Environment and Natural Resources Trust Fund

2021 Request for Proposal

General Information

Proposal ID: 2021-377

Proposal Title: Elm Creek Habitat Restoration Final Phase

Project Manager Information

Name: Todd Tuominen

Organization: City of Champlin

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Email: ttuominen@ci.champlin.mn.us

Project Basic Information

Project Summary: Phase V is the Final Phase of the Elm Creek Habitat and Restoration that includes 3,800 linear feet of stream bank restoration of Elm Creek

Funds Requested: $613,000

Proposed Project Completion: 2022-06-30

LCCMR Funding Category: Methods to Protect, Restore, and Enhance Land, Water, and Habitat (F)

Project Location

What is the best scale for describing where your work will take place?

Region(s): Metro

What is the best scale to describe the area impacted by your work?

Region(s): Metro

When will the work impact occur?

During the Project

Narrative

Describe the opportunity or problem your proposal seeks to address. Include any relevant background information.

Elm Creek Stream Restoration is the 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. Elm Creek is an impaired water with low dissolved oxygen.

What is your proposed solution to the problem or opportunity discussed above? i.e. What are you seeking funding to do? You will be asked to expand on this in Activities and Milestones.

Phase V is the final phase of the Elm Creek habitat restoration project. This project includes 3,800 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 floodplain restoration, root wads, boulder vanes, toewood, boulder clusters, rock weir and improved 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.

What are the specific project outcomes as they relate to the public purpose of protection, conservation, preservation, and enhancement of the state's natural resources?

The Project Outcomes include the following:
Final Design, Engineering, Permitting and Construction Supervision/ Description: This activity includes engineering, design, permitting, supervision of construction, permit compliance inspections, and survey (post construction),
1. Engineering/Construction Plans and Bid Specifications
2. Permit Requirements: MPCA, MNDNR, USCOE, SWCD, City and County
3. Construction Supervision: Permit Compliance Inspection and Construction Supervision
4. Post Construction Stream Survey and Project Summary Report

Outcome Habitat Restoration and Construction
5. Streambank Restoration construction, development of instream habitat features, seeding and native buffers
6. Construction Materials, native seed, and erosion control

Activities and Milestones

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

Activity Budget: $124,000

Activity Description:
Final Design, Engineering, Permitting and Construction Supervision
Description: This activity includes engineering, design, permitting, supervision of construction, permit compliance inspections, and survey (post construction),
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 V 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.

Activity Milestones:

Description	Completion Date
The project design permitting and inspection are required for project	2022-06-30

Activity 2: Elm Creek Habitat Restoration including Stream Bank restoration, development of instream habitat features, seeding native buffers

Activity Budget: $489,000

Activity Description:
Phases V is the final phase of the Elm Creek habitat restoration project. This project includes 3,800 linear feet of stream bank restoration of Elm Creek which is located upgradient of the Mill ponds. The proposed construction will improve impaired water with low dissolved oxygen, restoring the stream banks and providing habitat structure. This work will include the restoration, root wads, boulder vanes, toewood, boulder clusters, rock weir and improved 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..

Activity Milestones:

Description	Completion Date
Construction of Elm Creek stream habitat restoration and native buffer restoration	2022-06-30

Long-Term Implementation and Funding

Describe how the results will be implemented and how any ongoing effort will be funded. If not already addressed as part of the project, how will findings, results, and products developed be implemented after project completion? If additional work is needed, how will this be funded?

Long term goals 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 increase in wildlife, amphibian and fish populations are gains which are sustainable long-term through natural reproduction. The improvements described above will be incorporated in Phase V and may require future funding request for restoration of Hayden Lake. A long-term monitoring/maintenance plan will be implemented to assure all constructed habitat restoration measures are adequately functioning.as designed.

Other ENRTF Appropriations Awarded in the Last Six Years

Name	Appropriation	Amount Awarded
Champlin Mill Pond Shoreland Restoration	M.L. 2016, Chp. 186, Sec. 2, Subd. 08i	$2,000,000

Project Manager and Organization Qualifications

Project Manager Name: Todd Tuominen

Job Title: Assistant City Engineer

Provide description of the project manager's qualifications to manage the proposed project.

Elm Creek Final Phase Restoration Projec
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 V 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 stream restoration Phases I - Phase IV, down-stream of the proposed Phase V 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 V 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.

Organization: City of Champlin

Organization Description:

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 and environmental needs for the Elm Creek Dam Replacement, Elm Creek Phase I, 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 &V Restoration Project, including financial management, construction, and maintenance to successfully complete all required tasks and regulatory requirements.

Budget Summary

Category / Name	Subcategory or Type	Description	Purpose	Gen. Ineligible	% Benefits	# FTE	Classified Staff?	$ Amount
Personnel								
							Sub Total	**-**
Contracts and Services								
Engineering Design Permitting Inspection	Professional or Technical Service Contract	Engineering Design will be required to design the stream restoration project, along with professional services to survey and provide inspection. Provide required permit documentation and Permit Compliance				0		$124,000
Construction contract	Professional or Technical Service Contract	Construction Contract for Elm Creek Restoration				0		$168,000
							Sub Total	**$292,000**
Equipment, Tools, and Supplies								
	Tools and Supplies	Materials and tools to complete stream restoration	Required for construction					$321,000
							Sub Total	**$321,000**
Capital Expenditures								
							Sub Total	**-**
Acquisitions and Stewardship								
							Sub Total	**-**
Travel In Minnesota								
							Sub Total	**-**

Travel Outside Minnesota								
							Sub Total	**-**
Printing and Publication								
							Sub Total	**-**
Other Expenses								
							Sub Total	**-**
							Grand Total	**$613,000**

Classified Staff or Generally Ineligible Expenses

Category/Name	Subcategory or Type	Description	Justification Ineligible Expense or Classified Staff Request

Non ENRTF Funds

Category	Specific Source	Use	Status	Amount
State				
			State Sub Total	**-**
Non-State				
			Non State Sub Total	**-**
			Funds Total	**-**

Attachments

Required Attachments

Visual Component

File: aa683617-d5f.pdf

Alternate Text for Visual Component

Area Map

Board Resolution or Letter

Title	File
City Funding Request	e76ae657-782.pdf

Administrative Use

Does your project include restoration or acquisition of land rights?

No

Does your project have patent, royalties, or revenue potential?

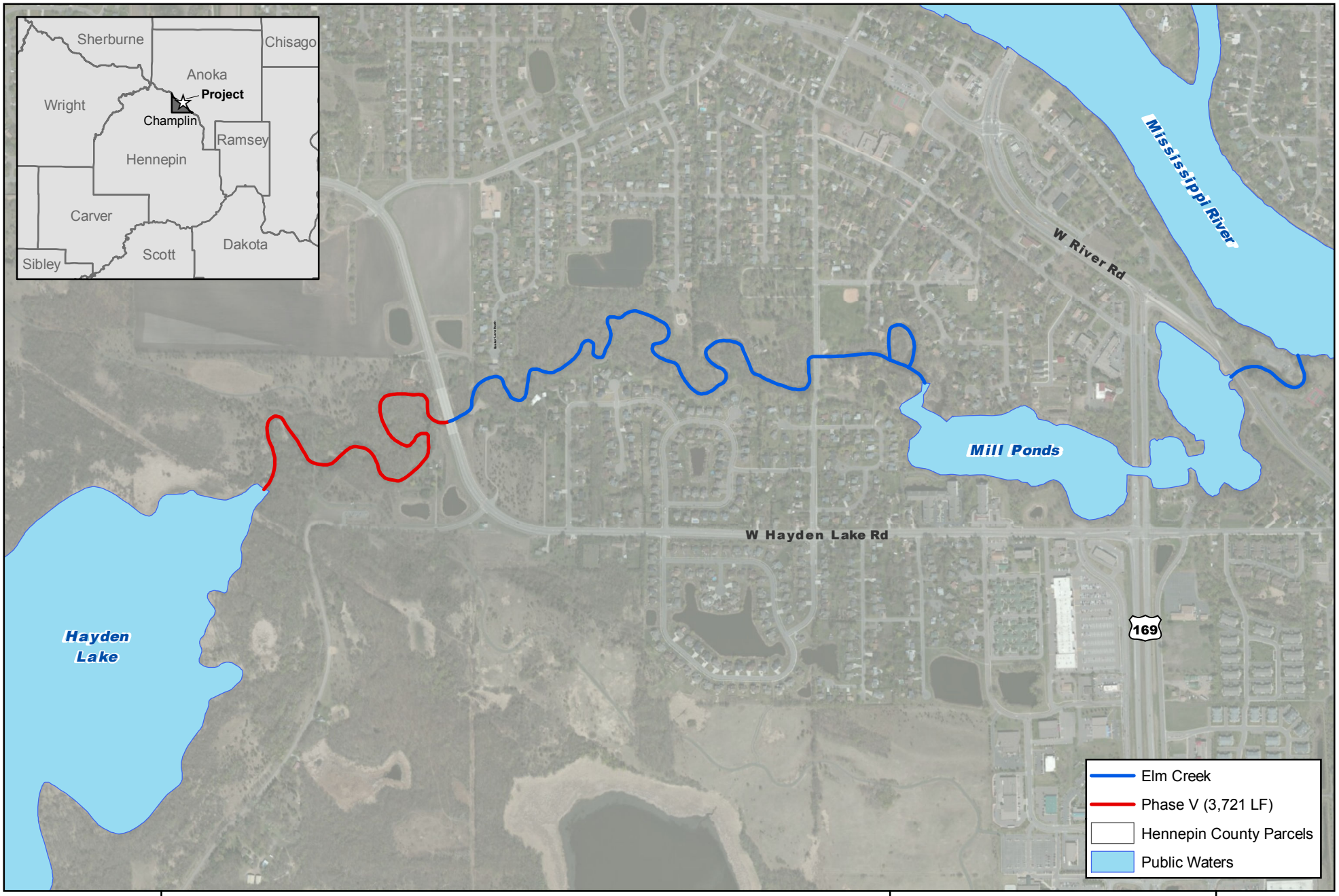
No

Does your project include research?

No

Does the organization have a fiscal agent for this project?

No



City of Champlin

Elm Creek Stream Restoration

Phase V Restoration

City of Champlin, Minnesota

N

0 1,000 Feet

1 inch = 1,000 feet