Environment and Natural Resources Trust Fund
2019 Request for Proposals (RFP)

Project Title: **ENRTF ID: 221-F**

Elm Creek Stream Restoration Phase IV Final

Category: F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat

Sub-Category:

Total Project Budget: $ 858,650

Proposed Project Time Period for the Funding Requested: June 30, 2021 (2 yrs)

Summary:

The final phase of Elm Creek Stream Restoration, includes 1.4 miles of habitat & stream restoration which, flows through the Elm Creek Preservation Area upgradient of the Mill Ponds.

Name: Todd Tuominen

Sponsoring Organization: City of Champlin

Title: Assistant City Engineer

Department: Engineering

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Champlin MN 55316

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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

_____ Funding Priorities	_____ Multiple Benefits	_____ Outcomes	_____ Knowledge Base
_____ Extent of Impact	_____ Innovation	_____ Scientific/Tech Basis	_____ Urgency
_____ Capacity Readiness	_____ Leverage	_____ TOTAL	_____%
____ If under $200,000, waive presentation?			

PROJECT TITLE: Elm Creek Restoration Phase IV Final

I. PROJECT STATEMENT

Elm Creek Stream Restoration project is a high priority project multiple phase project in cooperation with the City of Champlin and Elm Creek Watershed Management Commission 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.

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 West Mississippi Watershed. The Elm Creek Habitat Restoration Project is divided into six phases.

Phases IV and V are a continuation of the Elm Creek habitat restoration project. This project includes 1.4 miles 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 Environmental. 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.

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*
ENRTF BUDGET: $125,100.00

Outcome	Completion Date
1. Engineering/Construction Plans and Bid Specifications	*12/2019*
2. Permit Requirements: MPCA, MNDNR, USCOE, SWCD, City and County	*2/2020*
3. Construction Supervision: Permit Compliance Inspection and Construction Supervision	*12/2020*

Activity 2: *Phase IV and V: Elm Creek Habitat Restoration and Construction. This activity includes construction materials and construction services for Elm Creek habitat restoration and native buffers.*
ENRTF BUDGET: $703,550.00

Outcome	Completion Date
3. Streambank Restoration construction, development of instream habitat features, seeding and native buffers.	*12/2020*
4. Construction materials, native seed and erosion control	*12/2020*

III. PROJECT PARTNERS:

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 and the US Army Corps of Engineers. Outside services required to complete the project include environmental, GIS, engineering and construction.

A. Partners receiving ENRTF funding

Name	Title	Affiliation	Role
Todd Tuominin	Assitant Engineer	City of Champlin	Fiscal Agent

B. Partners NOT receiving ENRTF funding

Name	Title	Affiliation	Role
Doug Baines	Chair	Elm Creek Watershed Commission	Technical Input
James Kujawa	Project Manager	Hennepin County Environmental Services	Technical Input

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.

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. A long term monitoring/ maintenance plan will be implemented to assure all constructed habitat restoration measures are adequately functioning as designed for the project.

V. TIME LINE REQUIREMENTS:

The goal for timeline requirements of overall project is approximately 3 years. Phase IV Final which we are requesting funding timeline requirements is approximately 1.5 years.

VI. SEE ADDITIONAL PROPOSAL COMPONENTS:

- **A. Proposal Budget Spreadsheet**
- **B. Visual Component or Map**
- **C. Parcel List Spreadsheet**
- **D. Acquisition, Easements, and Restoration Requirements**
- **E. Research Addendum (not required at proposal stage)**
- **F. Project Manager Qualifications and Organization Description**
- **G. Letter or Resolution**
- **H. Certified Audit or 990 Tax Information**

2019 Proposal Budget Spreadsheet

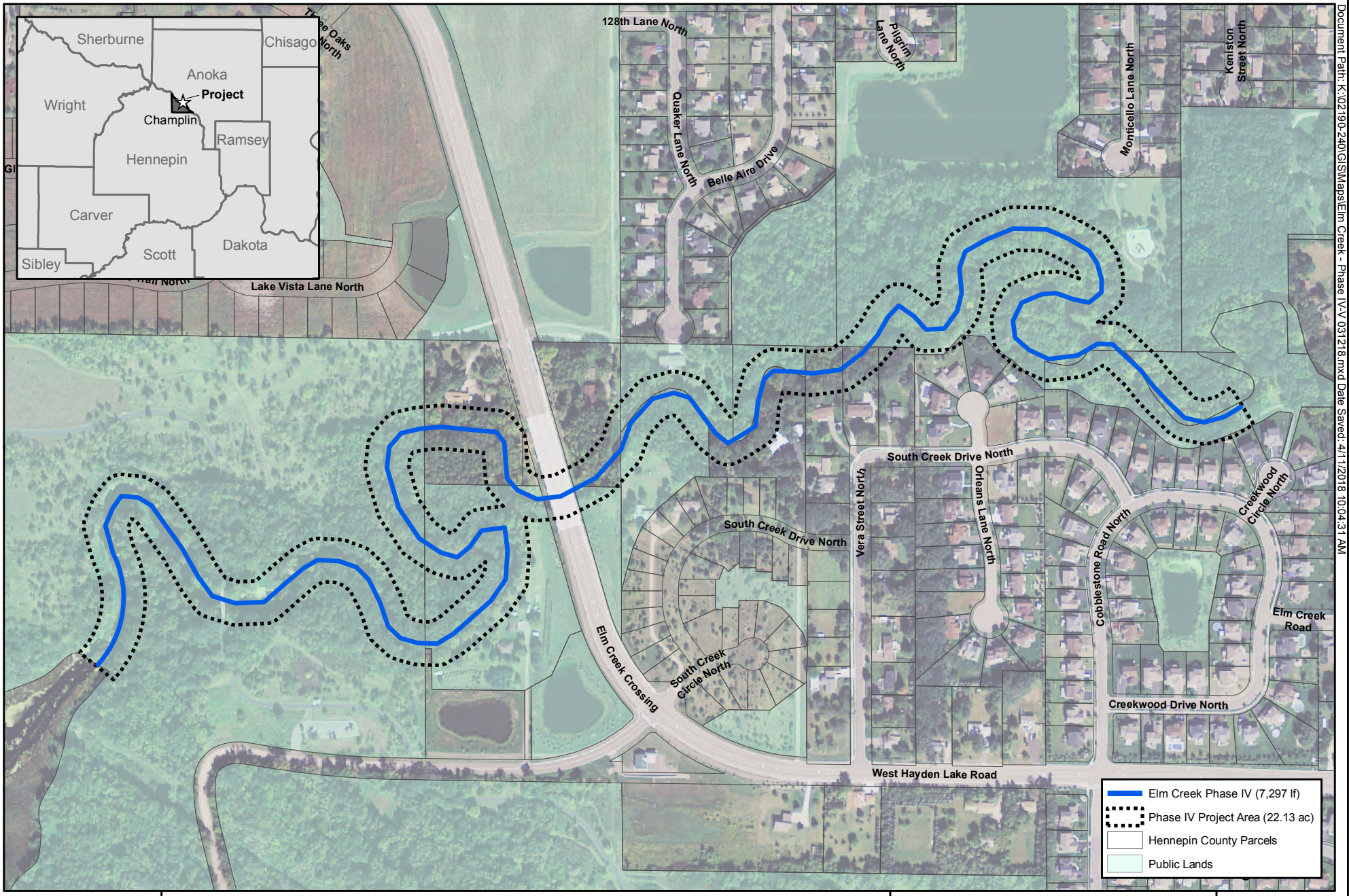
Project Title: Elm Creek Restoration Phase IV Final

IV. TOTAL ENRTF REQUEST BUDGET 1.5 years

BUDGET ITEM (See "Guidance on Allowable Expenses")	**AMOUNT**
Personnel:	$ -
Professional/Technical/Service Contracts: Professional services contract will include engineering,surveying, permitting and construction supervision and inspection services this will require an RFQ for the project. This includes the following estimate cost of services;	$ 125,100
Construction Service Contract: Construction services contract will include stream bank grading/topdressing/installation, seeding, erosion control installation, habitat structure construction and installation which will require an RFP for the project. This includes the following cost of services:	$ 407,900
Equipment/Tools/Supplies: Construction Materials and erosion control materials that include Rock Riprap, Overburden, Wood Materials for Habitat Structures, Native Seed Mix, Native Plugs, Hydro-Mulch Erosion Blanket, ect.	$ 325,650
Acquisition (Fee Title or Permanent Easements):	$ -
Travel:	$ -
Additional Budget Items:	$ -
TOTAL ENVIRONMENT AND NATURAL RESOURCES TRUST FUND $ REQUEST =	$ 858,650

V. OTHER FUNDS *(This entire section must be filled out. Do not delete rows. Indicate "N/A" if row is not applicable.)*

SOURCE OF FUNDS	**AMOUNT**	**Status**
Other Non-State $ To Be Applied To Project During Project Period: City of Champlin and Elm Creek Watershed:$175,215.00	$ 175,215	*Secured*
Other State $ To Be Applied To Project During Project Period:	n/a	*n/a*
In-kind Services To Be Applied To Project During Project Period: City of Champlin	$ 45,000	*Secured*
Past and Current ENRTF Appropriation:	n/a	n/a
Other Funding History:	n/a	*n/a*



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City of Champlin

Elm Creek Stream Restoration

Phase IV

City of Champlin, Minnesota

05/09/2018

ENRTF ID: 221-F

Elm Creek Phase IV Final Restoration Project

CITY OF CHAMPLIN
REFERENCES AND QUALIFICATIONS

Mr. Todd Tuominen, Assistant City Engineer for the City of Champlin, will be the Project Manager for the **Elm Creek Phase IV Final 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 and the Phase I Elm Creek stream restoration, down-stream of the proposed Phase IV Final 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 these projects involved multiagency 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 Final 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 improvements 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 a AA+ Bond Rating and has numerous awards in Financial Planning. The City has extensive experience as the lead agency for multiagency project. 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 Restoration Project Phase II, and Elm Creek Phase III. It is anticipated that the City will coordinate all aspects of the Elm Creek Phase IV Final Stream Restoration Project, including financial management, construction, and maintenance to successfully complete all required tasks and regulatory requirements.