

**Environment and Natural Resources Trust Fund
2020 Request for Proposals (RFP)**

Project Title:

ENRTF ID: 270-G

Elm Creek Restoration Phase IV

Category: G. Land Acquisition for Habitat and Recreation

Sub-Category:

Total Project Budget: \$ 650,200

Proposed Project Time Period for the Funding Requested: June 30, 2022 (2 yrs)

Summary:

Elm Creek Habitat Restoration Improvements includes 0.7 miles of habitat and stream restoration up-gradient of the Mill Pond Lakes and flows through the Elm Creek Protection Areas.

Name: Todd Tuominen

Sponsoring Organization: City of Champlin

Job Title: Assistant City Engineer

Department: Engineering

Address: 11955 Champlin Drive
Champlin MN 55316

Telephone Number: (763) 923-7120

Email ttuominen@ci.champlin.mn.us

Web Address: https://ci.champlin.mn.us/

Location:

Region: Metro

County Name: Hennepin

City / Township: CHAMPLIN

Alternate Text for Visual:

Elm Creek through Jo Nunn Park and Elm Creek Park Area

<input type="checkbox"/>	Funding Priorities	<input type="checkbox"/>	Multiple Benefits	<input type="checkbox"/>	Outcomes	<input type="checkbox"/>	Knowledge Base	
<input type="checkbox"/>	Extent of Impact	<input type="checkbox"/>	Innovation	<input type="checkbox"/>	Scientific/Tech Basis	<input type="checkbox"/>	Urgency	
<input type="checkbox"/>	Capacity Readiness	<input type="checkbox"/>	Leverage	<input type="checkbox"/>		TOTAL	<input type="checkbox"/>	%



PROJECT TITLE: Elm Creek Habitat Restoration

I. PROJECT STATEMENT

Elm Creek Stream Restoration project is a high priority project multiple phase project in cooperation with the City of Champlin, Elm Creek Watershed Management Commission and Hennepin County to restore water resources that within the City of Champlin and the Elm Creek Watershed. The City of Champlin Management Plan developed in 2008 has identified goals for accelerating programs and projects for improved habitat, water quality and flood control through a variety of conservation measures in areas surrounding Champlin Minnesota.

Prioritization and implementation of appropriate protection, enhancement and restoration measures on area lands, streams, ditches, rivers, lakes and wetlands within the City of Champlin and Elm Creek Watershed have been accelerated through use of conservation decision making tools which aid in determining high priority projects that are beneficial to the City of Champlin, Elm Creek Watershed and the Upper Mississippi River Watershed. The Elm Creek Habitat Restoration Project is divided into six phases.

Phase 1 included replacement of the existing Mill Pond dam in May of 2016. Phase 2 is the Mill Pond aquatic habitat restoration through installation of habitat structures and restoration of deep water habitat refuge lake depths by removal of excess nutrient laden sediments in the three bays of the Mill Pond which is a full funded project proposed for construction completion in March of 2018. Phase 3 included 3,700 linear feet of stream bank restoration of Elm Creek, fully funded with construction completion in May of 2019.

Phases IV is a continuation of the Elm Creek habitat restoration project. This project includes 3,670 linear feet of stream bank restoration of Elm Creek which is located upgradient of the Mill ponds. Preliminary design plans have been completed in cooperation with the MNDNR, Elm Creek Management Commission and Hennepin County. Elm Creek is impaired water with low dissolved oxygen, restoring the stream banks and providing habitat structure will reduce downstream sedimentation and provide native habitat improvements including root wads, boulder vanes, toewood, boulder clusters, rock weirs and riffles with varied substrate to enhance aquatic species habitat including sensitive species such as Blandings Turtle. The riparian areas of the creek will be restored with native planting buffer using native seeding that will filter sediments and nutrients from direct runoff. Our current water plan specifically identifies goals for accelerating projects for improved habitat, water quality and flood control. The project allows the City of Champlin to meet these goals and open opportunities for the public that includes recreation, fishing and educational experiences.

In preparing the Habitat Restoration Plan, the City of Champlin utilized all available data which includes hydrologic assessments and completed field surveys of Elm Creek Phase IV project based on standards in the Minnesota Department of Natural Resources (MNDNR) Fisheries Stream Survey Manual, Rosgen Channel Characterization. Our experience in completing previous phases of habitat restoration projects we have effectively reduced costs on the project, achieved overall project goals and allows effectively efficient project completion schedule.

II. PROJECT ACTIVITIES AND OUTCOMES

Activity 1: *Final Design, Engineering, Permitting and Construction Supervision*

Description: *This activity includes engineering, design, permitting, supervision of construction, permit compliance inspections, and survey (post construction),*

ENRTF BUDGET: \$104,700.00



**Environment and Natural Resources Trust Fund (ENRTF)
2020 Main Proposal Template**

Outcome	Completion Date
<i>1. Engineering/Construction Plans and Bid Specifications</i>	<i>October 2020</i>
<i>2. Permit Requirements: MPCA, MNDNR, USCOE, SWCD, City and County</i>	<i>October 2020</i>
<i>3. Construction Supervision: Permit Compliance Inspection and Construction Supervision</i>	<i>March 2021</i>
<i>4. Post Construction Stream Survey and Project Summary Report</i>	<i>May 2021</i>

Activity 2: Phase IV Elm Creek Habitat Restoration and Construction.

Description: *This activity includes construction materials and construction services for Elm Creek habitat restoration and native buffers.*

ENRTF BUDGET: \$545,500.00

Outcome	Completion Date
<i>5. Streambank Restoration construction, development of instream habitat features, seeding and native buffers.</i>	<i>March 2021</i>
<i>6. Construction materials, native seed and erosion control</i>	<i>March 2021</i>

III. PROJECT PARTNERS AND COLLABORATORS:

The City of Champlin will be the fiscal agent receiving funds for the project. The following local agencies will assist by providing technical input: Hennepin Co. Environmental Services, Elm Creek Watershed Commission, SWCD, Minnesota Natural Resources Conservation Service, Bureau of Soil and Water Resources, and the US Army Corps of Engineers. Outside services required to complete the project include environmental, GIS, engineering and construction.

IV. LONG-TERM IMPLEMENTATION AND FUNDING:

The habitat restoration project is designed for long-term ecological and hydraulic stability. Once the project is completed and vegetation well established, no significant maintenance is will be required to sustain the designed habitat outcomes. The increase in wildlife, amphibian and fish populations are gains which are sustainable long-term through natural reproduction. The goal for timeline requirements of overall project is approximately 1 year. Phase IV which we are requesting funding timeline requirements is approximately 1.0 years.

We anticipate that long-term monitoring of the integrity of the improvements will be done in conjunction with routine inspections and biological monitoring conducted by local MNDNR staff, volunteers from local and the City of Champlin as appropriate. This monitoring and maintenance will not require separate funding. In the event that there are other maintenance costs, volunteer labor and other funds sources will be obtained to complete the required maintenance.

Long term goals of the project are to restore aquatic habitat and restore structural elements. Placement of aquatic structures including rock vanes and riffle pools will optimize oxygen levels in the stream and gravel beds and woody structure will improve the habitat and stream biota. The improvements described above will be incorporated in Phase IV and will require future funding request for Phase V. The City will construct aquatic habitat improvements in Hayden Lake as part of Phase VI. A long-term monitoring/maintenance plan will be implemented to assure all constructed habitat restoration measures are adequately functioning as designed for the project.

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



Legal Citation:

Project Manager: Todd Tuominen

Project Title: Elm Creek Habitat Restoration

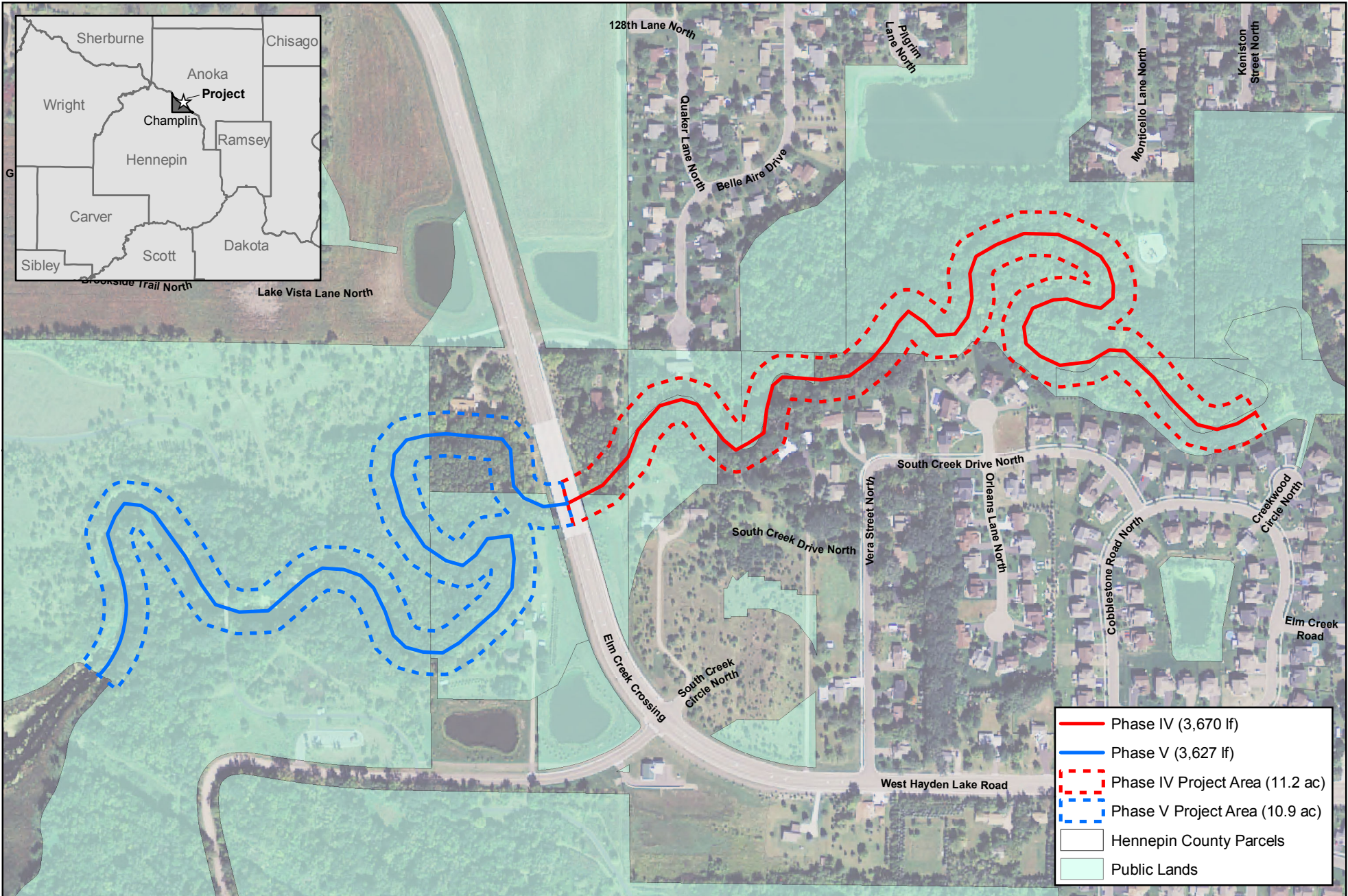
Organization: City of Champlin

Project Budget: \$500,200.00

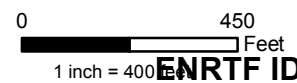
Project Length and Completion Date: 1.0 Year, May 2021

Today's Date: 4-10-19

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET		Budget	Amount Spent	Balance
BUDGET ITEM				
Personnel (Wages and Benefits)		\$ -	\$ -	\$ -
Professional/Technical/Service Contracts				
Contract with Engineering Company TBD to complete engineering and permitting services		\$ 104,700	\$ -	\$ 104,700
Contract with Construction Company TBD to complete construction services.		\$ 246,200		\$ 246,200
Equipment/Tools/Supplies				
Construction Materials		\$ 299,300	\$ -	\$ 299,300
Capital Expenditures Over \$5,000				
		\$ -	\$ -	\$ -
Fee Title Acquisition				
		\$ -	\$ -	\$ -
Easement Acquisition				
		\$ -	\$ -	\$ -
Professional Services for Acquisition				
		\$ -	\$ -	\$ -
Printing				
		\$ -	\$ -	\$ -
Travel expenses in Minnesota				
		\$ -	\$ -	\$ -
Other				
		\$ -	\$ -	\$ -
COLUMN TOTAL		\$ 650,200	\$ -	\$ 650,200
SOURCE AND USE OF OTHER FUNDS CONTRIBUTED TO THE PROJECT				
	Status (secured or pending)	Budget	Spent	Balance
Non-State: City of Champlin and Elm Creek Watershed		\$ 150,000	\$ -	\$ -
State:		\$ 67,600	\$ -	\$ -
In kind: City of Champlin		\$ 55,000	\$ -	\$ -
Other ENRTF APPROPRIATIONS AWARDED IN THE LAST SIX YEARS				
	Amount legally obligated but not yet spent	Budget	Spent	Balance
		\$ 2,000,000	\$ 1,942,219	\$ 57,781



Elm Creek Stream Restoration
City of Champlin, Minnesota



Elm Creek Phase IV Restoration Project

CITY OF CHAMPLIN REFERENCES AND QUALIFICATIONS 2020

Mr. Todd Tuominen, Assistant City Engineer for the City of Champlin, will be the Project Manager for the **Elm Creek Phase IV Restoration Improvement Project**. Mr. Tuominen has over 25 years of experience in project management and coordination with the City of Champlin. Mr. Tuominen has managed previous projects related to stream and habitat restoration including the Mississippi Shoreline Stabilization, Elm Creek Phase I Stream Restoration, including the restoration of the Elm Creek Dam/ Stream Banks, down-stream of the proposed Elm Creek Phase IV Restoration Improvement Project. These projects utilized funding via the Clean Water Legacy Funds, State Bonding Funds, and FEMA and were successfully completed. Further, the projects met all grant obligations including reporting. Other experience includes the management of our current projects, which include the Mill Pond Shoreland and Aquatic Habitat Restoration and Elm Creek Phase III Habitat Restoration Project. These projects involved multi-agency regulatory, DNR, ENRTF, and State Bond Funding requirements.

Mr. Tuominen has regulatory experience and currently manages the MPCA MS-4 Permit Program including the City's Storm Water Protection Plan Program (SWPPP). In addition, he serves as Stake Holder on the Elm Creek Watershed Management Commission and the West Mississippi Watershed Management Commission.

Management tasks will include oversight of the Elm Creek Phase IV Restoration Consultant Services to provide Engineering, Environmental, and Inspection Services. Mr. Tuominen will manage the overall project including: City and Watershed approval, design, permitting, construction, restoration, public relations and project financials. The project financials will include Capital Improvement planning, funding, and managing expenditures for this natural resource improvement project.

The City of Champlin has experience as the lead agency in several cooperative improvement projects. It is intended that the City of Champlin will provide the leadership and good financial standing that is required for this project. The City has achieved a AA+ Bond Rating and has numerous awards in Financial Planning and Accounting. The City has extensive experience as the lead agency for multi-agency projects. This includes cooperative project partners with MN-DNR, State of MN-MMB, Hennepin County, West Mississippi Watershed District, Met Council, and the Elm Creek Watershed District.

The City of Champlin has developed a phased approach to addressing the construction of native habitat and environmental needs for the Elm Creek including: Elm Creek Phase I, Elm Creek Stream Restoration and Dam Replacement, Mill Pond Shoreland and Aquatic Habitat Restoration Project Phase II, and Elm Creek Stream Habitat Restoration Phase III. It is anticipated that the City will coordinate all aspects of the Elm Creek Phase IV Stream Restoration Project, including financial management, construction, and maintenance to successfully complete all required tasks and regulatory requirements.