



# Environment and Natural Resources Trust Fund (ENRTF)

## M.L. 2019 ENRTF Work Plan (Main Document)

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**Today's Date:** June 13, 2019

**Date of Next Status Update Report:** March 1, 2020

**Date of Work Plan Approval:**

**Project Completion Date:** December 31, 2021

**Does this submission include an amendment request?** \_\_\_

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**PROJECT TITLE:** Historic Bruce Mine Park and Mesabi Trailhead

**Project Manager:** Robert Manzoline

**Organization:** St. Louis and Lake Counties Regional Railroad Authority

**College/Department/Division:**

**Mailing Address:** 111 Station 44 Road

**City/State/Zip Code:** Eveleth, MN 55734

**Telephone Number:** 218-744-2653

**Email Address:** bmanzoline@rrauth.com

**Web Address:** mesabitrail.com

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**Location:** located in the northeast region of Minnesota and within St. Louis County and within Balkan Township and within the City of Chisholm

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**Total Project Budget:** \$1,000,000

**Amount Spent:** \$0

**Balance:** \$1,000,000

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**Legal Citation:** M.L. 2019, 1<sup>st</sup> Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 9(q)

**Appropriation Language:**

\$1,000,000 the first year is from the trust fund to the commissioner of natural resources for a grant to the St. Louis and Lake Counties Regional Railroad Authority to engineer, design, renovate, and construct the Historic Bruce Mine Park and Mesabi Trailhead and access in the city of Chisholm. This appropriation is available until June 30, 2023, by which time the project must be completed and final products delivered.

**I. PROJECT STATEMENT:** The project goal is to redevelop a former mine site into a trailhead for the Mesabi Trail and provide an interpretative center and park for the Bruce Mine Headframe Historic Site.

The overall goal is to create the Bruce Mine Park where patrons will be able to envision what it was like pulling ore from the ground and preparing it for shipment. A self-guided tour will have an interpretive center and plaques explaining how the relics operated in the past by using the remaining structures including the headframe, railroad track and various structural foundations. The Park will serve as a trailhead for the Mesabi Trail providing parking, restrooms and information to travelers and trail users of the local and regional area.

The project will tell the story of the Bruce Mine and headframe, constructed in 1926 by the Harvester Company, in how equipment and manpower was used to haul iron ore up from the underground mine then loaded onto tram cars for storage or processing then transported by rail to the ore ships on Lake Superior.

The Iron Range has libraries worth of historical stories and the Bruce Headframe is the last standing headframe on the Mesabi Iron Range. Preserving and interpreting this site for generations to come is an important piece of mining history.

**II. OVERALL PROJECT STATUS UPDATES:**

**First Update March 1, 2020**

**Second Update September 1, 2020**

**Third Update March 1, 2021**

**Fourth Update September 1, 2021**

**Final Report between project end (December 31, 2021) and February 15, 2022**

**III. PROJECT ACTIVITIES AND OUTCOMES:**

**ACTIVITY 1 Title: Environmental Clearance**

**Description:** The project will involve construction that will disturb earth and vegetation requiring an environmental assessment be performed. The assessment area, based on the project design, will be evaluated for negative environmental impacts and potential cultural resource disturbance. The environmental review will include field investigations and historical research of existing plant, animal, water resources, cultural remnants and other potential environmental impacts caused by development of the project. As needed, permits will be secured from agencies having jurisdiction over impacted areas. Wetland mitigation is not anticipated for this project.

**ACTIVITY 1 ENRTF BUDGET: \$ 8,000**

Outcome	Completion Date
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1. Environmental Clearance	November 2019
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**First Update March 1, 2020**

**Second Update September 1, 2020**

**Third Update March 1, 2021**

**Fourth Update September 1, 2021**

**Final Report between project end (December 31, 2021) and February 15, 2022**

**ACTIVITY 2 Title: Architectural Design and Engineering**

**Description:** The project will involve architectural, landscape and engineering design for all project elements including structures, roadways, parking, landscaping, interpretative signs, pathways lighting, sewers, water pipelines and other. The project will be designed by professional architects and engineers whom will provide concept planning, public presentation, estimated costs, final plans, bidding and construction management. A preliminary concept plan is attached to this workplan and the basis for advancing this work. The entire facility will be compliant with regulations set forth within the Americans with Disabilities Act.

**ACTIVITY 2 ENRTF BUDGET: \$114,000**

Outcome	Completion Date
1. Design and survey	April 2020
2. Construction management, testing, permits	August 2021

**First Update March 1, 2020**

**Second Update September 1, 2020**

**Third Update March 1, 2021**

**Fourth Update September 1, 2021**

**Final Report between project end (December 31, 2021) and February 15, 2022**

**ACTIVITY 3 Title: Site Improvements/Construction**

**Description:** construction will be performed in accordance with the plans and specifications developed by the architect and engineer. A contractor will be selected to perform this work based on the St. Louis County public bidding process. Construction work will include clearing and grubbing the site, installation of asphalt paving, curbs, gutters, sidewalks, electrical systems, buildings, kiosk, signs, landscaping, seeding, tree planting and other.

**ACTIVITY 3 ENRTF BUDGET: \$ 878,000**

<b>Outcome</b>	<b>Completion Date</b>
1 Site clearing, grubbing and landscaping	July 2020
2. Mechanical and electrical systems	August 2020
3. Site improvements	August 2021

**First Update March 1, 2020**

**Second Update September 1, 2020**

**Third Update March 1, 2021**

**Fourth Update September 1, 2021**

**Final Report between project end (December 31, 2021) and February 15, 2022**

**IV. DISSEMINATION:**

**Description:** Mesabi Trail news and updates are provided through a variety of media, marketing and publications. Web site is: Mesabitrail.com. The following are some of the groups & organizations that disseminate Mesabi Trail information and typically include updates of newly completed trail segments and activities:

- Club Mesabi (10,000 maps & web site)
- Iron Range Tourism (30,000 brochures & web site)
- MN Office of Tourism
- ampers radio
- Parks & Trails, Home & Away, other private magazines
- 200,000 trail users per year
- Yearly “Mesabi Trail Tour” 700 registered riders
- Named by Bicycle Magazine as” top 10 in the country”
- Coop visitors with the MN Discovery Center

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 March 1, 2020**

**Second Update September 1, 2020**

**Third Update March 1, 2021**

**Fourth Update September 1, 2021**

**Final Report between project end (December 31, 2021) and February 15, 2022**

**V. ADDITIONAL BUDGET INFORMATION:**

**A. Personnel and Capital Expenditures**

Facilities constructed for this project will have a useful life of greater than 20 years as exhibited by other LCCMR grant funds used for constructing other segments of the Mesabi Trail project. The intended use of the Historic Bruce Mine Park and Mesabi Trailhead is not foreseen to change nor will the facility be sold.

**Explanation of Capital Expenditures Greater Than \$5,000:** Cost for constructing this facility as explained within Activity 3 exceeds \$5,000. Facilities constructed for this project will have a useful life of greater than 20 years as exhibited by other LCCMR grant funds used for constructing other segments of the Mesabi Trail project. The intended use of the Historic Bruce Mine Park and Mesabi Trailhead is not foreseen to change nor will the facility be sold.

Estimated costs for capital expenditures are seen in within Attachment A, Budget Spreadsheet and further described as follows:

Selective Site Demolition & Grading: includes clearing trees, bush and vegetation from the site where improvements are intended to be made. Earthwork grading will be performed to level the site, build embankments, excavate ditches and slope/contour the site.

Site Improvements: includes installation of concrete pads & walks, asphalt paving, gravel surfacing, concrete curb & gutter, landscaping, topsoil, seeding, turf establishment, gates, and interpretive signs.

Building and Structures: includes kiosks, sign pedestals and porta-poddy enclosure.

Electrical Systems: includes electrical power supply, wiring, security lights and other lighting.

**Explanation of Use of Classified Staff:** N/A

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

Enter Total Estimated Personnel Hours for entire duration of project:	Divide total personnel hours by 2,080 hours in 1 yr = TOTAL FTE:
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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: 11,220	Divide total contract hours by 2,080 hours in 1 yr = TOTAL FTE: 5.4
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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: None**

**VII. LONG-TERM- IMPLEMENTATION AND FUNDING:**

The project will be implemented when the trailhead is open for public use. No further funding is needed after completion of the project as the project will fulfill its intended purpose. There will be no findings, results or products developed by the project.

**VIII. REPORTING REQUIREMENTS:**

- Project status update reports will be submitted March 1 and September 1 each year of the project
- A final report and associated products will be submitted between December 31, 2021 and February 15, 2022

**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:  
Environment and Natural Resources Trust Fund  
M.L. 2019 Budget Spreadsheet**



**Legal Citation:**  
**Project Manager:** Robert Manzoline  
**Project Title:** Historic Bruce Mine Park and Mesabi Trailhead  
**Organization:** St. Louis & Lake Counties Regional Railroad Authority  
**Project Budget:** \$1,000,000  
**Project Length and Completion Date:** August 2021  
**Today's Date:** June 13, 2019

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Budget	Amount Spent	Balance
<b>BUDGET ITEM</b>			
<b>Professional/Technical/Service Contracts</b>			
Professional architect and engineer for project design selected through state approved bidding process	\$ 84,000	\$ -	\$ 84,000
Professional architect and engineer for construction management selected through state approved bidding process	\$ 30,000	\$ -	\$ 30,000
Environmental consultant for environmental clearance documentation selected through state approved bidding process	\$ 8,000	\$ -	\$ 8,000
	\$ -	\$ -	\$ -
<b>Capital Expenditures Over \$5,000</b>			
Contract for Selective Site Demolition & Grading selected through state approved bidding process	\$ 122,500	\$ -	\$ 122,500
Contract for Site Improvements selected through state approved bidding process	\$ 615,500	\$ -	\$ 615,500
Contract for Buildings & Structures selected through state approved bidding process	\$ 50,000	\$ -	\$ 50,000
Contract for Electrical Systems selected through state approved bidding process	\$ 90,000	\$ -	\$ 90,000
	\$ -	\$ -	\$ -
<b>Other</b>			
	\$ -	\$ -	\$ -
<b>COLUMN TOTAL</b>	\$ 1,000,000	\$ -	\$ 1,000,000

OTHER FUNDS CONTRIBUTED TO THE PROJECT	Status (secured or pending)	Budget	Spent	Balance
<b>Non-State:</b>		\$ -	\$ -	\$ -
<b>State:</b>		\$ -	\$ -	\$ -
<b>In kind:</b>		\$ -	\$ -	\$ -

PAST AND CURRENT ENRTF APPROPRIATIONS	Amount legally obligated but not yet spent	Budget	Spent	Balance
<b>Current appropriation:</b>		\$ -	\$ -	\$ -
M.L. 2014, Chp. 226, Sec. 2, Subd. 07c		\$ 1,000,000	\$ 1,000,000	\$ -
M.L. 2015, Chp. 76, Sec. 2, Subd. 09i		\$ 1,000,000	\$ 862,753	\$ 137,247
M.L. 2016, Chp. 186, Sec. 2, Subd. 09e		\$ 1,200,000	\$ 109,598	\$ 1,090,402
M.L. 2017, Chp. 96, Sec. 2, Subd. 09g		\$ 2,269,000	\$ 331,774	\$ 1,937,226
M.L. 2018, Chp. 214, Art. 4, Sec. 2, Subd. 09b		\$ 600,000	\$ -	\$ 600,000
M.L. 2019, 1st Special Session, Chp. 4, Art. 2, Sec. 2, Subd. 09g		\$ 3,000,000	\$ -	\$ 3,000,000
		\$ -	\$ -	\$ -
<b>Past appropriations:</b>		\$ -	\$ -	\$ -
M.L. 1995, Chp. 220, Sec. 19, Subd. 04g2		\$ 150,000	\$ 150,000	\$ -
M.L. 1997, Chp. 216, Sec. 15, Subd. 18a		\$ 600,000	\$ 600,000	\$ -
M.L. 1999, Chp. 231, Sec. 16, Subd. 04b		\$ 1,000,000	\$ 1,000,000	\$ -
M.L. 2001, First Special Session, Chp. 2, Sec. 14, Subd. 05m		\$ 190,000	\$ 190,000	\$ -
M.L. 2003, Chp. 128, Art. 1, Sec. 9, Subd. 06h		\$ 380,000	\$ 380,000	\$ -
M.L. 2005, First Special Session, Chp. 1, Art. 2, Sec. 11, Subd. 06m		\$ 1,000,000	\$ 1,000,000	\$ -



# BRUCE MINE PARK CONCEPTUAL MASTER PLAN



CHISHOLM, MN

ARI PROJECT # 17-193 AMW

MARCH 14, 2018





# BRUCE MINE PARK | FINAL SCHEMATIC PLAN

CHISHOLM, MN

06/14/2019





# BRUCE MINE PARK | AERIAL VIEW FROM NORTHWEST

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06/14/2019

MARCH 10, 2018  
ARD PROJECT # 17-183 AMW  
Agenda Item: 3 B3