COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan

Water Project Summary

Name of Applicant	Town of Lyons	
Name of Water Project	St Vrain Creek Restoration-Lyons Valley Park	
Grant Request Amount		**$82,500.00**
Primary Category		$82,500.00
Watershed Health & Recreation		
Total Applicant Match		**$27,500.00**
Applicant Cash Match		$27,500.00
Applicant In-Kind Match		
Total Other Sources of Funding		**$0.00**
Total Project Cost		**$110,000.00**

Applicant & Grantee Information

Name of Grantee: Town of Lyons
Mailing Address: PO Box 49 Lyons CO 80540
FEIN: 846,000,690

Organization Contact: Tracy Sanders
Position/Title:
Phone: (720) 697-3427
Email: tsanders@townoflyons.com

Organization Contact - Alternate: Justin Doles
Position/Title: Town Engnieer
Phone: 3038236622
Email: jdoles@townoflyons.com

Grant Management Contact: Tracy Sanders
Position/Title:
Phone: (720) 697-3427
Email: tsanders@townoflyons.com

Grant Management Contact - Alternate: Cassey Eyestone
Position/Title:
Phone:
Email: ceyestone@townoflyons.com

Description of Grantee/Applicant

Town of Lyons

Type of Eligible Entity

- ☐ Public (Government)
- ☐ Public (District)
- ■ Public (Municipality)
- ☐ Ditch Company

- [ ] Private Incorporated
- [ ] Private Individual, Partnership, or Sole Proprietor
- [ ] Non-governmental Organization
- [ ] Covered Entity
- [ ] Other

Category of Water Project

- [ ] Agricultural Projects
  Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.
- [ ] Conservation & Land Use Planning
  Activities and projects that implement long-term strategies for conservation, land use, and drought planning.
- [ ] Engagement & Innovation Activities
  Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.
- [x] Watershed Restoration & Recreation
  Projects that promote watershed health, environmental health, and recreation.
- [ ] Water Storage & Supply
  Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.

Location of Water Project

Latitude	40.214470
Longitude	-105.259000
Lat Long Flag	
Water Source	St. Vrain River
Basins	South Platte
Counties	Boulder
Districts	5-St. Vrain Creek

Water Project Overview

Major Water Use Type	Environmental
Type of Water Project	Design / Engineering
Scheduled Start Date - Design	
Scheduled Start Date - Construction	

Description

The Lyons Valley Park (LVP) streambank restoration project area is located along the St Vrain Creek just downstream from McConnell Drive Bridge and McConnell Ponds in the Town of Lyons was significantly impacted by the 2013 flood. The flood caused a great deal of streambank erosion and sedimentation that causing impacts to residents, businesses, infrastructure and buildings.

The proposed streambank restoration area is approximately 400 linear feet of stream, approximately .3-.4 acres, depending upon the width of the bank determined to require stabilization and restoration. The objectives include design withe this application and once 100% plans are developed then the Town will apply for additional funding for construction. Key objectives:

-stabilize the streambank to protect against erosion and bank loss
-re-establish vegetation in bank areas conducive to vegetation
-reinforce the bank t help protect the affordable housing development from future flood events.
-Protect and maintain established trees and other vegetation
-improve stream health for fish and other habitat
-maximize floodplain and streambank

Measurable Results

New Storage Created (acre-feet)
New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
Existing Storage Preserved or Enhanced (acre-feet)
New Storage Created (acre-feet)
400 Length of Stream Restored or Protected (linear feet)
Length of Pipe, Canal Built or Improved (linear feet)
Efficiency Savings (dollars/year)
Efficiency Savings (acre-feet/year)
Area of Restored or Preserved Habitat (acres)
Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
Number of Coloradans Impacted by Engagement Activity

Other

This project design will allow the Town to move forward with additional funding requests to re-construct a streambank that help restore the streambank to pre-flood condition. re-establishment of the streambank will ensure that the bank does not continue to erode and pose a threat to life and property. It will also improve stream health, fish and other habitat. This project meets the goals of the South Platte River stakeholders of protecting and enhancing recreational attributes, environmental health and finally managing risk with river impacts.

Water Project Justification

In 2013 the Town of Lyons experienced a 2% (500 yr) flood, compromising all streambanks within Town limits. This 400' section of streambank was not repaired during the flood recovery years because at the time it was private property and not in Town limits. This property is now in Town limits and owned by the Town and is being developed with affordable housing units. The compromised section of streambank has a sheer drop of about 30' and is prone to erosion because of the steepness and lack of vegetation in certain areas. This streambank poses a safety risk to residents and property. If this section of bank were repaired it will nearly complete the restoration of all streambanks within Town limits. The bank as is is now poses a safety risk to residents and property, restoration of the bank would also re-establishing habitat in that location.

Related Studies

The restoration of this area was a part of the Watershed Recovery Project recovery efforts after the 2013 flood, design and hydraulic modeling had been completed by Enginuity Engineering Solutions. At the time when the Watershed Recovery was taking place the private property owner did not want to participate, now that this is now Town owned property the Town feels this is critical to repair. The Town believes there may be a study that was completed by EWP in 2018 but has not been able to obtain a copy, the Town has a copy of the study for areas just upstream of this location. The Town's Engineer Consultant has drafted a memo with background, justification, and proposed scope of work for this location, that will be included in the application documentation

Taxpayer Bill of Rights
NA