

PROJECT INFORMATION

Project Name: **Resilient St Vrain Project**

Project #: **DRN039**

Year First Shown in CIP: **2013**

Funding Status: **Partially Funded**

Is this a Budget Amendment?

Amendment Date: **09/24/2024**

PROJECT DESCRIPTION:

The Resilient St. Vrain Project includes two reaches of the St. Vrain Creek in Longmont - City Reach and Sandstone Ranch Reach. The Sandstone Ranch Reach extends from County Line Road on the upstream end to the confluence of Boulder Creek on the downstream side. The City Reach extends from Airport Road on the upstream end to the confluence of Left Hand Creek on the downstream side. Project goals for the Sandstone Ranch Reach include restoration of damage to the St. Vrain Greenway and stabilization of the creek in its post 2013 flood location adjacent to roads and other infrastructure to protect them from future damage. The Sandstone Ranch Reach is complete and the Greenway Trail re-opened to the Sandstone Ranch District Park in the summer of 2018.

Project goals in the City Reach focus on reestablishment of the St. Vrain Greenway; channel improvements to protect people, property and infrastructure from future flood risks; and to complete these improvements in the most environmentally sensitive manner possible. City Reach improvements are a multi-year project that is being constructed in phases/reaches. Construction on City Reach 1 (Main Street to Left Hand Creek) is complete. Construction of City Reach 2A (Colorado Way to Main Street), City Reach 2B (upstream of the BNSF Railroad Bridge to Colorado Way) and Izaak Walton Reach 1 (Boston Ave. to upstream of the BNSF RR Bridge) are also complete. Funding for these sections comes from several sources including: FEMA Disaster Recovery funds, FEMA Hazard Mitigation Grant Program funds, Community Development Block Grant Disaster Recovery (CDBG-DR) funds, Longmont voter approved Storm Drainage Bond funds, and voter approved Street Fund Sale Tax funds for replacement of various bridges crossing the Creek.

The City is currently working with the US Army Corp of Engineers (USACE) on the next phase of channel improvements, Izaak Walton Reach 2 (S. Sunset Street to Boston Avenue). The City has entered into a Public Partnership Agreement with the USACE under their 205 Program for final design and construction of Izaak Walton Reach 2. The total project cost is approximately \$15 million with the USACE share at approximately \$8 million and the City's local match at approximately \$7 million. The City's share for the USACE project consists of approximately \$750,000 for final design, credit for the land and right-of-way owned by the City along the St. Vrain Creek, acquisition of additional land and right of way required for the project, and replacement of the Boston Avenue Bridge identified in CIP Project TRP118, Boston Avenue Bridge over St. Vrain Creek. Final design for the channel improvements is scheduled to be complete early in 2023 with construction starting during the summer of 2023.

Final design and construction of the next phase(s) from Airport Road to S. Sunset Street are dependent on future funding. The City is currently working on grant funding options for a future phase upstream of Sunset Street which is referred to as the Hover Road Reach (Hover Road to Sunset Street). The Hover Road Reach is estimated to cost approximately \$21 million. Federal grant funding could cover up to seventy-five percent (75%) of the project costs or approximately \$15.75 million. The Hover Road Reach includes bridge improvements at Hover Road identified in CIP Project TRP117, Hover Street Bridge over St. Vrain Creek which accounts for approximately \$6 million of the total \$21 million costs. CIP Project TRP117 is currently unfunded.

Project improvements upstream of Hover Road remain in the storm drainage master plan and are currently unfunded.

PROJECT JUSTIFICATION:

Improvements to the St. Vrain Creek channel are required to protect the community from future flood events. The capacity of the St. Vrain Creek channel prior to the 2013 flood was approximately 5,000 cubic feet per second (cfs). Following the 2013 flood, with the debris and material deposited in the creek, the capacity of the channel has been reduced to approximately 3,500 cfs. A study completed by the Colorado Dept. of Transportation and the Colorado Water Conservation Board updated the hydrology report for the St. Vrain Creek Watershed, and that report has significantly increased 100-year flood flows from the previous 100-year flow rate of 10,000 cfs to 15,500 cfs at Main Street in Longmont. Increased flow rates will increase the extent of the floodplain through the core of the City. Completion of this project would not only restore the St. Vrain Greenway through the City and Sandstone Ranch, but would significantly improve public safety and reduce the risk of damage to public and private infrastructure from future flood events. Completion of the project would reduce the 100-year floodplain through the City, removing approximately 800 acres and over 500 structures from the floodplain, protecting that land and infrastructure from future flood risks.

SUPPORTING ENVISION LONGMONT GUIDING PRINCIPLES AND FOCUS AREA ALIGNMENT:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> GP1:Livable Centers,Corridors & Neighborhoods | <input checked="" type="checkbox"/> GP2:Complete, Balanced & Connected Transp Sys | <input type="checkbox"/> GP3:Housing,Services,Amenities & Oppt for All |
| <input checked="" type="checkbox"/> GP4:A Safe, Healthy, and Adaptable Community | <input checked="" type="checkbox"/> GP5:Responsible Stewardship of Our Resources | <input type="checkbox"/> GP6:Job Grwth & Economic Vitality-Innov & Col |
| <input type="checkbox"/> Sugar Mill / Highway 119 Gateway | <input checked="" type="checkbox"/> St. Vrain Creek Corridor | <input checked="" type="checkbox"/> Hover Street Corridor |
| <input type="checkbox"/> Midtown / North Main | <input checked="" type="checkbox"/> Area of Change | <input type="checkbox"/> Downtown / Central Business District (CBD) |

Other Related Plans/CIP Projects: TRP118 Boston Avenue Bridge over St. Vrain Creek
TRP117 Hover Street Bridge over St. Vrain Creek

Related Equity Insight: Supports both Equitable Community and Access

PROJECT COSTS:

	2024/Yr1	2025/Yr2	2026/Yr3	2027/Yr4	2028/Yr5	Project TOTAL
	3,232,805	15,250,000	0	0	39,000,000	57,482,805

SOURCE OF FUNDS:

Funded	2024	2025	2026	2027	2028	2024-2028 TOTAL
Storm Drainage	2,515,260	0	0	0	0	2,515,260
Storm Drainage - Bonds	717,545	0	0	0	0	717,545
Unfunded	Year 1	Year 2	Year 3	Year 4	Year 5	Unfunded TOTAL
Electric	0	175,000	0	0	0	175,000
Broadband	0	75,000	0	0	0	75,000
Storm Drainage	0	15,000,000	0	0	39,000,000	54,000,000

LOCATION MAP:

Resilient St Vrain Project

