

Project Proposal

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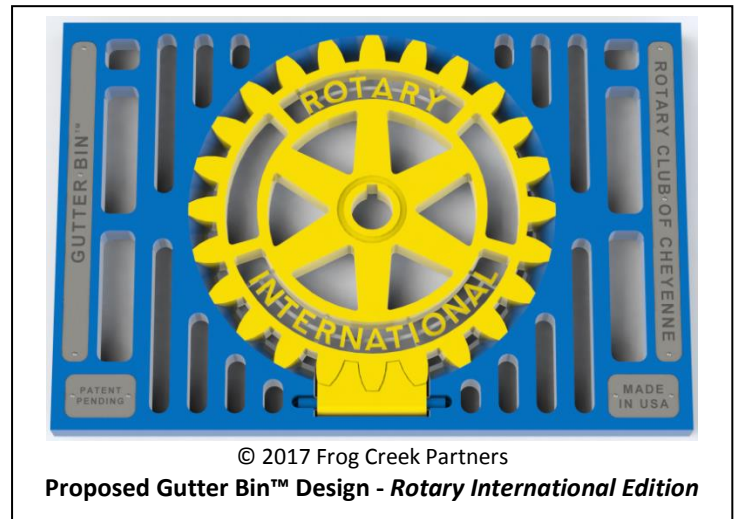


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Project Title: Rotary Club of Cheyenne Clean Water Proposal

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Introduction

Crow Creek is polluted and needs the help of Cheyenne's citizens. The Laramie County Conservation District (LCCD) and Frog Creek Partners are working together to build alliances and implement solutions to work towards the goal of solving this pollution problem. We seek a financial partnership with the Rotary Clubs of Cheyenne and a public/private partnership with the City of Cheyenne to achieve this worthy goal. We can revive Crow Creek together with the help of the patent pending **Rotary International Edition Gutter Bin™** stormwater filtration system.

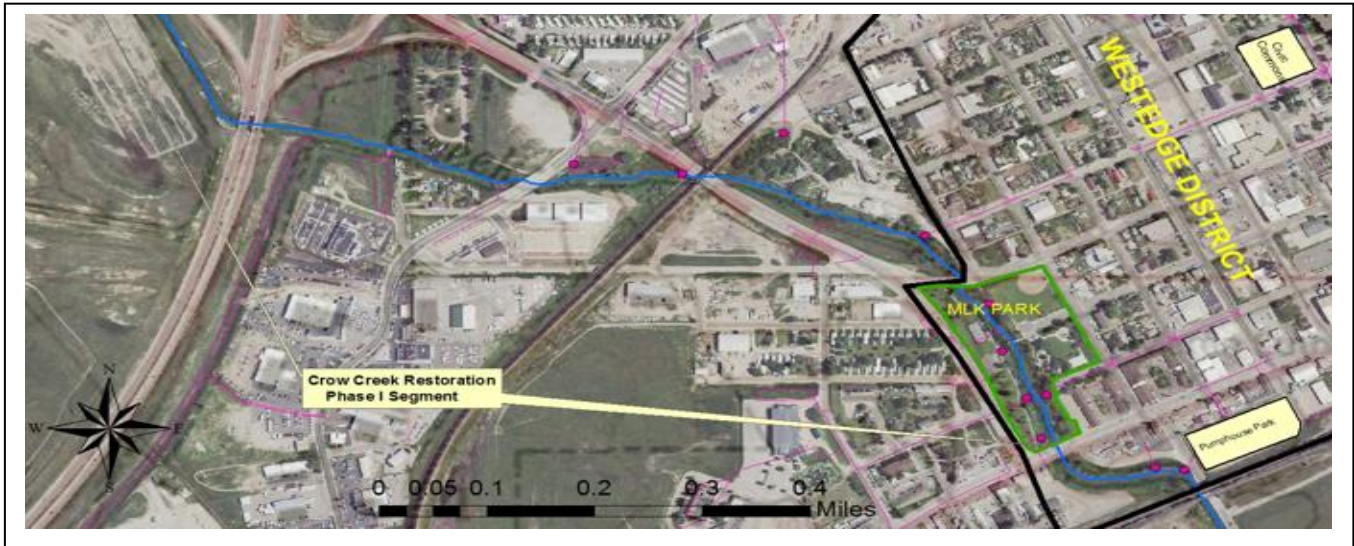
Crow Creek Revival Project

Crow Creek Revival (CCR) is a multi-partner committee, led by the LCCD, to promote, enhance, restore, and revitalize the ecological value and function of Crow Creek for public enjoyment and community health. Phase 1 of the three-phase restoration project includes the 1.2 stream miles between Missile Drive and Martin Luther King Park at 16th Street. This stretch of creek is adjacent to the downtown revitalization project known as West Edge. West Edge comprises a majority of the area south of 23rd Street and west of Central Avenue. CCR is not approaching their vision as just another stream restoration project, but a revival of the very resource Cheyenne was founded upon, Crow Creek.

The CCR committee will be addressing all impacts upon Crow Creek that would impede project success. One impact we face in the revival project is the influx of pollution from the streets of Cheyenne via the stormwater sewer system. Contrary to popular belief, stormwater is not filtered through a treatment plant before it discharges to Crow Creek. Because of this fact, a massive amount of sediment, organics, hydrocarbons, and trash are deposited into Crow Creek each time it rains or snow melts. There are at least nine stormwater

discharge points within the Phase I segment (see pink dots in map below). It is at these discharge points where stormwater and associated pollution dumps directly into Crow Creek after draining approximately 280 acres of Cheyenne's West Edge District.

Storm grates and catch basins are located at key locations in the gutters of our city streets to drain stormwater and snow melt. The grates perform rudimentary filtration of coarse pollutants. Some catch basins contain sumps



which temporarily collect heavy pollution for later evacuation via manual vacuuming. However, the City has foregone maintenance on these catch basins. Many catch basin sumps in Cheyenne were filled with concrete to alleviate public complaints about the stench, thereby allowing the trash to flow directly into Crow Creek. We appreciate the hard work that the City does, but more needs to be done to protect Crow Creek and the future of clean water in Cheyenne.

Issue

We must stem the flow of pollution from Cheyenne's streets to improve the health of Crow Creek. Unless we prevent pollution from entering Crow Creek, our revitalization efforts will be unsuccessful. The CCR committee has expressed their apprehension in spending over a million dollars in stream work only to be inundated by sediment, municipal pollutants, and trash influx during every storm event. Also, the City has limited resources and initiative to take the necessary actions to limit pollution entering Crow creek, even though the City must comply with EPA Clean Water Act regulations.

Solution

The patent pending Gutter Bin™ stormwater filtration system is a catch basin filter insert that can help solve the pollution problems in Crow Creek. The Gutter Bin captures many kinds of municipal pollution including trash, sediment, and hydrocarbons. It is a cost-effective device that maximizes regulatory compliance and minimizes operating costs by preventing clogged storm sewer lines. The Gutter Bins are accompanied with a Clean and Measure Pollution Service (CAMPS). CAMPS is an ongoing maintenance program where each Gutter Bin™ is cleaned and measured monthly or upon determined schedule. The empirical aspect of the Gutter Bin will help



Stormwater pollution

Typical catch basin sump in Cheyenne

the City with future regulatory mandates within their MS4 permit because of the ability to quantify the amount of pollution capture per bin.

A desired pilot project for Cheyenne would include 15-30 strategically placed Gutter Bins within the Capitol Basin and West Edge area. These Gutter Bins will be serviced on a predetermined schedule and the pollution will be collected, quantified, and disposed of properly. As with any good filtration mechanism, ongoing maintenance is key to success. We are seeking a Gutter Bin™ sponsorship from the Rotary Club of Cheyenne's to make our CCR project a success. This would include the initial purchase of 15-20 Gutter Bins and an ongoing financial commitment to ensure clean water.



Proposed Partnership to Clean Crow Creek

Rotary International (RI) is one of the most respected organizations in the world. Rotary has many avenues of service including eradicating polio and providing clean water. We believe a partnership between key Wyoming entities could help clean up Crow Creek. We propose a partnership between the Rotary Clubs of Cheyenne, the City of Cheyenne, Frog Creek Partners, and the Laramie County Conservation District would be beneficial to all concerned. The proposed partners would have the following responsibilities:

- Rotary Clubs of Cheyenne (RCC) – Sponsorship of Gutter Bins by granting funds to the project and engaging key stakeholders for project acceptance.
- City of Cheyenne – Provide access and assistance to the partnership for Gutter Bin installation in high polluting areas.
- Frog Creek Partners – Install Gutter Bins in key areas and maintain the bins regularly with CAMPS.
- Laramie County Conservation District – Facilitate the Crow Creek Revival project and multi-level partner management

Frog Creek Partners has created a special Gutter Bin™ design for the Rotary Club of Cheyenne. This unique and attractive design offers the club an opportunity to promote Rotary International in many areas throughout the City, while also doing good by cleaning water. We believe the patent pending *Rotary International Edition* Gutter Bin™ is an excellent use of club funds to benefit all concerned. The benefits of the Gutter Bin™ stormwater filtration system include:

- ✓ A cleaner Crow Creek
- ✓ Increased public exposure of Rotary International
- ✓ Measurable and quantifiable results
- ✓ Lower storm sewer maintenance costs
- ✓ Greater regulatory compliance with current regulations
- ✓ Preemptive compliance with upcoming EPA stormwater regulations
- ✓ LCCD access to capital for restoration project
- ✓ The first RI Gutter Bin™ installation in the world
- ✓ Greater public awareness to stormwater pollution
- ✓ Peace of mind knowing that your watershed and infrastructure are protected



Frog Creek Partners will work closely with the City of Cheyenne to identify locations to install Gutter Bins. We will need the city's approval and willingness to partner in this project. Once the project is accepted, Frog Creek Partners (Frog Creek) will install and maintain the Gutter Bins to mitigate the clogging issues associated with the catch basins.

The Investment Details

An investment in the Gutter Bin™ results in decades of quality stormwater filtration and sponsorship recognition. This attractive piece of functional artwork will capture attention and produce greater public recognition of Rotary International. Frog Creek Partners will extend a special introductory price for the *Rotary International Edition* Gutter Bin™ for \$4,200 each (plus tax). A discount will be offered for orders greater than 10 units. A minimum investment includes:

- ✓ One custom made **Gutter Bin™** made in Wyoming, USA
 - Heavy duty carbon steel storm grate and frame
 - Multi-level filtration basket for target pollution removal
 - Rotary International symbol cut into Gutter Bin
 - RI approved blue and gold powder coating
 - Engineered overflow to prevent flooding
 - 5-year guarantee

- ✓ One year of CAMPS (Clean & Measure Pollution Service)
 - Scheduled maintenance of Gutter Bins
 - Pollution measurement
 - Regular reports to the customer and/or regulatory agency
 - Filtration media recharge and/or replacement
 - Applicable technology upgrades
 - Free installation & training to essential personnel
 - \$125/unit/month for subsequent year CAMP Service



Conclusion

The Crow Creek Revival project is an excellent opportunity to apply grant funds for local benefit. Crow Creek needs the help from the Rotary Club of Cheyenne, the City of Cheyenne, the Laramie County Conservation District, and Frog Creek Partners. An investment in the Gutter Bin™ stormwater filtration system is an investment in Cheyenne's future.

Action Items

- ✓ Frog Creek schedule a meeting with Rotary Club of Cheyenne board of directors to discuss proposal
- ✓ Frog Creek Partners and Laramie County Conservation District present project to the Rotary Club of Cheyenne membership
- ✓ Brian Deurloo and Jeff Geyer will follow up with an executive member of RCC within the next week

About us: Frog Creek Partners creates innovative products and services to solve complex environmental problems. We focus on commonly littered items and nonpoint source pollutants that are washed into waterways via urban stormwater runoff. The patent pending Gutter Bin™ stormwater filtration system is our flagship product. Our Clean and Measure Pollution Service (CAMPS®) ensures that the Gutter Bin™ is maintained and cleaned frequently. Frog Creek Partners is based in Casper, Wyoming and the Gutter Bin™ is manufactured in Wyoming.

Thank you for the opportunity to provide this proposal. It would be an honor to work with the Rotary Clubs of Cheyenne to help keep the Crow Creek clean.

Because Clean Water is a Good Thing™

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