

PROJECT REQUEST FORM
Lower St. Croix Partnership – Watershed Based Implementation Funding

To: LSCP Steering Committee
Date: April 6, 2023
From: Washington Conservation District
Subject: WBIF Project Request: A3 Non-Structural Ag/Urban BMP Implementation: **City of Afton**
 Enhanced Street Sweeping Implementation.

Table of Acronyms

CWMP: Comprehensive Watershed Management Plan	LSC: Lower St. Croix
SWCD: Soil & Water Conservation District	WD: Watershed District
WBIF: Watershed Based Implementation Funding	WMO: Watershed Management Organization

Eligible Project Sponsors

A sponsoring agency is required for each submitted project. The sponsor fills out this request. That agency must be a party to the Joint Powers Agreement for the implementation of the Lower St. Croix Comprehensive Watershed Management Plan. The sponsor, if the project is selected for funding, will enter into a subcontract with the Chisago Soil and Water Conservation District (SWCD) for project funding.

Description of Project (brief paragraph)

Implementation of the enhanced street sweeping prioritization study for the City streets with direct drainage to Lake St Croix and Valley Creek (a designated trout stream) within the City of Afton. These areas are in wooded neighborhoods and the downtown area. All areas drain directly to receiving waters and are not adequately treated for stormwater.

The City of Afton will implement the enhanced street sweeping as recommended in the study entitled “City of Afton Enhanced Street Sweeping Analysis” and approved by the LSC SC on March 22, 2023. The City of Afton plans to expand their current sweeping to include an additional 17.86 curb miles of sweepings twice a year (April/May plus October/November) in high and medium priority areas. This will result in an increase of 35.72 curb miles per year.

The WCD will execute a contract with the City of Afton to complete the additional 35.72 curb miles per year. Annually for three years the City of Afton will provide the WCD with: sweeping documentation including dates of sweeping and an estimate of phosphorus recovery by the sweeper using daily weights per the LSCP street sweeping policy (\$125/curb mile).

Benefitted Waterbody Information (add rows for additional waterbodies if necessary)

Target waterbody	Lake St Croix and Valley Creek
Waterbody area (acres)	
Watershed area (acres)	
DNR shoreline classification	
Description of the watershed and near-shore land uses	
Impairment status	Impaired
Protection or restoration	Both

PROJECT REQUEST FORM

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Project Details

Project Name	City of Afton Enhanced Street Sweeping
Project Sponsor	WCD
Additional Project Partner(s) (other than sponsor)	City of Afton, VBWD
Project Location (lat/long, address, or description)	City of Afton, Washington County
DNR Level 8 Subwatershed	3707100, 3706400, 3706700
Applicable WBIF Work Plan Activity	2023 A3 Non-Structural Urban BMP Implementation
Funding Specifically Allocated to this Project in Work Plan (if applicable)	Provide cost-share/incentives for implementing non-structural URBAN best management practices, specifically enhanced street sweeping. Projects to be chosen through targeting and prioritization process described in Section VII.B and Appendix C of CWMP. Specific enhanced street sweeping targeting analyses will be performed for priority areas.
Estimated Construction Timeline	2023-2025
Total Project Cost	\$4,465/yr
Estimated Lifetime Project Cost (incl. O&M)	\$4,465/yr * 3 yrs = \$13,395
Requested Grant Funding	\$13,395
Match provided, match source (cannot be state funds)	\$0.00
Target Waterbody (from CWMP Table 5-2, 5-3, 5-4)	Table 5.2: Lake St Croix and Valley Creek
Est. Phosphorus Load Reduction @ Target Waterbody	54 lb/yr estimated
Est. TSS Load Reduction @ Target Waterbody	
Calculation Tool Used	Kalinosky et al. Planning Calculator Tool for Estimating Nutrient and Solids Recovery through Street Sweeping, 2014
Project Lifespan	3 yrs
Lifetime Cost-Benefit (\$/lb phosphorus removed)	~ \$83/lb P

Pre-Project Identification

Total phosphorus load entering target waterbody	See above
Total suspended solids load entering target waterbody	See above
Major sources of nutrient loading	Nonpoint runoff
P reduction required to achieve water quality goal	St. Croix TMLD. Small streams: 645 lb
Completed projects, load reduction	See above
Alternative projects, load reduction	See above

List of Informational Attachments/Templates Included With Form:

1. WBIF Project Request Process Flow Chart
2. CWMP Priority Waterbody Maps
3. CWMP Appendix C – Project Targeting Criteria and Scoring Matrix (for [Activities 2, 4, 5, 9](#))
4. Wetland Restoration Scoring Matrix (for [Activity 6](#))
5. Internal Analysis Request for Funding (for [Activity 7](#); filled out by applicant)
6. Internal Analysis Selection Criteria (for [Activity 7](#); filled out by subcommittee)
7. Targeting Analysis Scoring Matrix (for [Activity 8](#))

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Required Attachments for Requesting Partner to Complete (check all that apply):

- Project Plans/Visual/Map (for all requests)
- Completed Appendix C Project Scoring Matrix (for [Activities 2, 4, 5, 9](#))
- Completed Wetland Restoration Scoring Matrix (for [Activity 6](#))
- Completed Internal Analysis Request for Funding (for [Activity 7](#))
- Completed Internal Analysis Selection Criteria (for [Activity 7](#))
- Completed Targeting Analysis Scoring Matrix (for [Activity 8](#))

WBIF Work Plan Activity Color Coding
Implementation - BMPs/Restoration Activities
Implementation - Shared Services
Prioritization & Analysis
Administration

Submit this form and attachments to Becca Oldenburg at (boldenburg@mnwcd.org) one week prior to the Steering Committee meeting.

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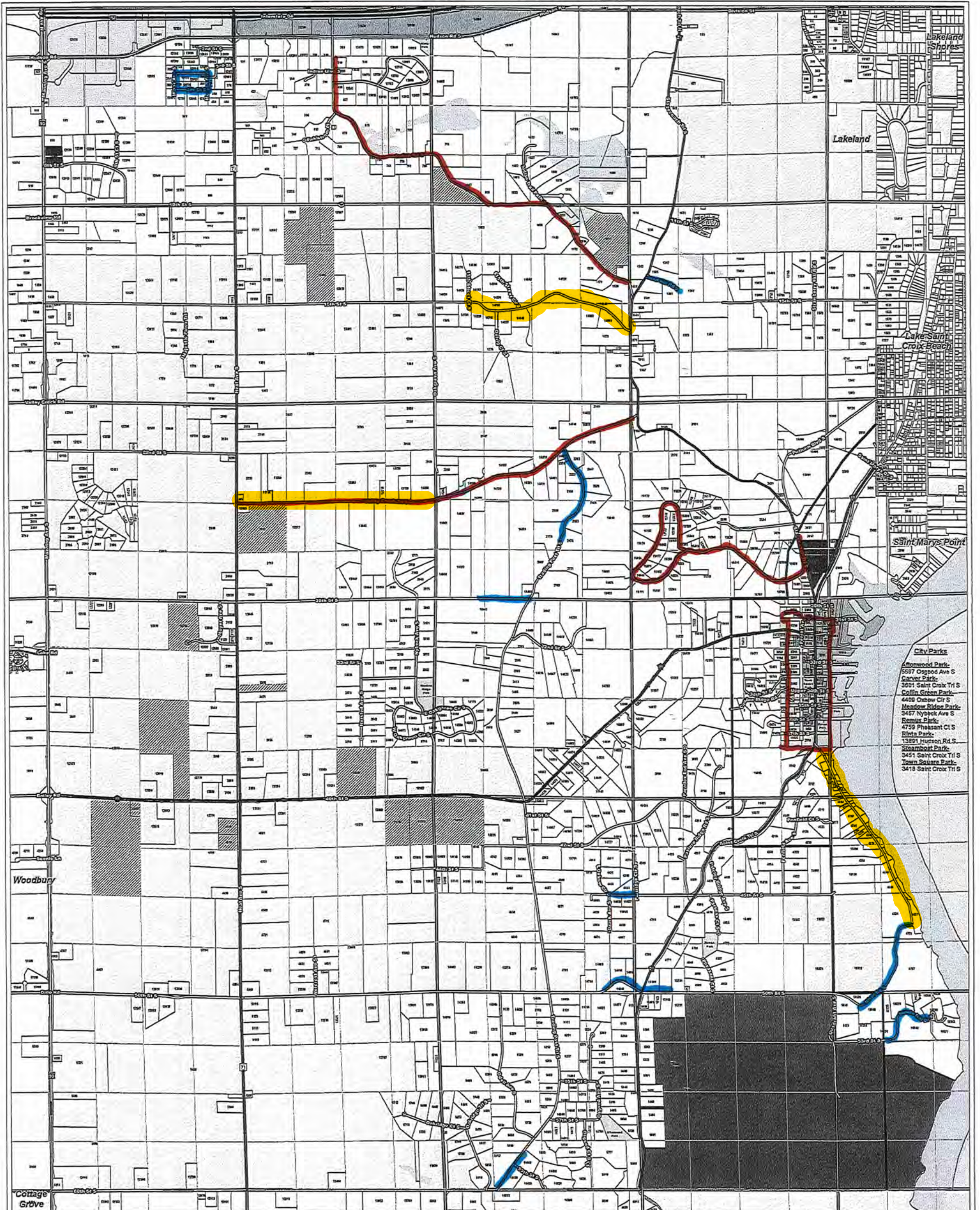
Steering Committee Roll Call Vote

Steering Committee roll call vote to recommend [Project Sponsor] project for Lower St. Croix Watershed Based Implementation Funding in the amount of \$_____ for the [Project Name].

Organization	Aye	Nay	Absent
Anoka SWCD			
Brown's Creek WD			
Carnelian Marine St Croix WD			
Chisago County			
Chisago Lakes LID			
Chisago SWCD			
Comfort Lake Forest Lake WD			
Isanti County			
Isanti SWCD			
Middle St. Croix WMO			
Pine County			
Pine SWCD			
South Washington WD			
Sunrise River JP WMO			
Valley Branch WD			
Washington CD			
Washington County			
TOTAL (need majority vote to pass)			

Current Sweeping Spring and Fall

Added Sweeping with Enhanced Street Sweeping



- Afterwood Park: 5697 Osgood Ave S
- Carver Park: 3601 Saint Croix Trl S
- Collin Gibson Park: 4409 Chewow Cir S
- Meadow Ridge Park: 3457 Nybbet Ave S
- Rennin Park: 4759 Pleasant Ct S
- Santa Park: 13801 Hudson Rd S
- Steamboat Park: 3451 Saint Croix Trl S
- Town Square Park: 3418 Saint Croix Trl S



Legend

- Interstate Highway
- State Highway
- County Road
- Local Road
- Bluff Land Area
- City Boundary
- Parcel Boundary
- Section Line
- Quarter Quarter Section Line
- Lakes & Rivers
- Zoning District
- Agriculture
- Ag Preserve
- Village Historic Site - Commercial
- Village Historic Site - Residential
- Industrial-1-A
- Industrial-1-B
- Industrial-1-C
- Rural Residential
- City Park
- State Park
- Marina Services



0 725 Feet



City of Afton