

PROJECT INFORMATION

Project Name: **Resilient St Vrain Project**
 Year First Shown in CIP: **2013**
 Is this a Budget Amendment?

Project #: **DRN039**
 Funding Status: **Partially Funded**
 Amendment Date: **08/24/2021**

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. Construction on City Reach 1 (Main Street to Left Hand Creek) is complete. Construction of City Reach 2A (Colorado Way to Main Street) is also complete. City Reach 2B (upstream of the BNSF Railroad Bridge to Colorado Way) is scheduled to be complete in 2020. 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 funds, Longmont voter approved Storm Drainage Bond funds, and voter approved Street Fund Sale Tax funds for replacement of various bridges crossing the Creek. Final design for the next reach, Izaak Walton Reach 1 (Boston Ave to upstream of the BNSF RR Bridge), will be complete in 2020 and construction is anticipated to begin in 2020.

Final design and construction of the remaining phases from upstream of the Boston Avenue Bridge to Airport Road are dependent on future funding. The City is currently working with the US Army Corp of Engineers (USACE) on an effort to include the next phase from Izaak Walton Reach 1 to Sunset Street in their 205 Program Funding. This program has a maximum project cost of approximately \$15 million with the USACE share at approximately \$10 million and the local match at approximately \$5 million. The City's local match share for the USACE project would consist 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.

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 \$20 million. Federal grant funding could cover up to half of the project costs or approximately \$10 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 \$5 million of the total \$20 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 new 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 over 800 acres of the City 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:

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

PROJECT COSTS:

	2021/Yr1	2022/Yr2	2023/Yr3	2024/Yr4	2025/Yr5	Project TOTAL
	1,738,068	5,060,000	10,000,000	0	41,000,000	57,798,068

SOURCE OF FUNDS:

Funded	2021	2022	2023	2024	2025	2021-2025 TOTAL
Storm Drainage	46,000	30,000	0	0	0	76,000
Storm Drainage - CDBG	1,646,068	0	0	0	0	1,646,068
Street	46,000	30,000	0	0	0	76,000
Unfunded	Year 1	Year 2	Year 3	Year 4	Year 5	Unfunded TOTAL
Storm Drainage	0	5,000,000	10,000,000	0	41,000,000	56,000,000

LOCATION MAP:

Resilient St Vrain Project

