Environment and Natural Resources Trust Fund (ENRTF)

M.L. 2020 ENRTF Work Plan (Main Document)

Today's Date: February 17,2020

Date of Next Status Update Report: April 1, 2021

Date of Work Plan Approval:

Project Completion Date: June 30, 2022

Does this submission include an amendment request? __

PROJECT TITLE: Elm Creek Habitat Restoration- Phase IV

Project Manager: Todd Tuominen

Organization: City of Champlin

College, Department, or Division:

Mailing Address: 11955 Champlin Drive

City, State, Zip Code: Champlin, MN 55316

Project Manager Direct Telephone Number: 763-923-7120

Email Address: ttuominen@ci.champlin.mn.us

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

Location: Central: City of Champlin and Elm Creek Watershed

Total Project Budget: $500,000

Amount Spent: $0

Balance: $500,000

Legal Citation: M.L. 2020, Chp. xx, Sec. xx, Subd. xx

Appropriation Language:

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 West Mississippi Watershed. The Elm Creek Habitat Restoration Project is divided into six phases, the first three of which have already been funded.

- Phase 1 included replacement of the existing Mill Pond dam in May of 2016 and the 2012 Elm Creek Restoration.
- 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 was a fully funded project and was completed in June of 2019..
- Phase 3 included 3,700 linear feet of stream bank restoration of Elm Creek, fully funded with construction completion in August of 2019.

Phase 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. OVERALL PROJECT STATUS UPDATES:

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Final Report between project end (June 30) and August 15, 2022

III. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1: *Final Design, Engineering, Permitting and Construction Supervision*
Description:
This activity includes engineering, design, permitting,,),

ACTIVITY 1 ENRTF BUDGET: $104,700.00

Outcome	Completion Date
1. Engineering/Construction Plans and Bid Specifications	October 2020
2. Permit Requirements: MPCA, MNDNR, USCOE, ECWMC, City and County	October 2020

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Final Report between project end (June 30) and August 15, 2022

ACTIVITY 2: *Phase IV Elm Creek Habitat Restoration and Construction.*
Description:
This activity includesProject Restoration Construction, , supervision of construction, permit compliance inspections, and survey (post construction),

ACTIVITY 2 ENRTF BUDGET: $395,500.00

	Completion Date
1. Streambank Restoration construction, development of instream habitat features, seeding and native buffers.	March 2021
2. Construction materials, native seed and erosion control	March 2021
3. Construction Supervision: Permit Compliance Inspection and Construction Supervision	March 2021
4. Post Construction Stream Survey and Project Summary Report	May 2022

First Update April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Final Report between project end (June 30) and August 15, 2022

IV. DISSEMINATION:

Description:

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 April 1, 2021

Second Update October 1, 2021

Third Update April 1, 2022

Final Report between project end (June 30) and August 15, 2022

V. ADDITIONAL BUDGET INFORMATION:

A. Personnel and Capital Expenditures

Explanation of Capital Expenditures Greater Than $5,000: N/A

Explanation of Use of Classified Staff:

Total Number of Full-time Equivalents (FTE) Directly Funded with this ENRTF Appropriation:

Enter Total Estimated Personnel Hours for entire duration of project: 0	Divide total personnel hours by 2,080 hours in 1 yr = TOTAL FTE: 0

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

Enter Total Estimated Contract Personnel Hours for entire duration of project: 2,009	Divide total contract hours 2009 by 3120 hours in 1.5 yr = TOTAL FTE: 0.644

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

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, ECWMC, 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.

VII. 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 1.0 year. Phase IV which we are requesting funding timeline requirements is approximately 1.5 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. A long-term monitoring/maintenance plan will be implemented to assure all constructed habitat restoration measures are adequately functioning as designed for the project.

VIII. REPORTING REQUIREMENTS:

- Project status update reports will be submitted April 1 and October 1 each year of the project
- A final report and associated products will be submitted between June 30 and August 15, 2022

IX. SEE ADDITIONAL WORK PLAN COMPONENTS:

A. Budget Spreadsheet

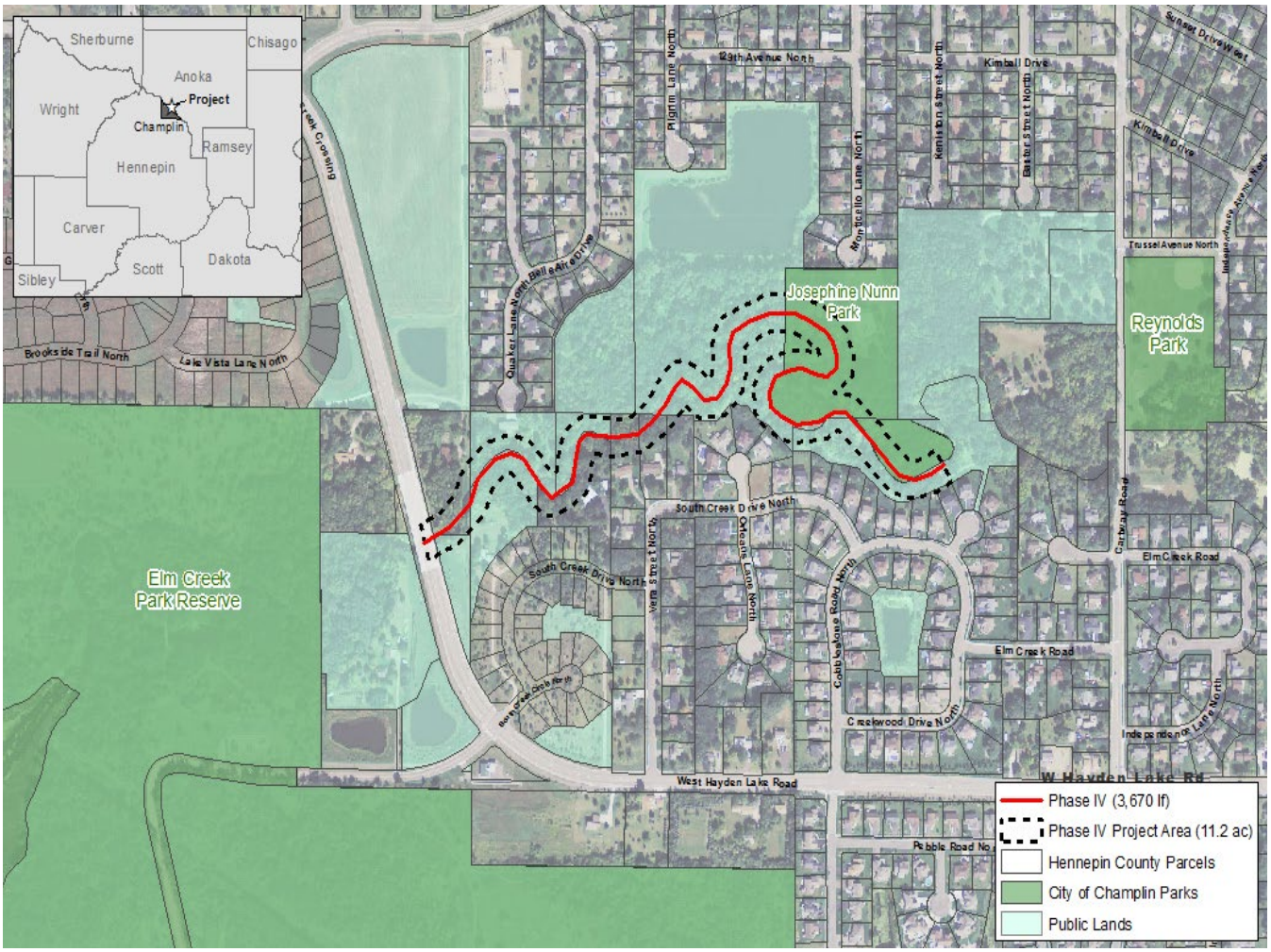
B. Visual Component or Map

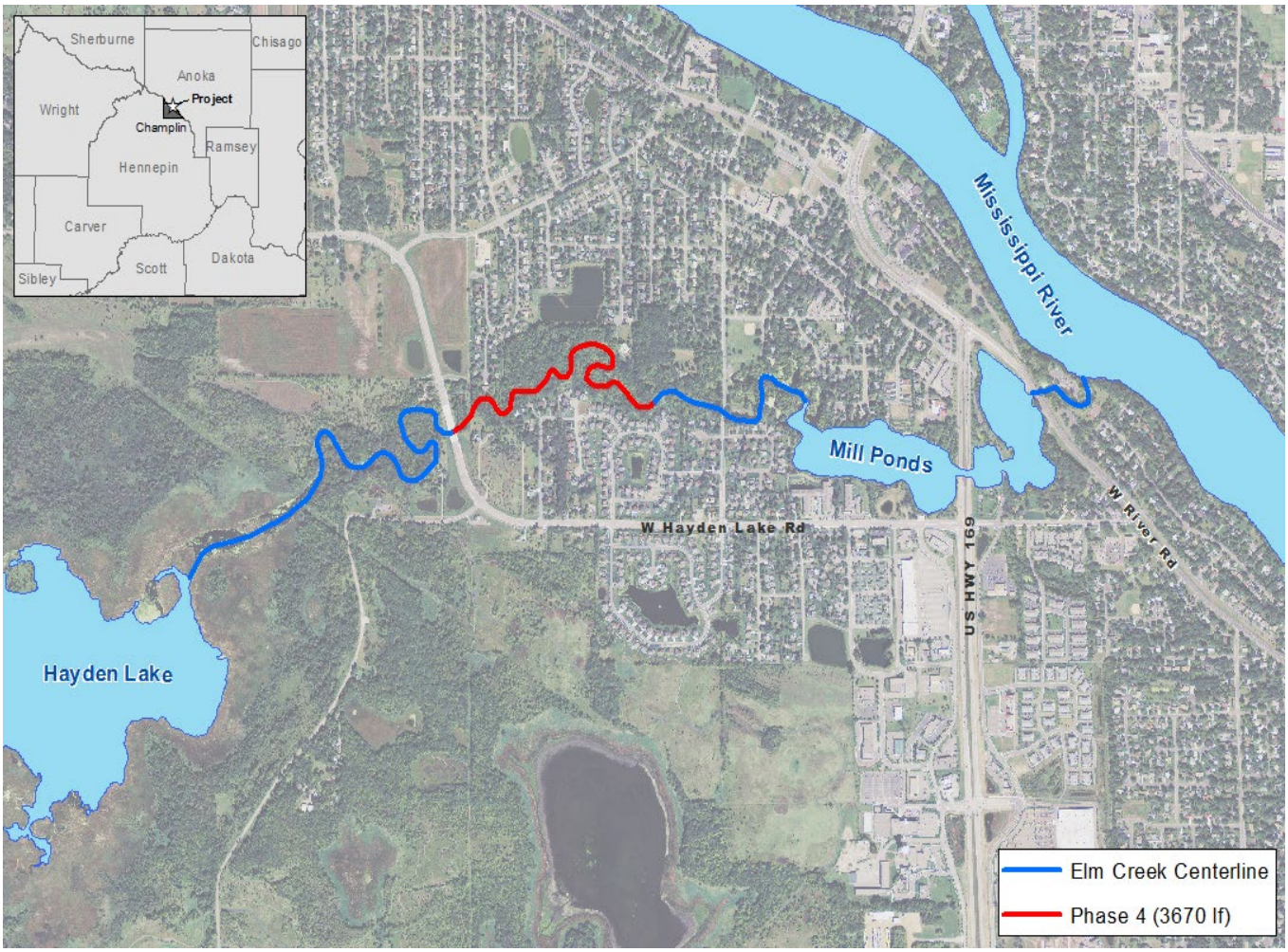
Attachment A: Project Budget Spreadsheet
Environment and Natural Resources Trust Fund
M.L. 2020 Budget Spreadsheet
Legal Citation:
Project Manager: Todd Tuominen
Project Title: Elm Creek Habitat Restoration Phase IV
Organization: City of Champlin
Project Budget: $500,000.00
Project Length and Completion Date: 2 years, June 30, 2022
Today's Date: 2-17-20

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, design and permitting services; permit compliance inspections, and post-construction survey. Champlin utilizes WSB as the in house City Engineering consultant that is asigned to this project. This will provide familiarity and design efficiency and inspection for the project.	$ 104,700	$ -	$ 104,700
Contract with Construction Company TBD to complete construction services. The City will advertise and solicit as required by MN State statute. The lowest responsible bidder will be selected for the project and required appoved by the Champlin City Council.	$ 96,200		$ 96,200
Equipment/Tools/Supplies			
Construction Materials such as Instream: riffle materials, wood toe, wood structure, rock deflectors, boulder vanes, gravel substrate and stream/ common excavation and restoration. Native;shrubs,grasses,forbs, erosion blanket and edge protection.	$ 299,100	$ -	$ 299,100
Capital Expenditures Over $5,000			
	$ -	$ -	$ -
Fee Title Acquisition			
	$ -	$ -	$ -
Easement Acquisition			
	$ -	$ -	$ -
Professional Services for Acquisition			
	$ -	$ -	$ -
Printing			
	$ -	$ -	$ -
Travel expenses in Minnesota			
	$ -	$ -	$ -
Other			
	$ -	$ -	$ -
COLUMN TOTAL	$ 500,000	$ -	$ 500,000

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	secured	$ 150,000	$ -	$ 150,000
State: BWSR (Watershed Based Pilot Program) Grant	secured	$ 134,486	$ -	$ 134,486
In kind: City of Champlin	secured	$ 55,000	$ -	$ 55,000

Other ENRTF APPROPRIATIONS AWARDED IN THE LAST SIX YEARS	Amount legally obligated but not yet spent	Budget	Spent	Balance
Champlin Mill Pond Shoreland Restoration M.L. 2016, Chp. 186, Sec. 2, Subd. 08i		$ 2,000,000	$ 2,000,000	$ -


Sherburne
Chisago
Anoka
Project
Wright
Champlin
Ramsey
Hennepin
Carver
Scott
Dakota
Sibley
Josephine Nunn Park
Reynolds Park
Elm Creek Park Reserve
Brookside Trail North
Lake Vista Lane North
Quaker Lane North
Bell Air Drive
Pilgrim Lane North
129th Avenue North
Monticello Lane North
Kimball Drive
Sunset Drive West
Trussel Avenue North
South Creek Drive North
Vera Street North
Orleans Lane North
Cobblestone Road North
Carraway Road
Elm Creek Road
Creekwood Drive North
Independence Lane North
West Hayden Lake Road
Phase IV (3,670 lf)
Phase IV Project Area (11.2 ac)
Hennepin County Parcels
City of Champlin Parks
Public Lands


Sherburne
Chisago
Anoka
Project
Wright
Champlin
Ramsey
Hennepin
Carver
Scott
Dakota
Sibley
Mississippi River
Mill Ponds
W Hayden Lake Rd
W River Rd
US HWY 169
Hayden Lake
Elm Creek Centerline
Phase 4 (3670 lf)