



Environment and Natural Resources Trust Fund (ENRTF) M.L. 2016 Work Plan

Date of Report: May 29, 2016

Date of Next Status Update Report: October 2016

Date of Work Plan Approval: June 7, 2016

Project Completion Date: June 30, 2019

Does this submission include an amendment request? No

PROJECT TITLE: Tower Historic Harbor Trail Connections

Project Manager: Linda Keith

Organization: City of Tower

Mailing Address: 602 Main Street, PO Box 576

City/State/Zip Code: Tower Minnesota 55790

Telephone Number: (218)753-4070

Email Address: linda@cityoftower.com

Web Address: www.cityoftower.com

Location: Saint Louis County

Total ENRTF Project Budget:

ENRTF Appropriation: \$679,000

Amount Spent: \$0

Balance: \$679,000

Legal Citation: M.L. 2016, Chp. 186, Sec. 2, Subd. 09f

Appropriation Language:

\$679,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the city of Tower to construct recreational trails along the harbor in Tower and to connect to the Mesabi Trail. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

I. PROJECT TITLE: Tower Historic Harbor Tower Trail Connections

II. PROJECT STATEMENT: This is a multi-faceted project that consist of the construction o f a pedestrian (hiking/biking) trail and development of a kayaking route along the banks of the East Two River located in Tower Minnesota. The harbor trail will be constructed around the newly redeveloped Tower Historic Harbor, go under the new Trunk Highway 169 Bridge and continue on an abandoned rail grade and then connect to the existing Mesabi Trail. The segment around the historic harbor will have interpretative signage that identifies the unique history of the harbor as it relates to the mining, logging, and tourism industries. The segment of the trail that connects the harbor to the Mesabi Trail will follow along the East Two River and will include interpretative signage that identify unique characteristics of the area’s geology, plants, and wildlife. The trail will be built with a bituminous surface, in the most environmentally sensitive manner, to provide access to nature enthusiasts of all ages. The users will be able to enjoy the variety of wetlands, and bogs, unique geological features and wildlife that will include otters, muskrats, eagles, ospreys, and a wide assortment of other wildlife.

The Kayak route will be mapped along the East Two River, West Two River and portions of Lake Vermilion. Interpretative signage will be incorporated along the shores of this route to highlight the large variety of unique environmental, historical, and geological characteristics of the rivers, lake, and shoreline.

III. OVERALL PROJECT STATUS UPDATES:

Project Status as of October 2016:

Project Status as of April 2017:

Project Status as of October 2017:

Project Status as of April 2018:

Project Status as of October 2018:

Final Report Summary: June 2019

Overall Project Outcomes and Results:

IV. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1:

Description: Project Management, Topographical Surveys, Geotechnical Exploration, Preliminary and Final Design, Construction Plans & Specifications, Construction Administration, and Legal and Administration. Project construction of the Tower Harbor Trail and connecting trail to the Mesabi Trail.

Summary Budget Information for Activity 1:

ENRTF Budget: \$ 659,350

Amount Spent: \$ 0

Balance: \$ 659,350

Outcome	Completion Date
1. Design, Engineer, Construct, and Complete 1,640 feet long by 10 foot wide trail around Harbor made of decorative concrete. The Harbor trail will be designed to be an average of 5 feet from the water separated by a rip rap shoreline as approved by the DNR. All landscaping around the trail will be constructed using natural and environmental preserving aquatic vegetation.	June 2019

<p>2. Design, Engineer, Construct, and Complete 2,450 foot long by 10 foot wide bituminous trail connecting to the Mesabi Trail. The majority of this trail will not be adjacent to the waterway. In areas it is next to the water, the bituminous trail will be located approximately 10 feet from the shoreline. All landscaping around the trail will be constructed using natural and environmental preserving aquatic vegetation. The bituminous trail closes the gap of 2,450 feet from the boardwalk to the existing Mesabi Trail.</p>	<p>June 2019</p>
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Project Status as of October 2016:

Project Status as of April 2017:

Project Status as of October 2017:

Project Status as of April 2018:

Project Status as of October 2018:

Final Report Summary: June 2019

ACTIVITY 2:

Description: Project Management, Topographical Surveys, Preliminary and Final Design, Construction Plans & Specifications, and Construction Administration. Project construction of a Kayak route and placement of interpretative signs.

Summary Budget Information for Activity 2:

ENRTF Budget: \$ 19,550
Amount Spent: \$ 0
Balance: \$ 19,550

Outcome	Completion Date
<p>13. Design, Engineer, Construct, and complete 14,200 feet of Kayak Routes with 10 interpretative signs placed at various historical, geological, or environmental points of significance along the route.</p>	<p>June 2019</p>

Project Status as of October 2016:

Project Status as of April 2017:

Project Status as of October 2017:

Project Status as of April 2018:

Project Status as of October 2018:

Final Report Summary: June 2019

V. DISSEMINATION:

Description: Upon completion of the Harbor and Mesabi Connection Trails, the location information will be communicated to local press and publishing groups for inclusion on local trail maps and guides. The City will advertise the trail completions in the local newspapers, the City’s Facebook page and on the City website. The

City will use the local tourism office and Chamber to communicate the completion of the trail to local business stakeholders. The City will utilize the local DNR office to communicate the availability of the trails and Kayak route through their Kiosks and information centers. The City will utilize local boat launches as sites to post information regarding the Kayak route.

Project Status as of October 2016:

Project Status as of April 2017:

Project Status as of October 2017:

Project Status as of April 2018:

Project Status as of October 2018:

Final Report Summary:

VI. PROJECT BUDGET SUMMARY:

A. ENRTF Budget Overview:

Budget Category	\$ Amount	Overview Explanation
Professional Services Contract for the Harbor Trail	\$74,200	Project Management, Design Surveys, Geotechnical, Construction Plans and Specifications, Construction Administration, Legal and Administration
Professional Services Contract for the Mesabi Trail Connection	\$69,900	Project Management, Design Surveys, Geotechnical, Construction Plans and Specifications, Construction Administration, Legal and Administration
Professional Services Contract for the Kayak Route	\$4,536	Project Management, Design Surveys, Construction Plans and Specifications, Construction Administration, Legal and Administration
Construction by Competitive Bid of Harbor Trail	\$265,228	Construction of trail
Construction by Competitive Bid of Connecting Trail	\$250,022	Construction of Trail
Construction by competitive bid of Kayak Signage	\$15,014	Construction of route signage
Printing & Publications	\$100	
TOTAL ENRTF BUDGET:	\$679,000.00	

Number of Full-time Equivalent (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation:

B. Other Funds:

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
Non-state			
In Kind Trail Administration by the City	\$10,000	\$0.00	For the administration of grant documents, payments, receipts, payroll reports, etc.

In Kind Trail Maintenance by the City	\$9,000	\$0.00	Maintenance, Grooming, Cleaning, and Construction assistance.
Tower Historical Society Interpretative Signage Research and Preparation	\$25,000.00	\$0	Research and Development of Signage
TOTAL OTHER FUNDS:	\$44,000.00	\$0	

VII. PROJECT STRATEGY:

A. Project Partners: City of Tower, Tower Soudan Historical Society, Funding Agencies / Contributors, and SEH, Inc. SEH was selected by the City to provide municipal engineering services. The City and SEH have entered into a professional services agreement for all City of Tower engineering including \$148,536 of ENRTF funds for the engineering of the Tower Harbor and connecting trails and the kayak project.

B. Project Impact and Long-term Strategy: The long term strategy for this project is to provide a high quality nature and recreation opportunity for people of all ages that does not impact the environment and offers environment educational opportunities. . Thousands of people travel to Lake Vermilion on an annual basis and through this project the City of Tower intends to provide recreation and tourism opportunities that do not impact the environment and improve the shoreline, water quality, and aquatic habitats. The long term strategy is to provide an opportunity for visitors to learn and understand

C. Funding History:

Funding Source and Use of Funds	Funding Timeframe	\$ Amount
IRRRB – The 2 mile rerouting of Trunk Highway 135 and the relocation of all utility infrastructure	Complete	\$3,200,000
HPP Federal Highway Funding – The relocation and reconstruction of the bridge allowing for the restoration of the Tower Harbor back to its original size and use.	Complete	\$1,538,249
DEED HDPI – Relocation of all public utilities to environmentally safe distance from the Lake and River	Complete	\$249,980
DEED Redevelopment Grant – Construction of local streets and utility infrastructure to the developable area of the Tower Harbor	Complete	\$724,450
IRRRB Grant – Dredging of the East Two River and Harbor to remove materials that had been continually dumped into the River and Harbor from a sawmill and factory. To remove garbage debris and materials dumped by individuals into the harbor after MN/DOT realigned the road in the 1950’s which closed the harbor to boat traffic and public use.	Complete	\$1,120,000

IX. VISUAL COMPONENT or MAP(S):

X. RESEARCH ADDENDUM:

XI. REPORTING REQUIREMENTS:

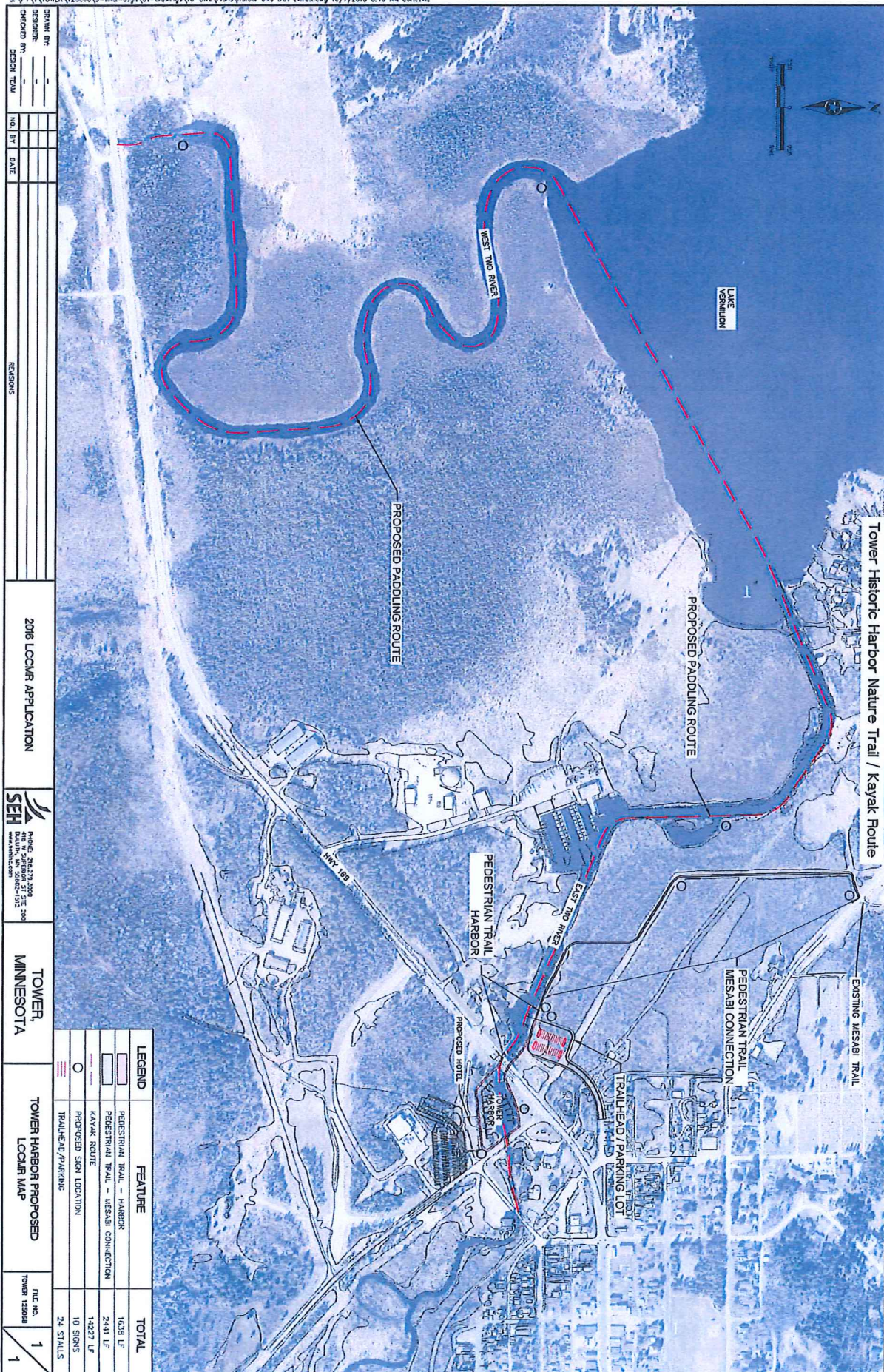
Periodic work plan status update reports will be submitted no later than Project Status as of October 31, 2016, April 30, 2017, October 31, 2017, April 20, 2018 and October 31, 2018 and a final report.

**Environment and Natural Resources Trust Fund
M.L. 2016 Project Budget**



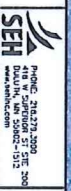
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Project Manager: Linda Keith
Organization: City of Tower
M.L. 2016 ENRTF Appropriation: \$679,000
Project Length and Completion Date: June 30, 2019
Date of Report: May 29, 2016

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Activity 1 Budget	Amount Spent	Activity 1 Balance	Activity 2 Budget	Amount Spent	Activity 2 Balance	TOTAL BUDGET	TOTAL BALANCE
BUDGET ITEM	<i>Fill in your activity title here.</i>			<i>Fill in your activity title here.</i>				
Professional/Technical/Service Contracts								
<i>SHE, Inc. Project Management, Topographical Surveys, Preliminary and Final Design, Construction Plans, and Specifications, and Construction Administration</i>	\$144,100	\$0	\$144,100	\$4,536	\$0	\$4,536	\$148,636	\$148,636
<i>TBD: (Competitive Bid): Construction Contractor</i>	\$515,250	\$0	\$515,250	\$12,014	\$0	\$12,014	\$527,264	\$527,264
<i>Signage</i>				\$3,000		\$3,000	\$3,000	\$3,000
Printing								
<i>Public Postings and Public Announcements</i>	\$50	\$0	\$50	\$50	\$0	\$50	\$100	\$100
COLUMN TOTAL	\$659,400	\$0	\$659,400	\$19,600	\$0	\$19,600	\$679,000	\$679,000



DESIGNED BY	DATE
CHECKED BY	DATE
DESIGN TEAM	
NO. BY	DATE
REVISIONS	

2016 LOCUR APPLICATION



TOWER, MINNESOTA

TOWER HARBOR PROPOSED LOCUR MAP

FILE NO.	1
TOWER 150003	1

LEGEND	FEATURE	TOTAL
	PEDESTRIAN TRAIL - HARBOR	1629 LF
	PEDESTRIAN TRAIL - MESABI CONNECTION	2411 LF
	KAYAK ROUTE	14227 LF
	PROPOSED SIGN LOCATION	10 SIGNS
	TRAILHEAD/PARKING	24 STALLS

