



Grant Progress Report

Watershed Based Implementation 2025

Grant Title: Enhanced Sweeping in Priority Zones in Coon Rapids

Grant Award (\$): \$76,734.00

Grant Execution Date: 05/20/2025

Grant ID: C25-0325

Required Match (%): 10

Grant End Date: 12/31/2027

Grantee: Coon Rapids, City of

Required Match (\$): \$7,673.40

Fiscal Agent: Coon Rapids, City of

Grant Day-to-Day Contact: Olivia Dorow Hovland

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$76,734.00	\$43,541.25	\$33,192.75
Match Funds	\$50,000.00	\$29,475.00	\$20,525.00
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$126,734.00	\$73,016.25	\$53,717.75

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Project Abstract	<p>In accordance with recommendations of the 2023 CCWD Enhanced Sweeping study, the City of Coon Rapids will conduct additional street sweeping in priority areas to maximize water quality benefits. This will entail additional sweeping effort (7 sweeps per year) in zones w/ high tree canopy and direct connection to impaired waters compared to the existing sweeping frequency (5 sweeps per year) in lower priority zones for a total of approximately 323 additional lane mile swept in 2025, 2026, and 2027. Coon Rapids will also purchase a portable trommel screener (\$75,000) which is necessary to process the additional sweepings collected to maintain adequate stockpile space and keep disposal costs from increasing. It is Coon Rapids intent to conduct this enhanced sweeping by hiring a sweeping contractor to sweep the additional lane miles, but will perform all of the sweepings management (hauling, screening, disposal) in-house (in-kind). \$50,000 cash match will be provided by City of Coon Rapids to fund 2/3 of the cost of the trommel screener.</p>
Proposed Measurable Outcomes	<p>It is estimated that an additional 99 pounds of TP per year will be removed from the following impaired receiving waters: Coon</p>

Creek (77 lbs), Sand Creek (20 lbs), Pleasure Creek (1 lb), and Springbrook Cr (1 lb).

Budget Details

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Purchase of a Trommel Screener	Supplies/Equipment	Local Fund	LGU levy	\$50,000.00	\$29,475.00	\$20,525.00	Y
Enhanced Street Sweeping	Non-Structural Management Practices	Current State Grant	C25-0325 WBIF CCWD WPA	\$51,734.00	\$18,541.25	\$33,192.75	N
Purchase of a Trommel Screener	Supplies/Equipment	Current State Grant	C25-0325 WBIF CCWD WPA	\$25,000.00	\$25,000.00	\$0.00	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Sediment (Tss)	1	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	98	Lbs/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	99	Lbs/Yr

Grant Activities

Activity Name: Administration & Coordination

Activity Category: Administration/Coordination

Staff time?: No

Description: This activity includes project coordination, financial tracking, and all required grant reporting. This activity will be carried out by LGU staff (in-kind). Specifically, Josh Peterson, Coon Rapids Streets Superintendent, will be responsible sweeping contracting and equipment purchase. Olivia Dorow Hovland, Coon Rapids Sustainability Planner, will be responsible for financial tracking and grant reporting with assistance from Justine Dauphinais, CCWD Water Quality Coordinator.

Key Milestones:

- Annual grant progress report submitted in eLink by Feb 2/1/26
- Annual grant progress report submitted in eLink by Feb 2/1/27
- Final report submitted in eLink by 12/31/27

Actual Results

<u>Results</u>	<u>Date Added</u>
CCWD staff, Justine Dauphinais, continued to coordinate with Coon Rapids Staff to document expenditures and water quality benefits and fulfill all reporting requirements. Coon Rapids and CCWD staff were interviewed for a press release and North Metro TV spotlight to highlight the new enhanced sweeping program.	12/31/2025 12:00:00 AM

Activity Name: Enhanced Street Sweeping

Activity Category: Non-Structural Management Practices

Staff time?: No

Description: Hiring a sweeping contractor to increase sweeping effort in priority sweeping zones by approximately 323 additional lane miles per year in 2025, 2026, and 2027. It is estimated that this will require an additional 130 hours of contracted sweeping at an estimated cost of \$125 dollars per hour (with a 6% annual increase in rates per year). Staff time and other operational costs for materials management will be provided by City of Coon Rapids (in-kind).

Enhanced sweeping will be implemented in accordance with the "One Additional Sweeper" scenario outlined in the 2023 CCWD Enhanced Sweeping Study (see attached map and table). The City of Coon Rapids currently sweeps all City streets 5 times per year and will instead increase effort in priority zones to 7 times per year. The City of Coon Rapids already relies on contracted sweeping to fulfill a portion of their Citywide sweeping demand and will contract additional hours in 2025-27 to fulfill this additional demand. City staff will continue to keep records of lane miles swept and will also track volumes of sweepings recovered to verify load reduction estimates to impaired streams using the MPCA Sweeping Crediting Calculator.

This activity will be led by Josh Peterson, Coon Rapids Streets Superintendent.

Key Milestones:

- Include additional 130 hours of contract sweeping in annual sweeping contract by 7/31/25
- Tabulate yearend records of miles swept and volumes of sweepings collected by 12/31/25
- Include additional 130 hours of contract sweeping in annual sweeping contract by 7/31/26
- Tabulate yearend records of miles swept and volumes of sweepings collected by 12/31/26
- Include additional 130 hours of contract sweeping in annual sweeping contract by 7/31/27
- Tabulate yearend records of miles swept and volumes of sweepings collected by 12/31/27

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	C25-0325 WBIF CCWD WPA	\$51,734.00	\$18,541.25	\$33,192.75	10/30/2025	N

Actual Results

<u>Results</u>	<u>Date Added</u>
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City of Coon Rapids hired their 2025 sweeping contractor, Allied Blacktop Co, to sweep an additional 53 hours from 5/22-5/29 and 110 hours from 9/22-9/29 covering approximately 455 additional lane miles in priority watersheds with high tree canopy and connectivity to impaired receiving waters. This was in addition to routine citywide contracted sweeping in early spring and late fall and was also supplemented by in-house sweeping effort May-November (see attached summarized sweeping records for a breakdown of effort and pollutant removals).

The cubic yardage of sweepings collected from hopper dumps was recorded, totaling an additional 205,644 lbs of material for the enhanced sweeping alone. Using the MPCA street sweeping calculator and adjusting by lab measured mg P/kg of non-fall and fall sweepings, this equates to approximately 98 additional lbs of TP removed (consistent with modeled estimates from the CCWD Sweeping study "One Additional Sweeper" scenario used in this grant work plan = 99 lbs).

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	99	Lbs/Yr

Activity Action Name:	Enhanced Street Sweeping	Activity Count: 3
Practice Type:	516M: Enhanced Street Sweeping	Size/Units: 2402400 - Linear Feet
TA Provider/JAA:	Private Consultant	Lifespan: 1 Year
Practice Description:	Hiring a sweeping contractor to increase sweeping effort in priority sweeping zones by approximately 323 additional lane miles per year in 2025, 2026, and 2027. It is estimated that this will require an additional 130 hours of contracted sweeping each year.	Install Date: 09/30/2025
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	Springbrook Creek
Phosphorus (Est. Reduction)	Lbs/Yr	20	Literature Value	Sand Creek
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	Pleasure Creek
Phosphorus (Est. Reduction)	Lbs/Yr	77	Literature Value	Coon Creek

Activity Name: Purchase of a Trommel Screener

Activity Category: Supplies/Equipment

Staff time?: No

Description: Purchase of a portable trommel screener to be used to decrease the disposal costs associated with managing additional sweepings material and reduce the stockpile space required to store unscreened sweepings which are regulated as a solid waste. A trommel screener sorts out trash and debris from raw sweepings and can be used to separate organics and coarse particles to enable beneficial repurposing of these materials as compost or fill in select allowable applications. Use of a trommel screener will minimize the fraction of sweepings that needs to be hauled to a landfill. Currently, stockpile space and disposal costs are the largest barrier preventing City of Coon Rapids from implementing enhanced sweeping for water quality.

This activity will be led by Josh Peterson, Coon Rapids Streets Superintendent. The staff time required to operate the trommel screener will be covered by the City of Coon Rapids (in-kind).

Key Milestones:

-Purchase of Trommel Screener by 10/15/25

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	LGU levy	\$50,000.00	\$29,475.00	\$20,525.00	07/28/2025	Y
Current State Grant	C25-0325 WBIF CCWD WPA	\$25,000.00	\$25,000.00	\$0.00	07/28/2025	N

Actual Results

<u>Results</u>	<u>Date Added</u>
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A portable debris screener (FlipScreen Model WL130) was purchased from Trueman Welters Equipment on 7/28/25. This piece of equipment came in well under the planned budget given that the larger, more expensive model was not compatible with the existing loader that was available for Public Works staff to use for debris screening. The screener has been very effective at sorting out large debris and trash to be landfilled, allowing for re-use of screened material for below-ground fill in municipal maintenance projects.	12/31/2025 12:00:00 AM
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