Secured	\$ 150,000	\$ -	\$ 150,000
State:	NA	\$ -	\$ -	\$ -
In kind:	NA	\$ -	\$ -	\$ -

Other ENRTF APPROPRIATIONS AWARDED IN THE LAST SIX YEARS	Amount legally obligated but not yet spent	Budget	Spent	Balance
ML 2017, Chp. 96, Sec. 2, Subd. 09d. - Minnesota State Trail Projects on the Mill Towns and Casey Jones State Trails.	\$ 709,220	\$ 1,038,000	\$ 328,780	\$ 709,220
ML 2018, Chp. 214, Art.4, Sec. 2, Subd. 09j. - Minnesota State Trail Projects on the Gateway and Gitche Gami State Trails.	\$ 255,655	\$ 2,500,000	\$ 144,345	\$ 2,355,655
M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 09d - Minnesota State Trail Projects on the Arrowhead, Central Lakes, Harmony-Preston Valley, Matthew Lourey, CJ Ramstad/Northshore, Gateway, Gitche Gami and Minnesota Valley State Trails.	\$ -	\$ 5,000,000	\$ -	\$ 5,000,000