

**CITY OF BOULDER
INFORMATION ITEM FOR:**

ENVIRONMENTAL ADVISORY BOARD – April 5, 2017
PLANNING BOARD – April 6, 2017
TRANSPORTATION ADVISORY BOARD – April 10, 2017
OPEN SPACE BOARD OF TRUSTEES – April 12, 2017
WATER RESOURCES ADVISORY BOARD – April 17, 2017
PARKS AND RECREATION ADVISORY BOARD – April 24, 2017

GREENWAYS ADVISORY COMMITTEE AGENDA ITEM
MEETING DATE: May 11, 2017

<p>SUBJECT: 2018-2023 Greenways Capital Improvement Program</p>
<p>REQUESTING DEPARTMENT: Christin Shepherd – Flood and Greenways Engineer</p>
<p>PURPOSE: The 2018-2023 Greenways Capital Improvement Program is being provided to board members as an information item. If you have any comments or concerns regarding the 2018-2023 Greenways Capital Improvement Program, please pass them along to your Greenways Advisory Committee representative. If you have questions on this material, please contact Christin Shepherd at 303-441-1889 or shepherdc2@bouldercolorado.gov</p>
<p>GREENWAYS ADVISORY COMMITTEE ACTION REQUESTED: A recommendation from the Greenways Advisory Committee to City Council concerning the proposed Greenways Capital Improvement Program is requested.</p>

Attached is information concerning the proposed 2018-2023 Greenways Capital Improvement Program (CIP) for review and consideration. A recommendation by the Greenways Advisory Committee to City Council will be requested at the May GAC meeting.

Attachment A: Greenways 2018-2023 Capital Improvement Program Overview
Attachment B: Greenways 2018-2023 Capital Improvement Program Summary Spreadsheet
Attachment C: Greenways Program CIP Map

Attachment A: Greenways 2018-2023 Capital Improvements Program

Overview of Department Mission

The City of Boulder Greenways System is comprised of a series of corridors along riparian areas including Boulder Creek and its 14 tributaries, which provide an opportunity to integrate multiple objectives, including habitat protection, water quality enhancement, storm drainage and floodplain management, alternative transportation routes for pedestrians and bicyclists, recreation and cultural resources.

The Greenways CIP follows an opportunistic approach, contributing funding toward projects that are being completed by other departments or private development in order to meet the various objectives of the Greenways Program. The Greenways CIP also looks to leverage funds with outside agencies in order to move projects forward that meet more than one objective of the Greenways Program, but may not be the highest priority when evaluating any one particular objective. Projects included in the Greenways CIP are typically called out in the Greenways Master Plan and are projects that Greenways staff can take the lead in coordinating.

Funding Overview

The 2017 annual funding distribution for the Greenways capital program is as follows:

Transportation Fund	\$97,500
Stormwater & Flood Management Utility Fund	\$97,500
Lottery Fund	\$151,067

The total 2018 Greenways capital budget is \$346,067, with an additional \$105,000 in the operating budget. Historically, the Lottery contribution to the Greenways Program has been \$150,000 per year. As a result of the projected reduction of the city's allocation of Lottery funds, the Lottery contribution was decreased in 2015 to \$125,000, and this figure is utilized for future budget projections. A budget adjustment will be made every year to reflect the city's actual Lottery funds received, with Greenways allocation being 15-percent total.

Current Focus for Capital Planning and Projects in 2018

The focus of the Greenways CIP in 2018-2020 is on flood mitigation, bicycle and pedestrian multi-use paths and underpasses, and habitat and water quality improvements along the Fourmile Canyon Creek corridor. These improvements are also being coordinated with the development of the Violet Park site. The Greenways program is currently seeking additional funding through the city's capital tax program to help fund this project.

In 2021-2023, funding for these types of improvements is shown for Skunk Creek in anticipation of future major drainageway improvements along this corridor. For more information about the

timing and details of these projects, please see the Utilities -Stormwater/Flood web page: <https://bouldercolorado.gov/flood/creek-projects>

In addition, possible habitat restoration projects during the next few years include:

- Habitat improvements along Fourmile Canyon Creek upstream of Broadway in conjunction with OSMP flood mitigation efforts (sediment removal)
- Creek widening and restoration on Boulder Creek at Valmont and 55th in conjunction with OSMP
- Goose Creek, railroad to 47th Street tree plantings
- Removal of Russian Olive trees east of 75th Street along Boulder Creek

Board Action

The Greenways Advisory Committee will meet on May 11, 2017 to review the 2018-2023 Greenways Program CIP and make a recommendation to City Council.

Guiding Principles & Project Prioritization

Greenways projects address many of the CIP guiding principles. Greenways projects are identified in multiple master plans and meet the community sustainability goals. Most of the Greenways projects leverage outside or interdepartmental funding. Greenways habitat improvements seek to be sustainable and are intended to reduce the future maintenance required.

The Greenways CIP has been developed within the context of and is consistent with the Boulder Valley Comprehensive Plan (BVCP), the Transportation Master Plan (TMP), the major drainageway flood mitigation plans, the Comprehensive Flood and Stormwater Master Plan and the Greenways Master Plan. The Greenways Master Plan was updated in 2011 to reflect improvements that had been completed, and adopted changes that have been made in other master plans, city policies and ordinances that affect the Greenways Program since the last Master Plan update in 2001.

Prioritization:

Many of the Greenways projects shown in the CIP are being designed and constructed in coordination with major flood or transportation improvements. The Greenways funding associated with these projects focuses on habitat restoration, water quality improvements and trail connections. In addition to leveraging funding with the Transportation and Flood Utilities budgets, funding for Greenways projects is also available through the Urban Drainage and Flood Control District and Federal Transportation funds.

Projects not in Master Plans:

It should be noted that the city experienced a major flood in September 2013 that resulted in

extensive flooding along most of the city's major drainageways. Following the flood, additional funds have been allocated in the Flood Utility CIP to reflect an increased interest in pursuing flood mitigation efforts along the city's major drainageways. As a result of updated mapping and the September 2013 flood, flood mitigation plans were completed for Gregory Creek, Bear Canyon Creek and Boulder Creek to identify economically feasible improvement projects. Flood mitigation plans will be initiated in 2017 for Upper Goose Creek, Twomile Canyon Creek, Skunk, King's Gulch and Bluebell. Results from these flood mitigation plans will inform future capital improvements. Continued evaluation of potential improvement may result in additional changes to the Flood Utility and Greenways CIP in upcoming years.

Projects not Previously Identified in the CIP

None.

Operation and Maintenance Impacts

\$105,000 is budgeted each year for Greenways operations and maintenance. \$80,000 of the operating budget is dedicated to habitat maintenance. The Greenways habitat crew works closely with Parks and Open Space maintenance staff to provide on-going maintenance, as well as on collaborative projects as part of the operations budget. Major drainageway improvements are maintained by the flood maintenance staff and multi-use paths and underpasses are maintained by either Transportation or Parks maintenance, depending upon jurisdiction.

Deferred, Eliminated, or Changed Projects

None

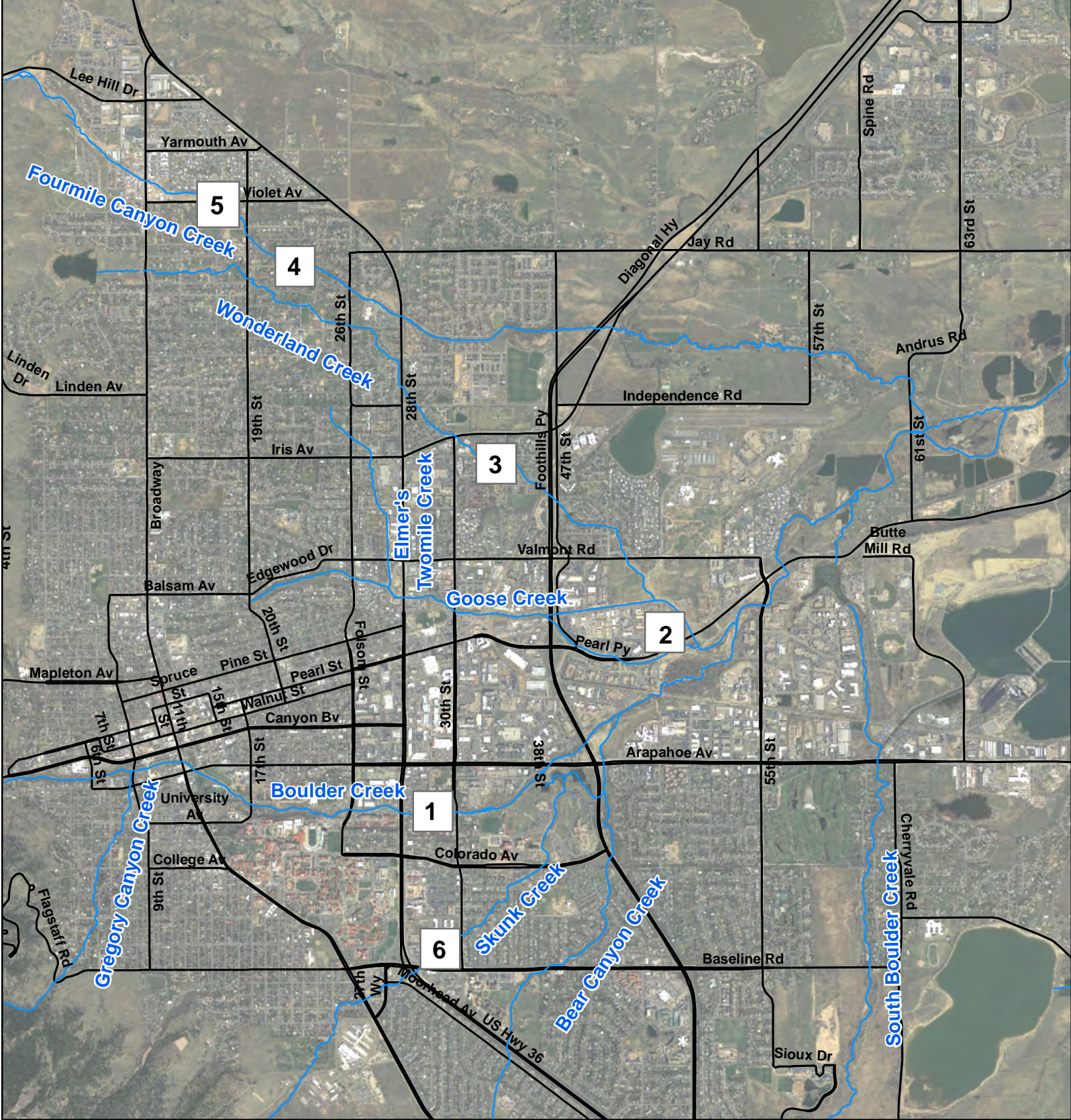
Unfunded Projects and Emerging Needs

Since the Greenways Program is opportunistic, taking advantage of projects that are funded through other departments, there are no unfunded needs.

Attachment B: Greenways Program Summary Spreadsheet

	2017 Greenways Budget		
	Carry Over \$ From Previous Years	2017 Budget	2017 Budget + Carry Overs
<i>CU Bridges</i>	\$ 200,000	\$ -	\$ 200,000
<i>Goose Creek Restoration</i>	\$ 152,399	\$ -	\$ 152,399
<i>Wonderland Foothills-28th</i>	\$ 914,467	\$ -	\$ 914,467
<i>Fourmile 19th-22nd</i>	\$ 718,828	\$ -	\$ 718,828
<i>Fourmile Upland to Violet</i>	\$ 270,400	\$ 270,400	\$ 540,800
<i>Skunk Creek</i>	\$ -	\$ -	\$ -
<i>Restoration, Water Quality & Trail Improvements</i>	\$ 50,041	\$ 75,667	\$ 125,708
Total	\$ 2,306,135	\$ 346,067	\$ 2,652,202

2018-2023 Greenways CIP					
2018	2019	2020	2021	2022	2023
\$ 270,000	\$ 270,000	\$ 270,000			
			\$ 270,000	\$ 270,000	\$ 270,000
\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000	\$ 320,000
<i>Projected Funding based on \$120k Lottery Fund</i>					



- Projects**
- 1 CU Bridges
 - 2 Goose Creek Restoration
 - 3 Wonderland Foothills - 29th
 - 4 Fourmile 19th - 22nd
 - 5 Fourmile Upland - Violet
 - 6 Skunk Creek

2018 - 2023
Greenways Program CIP
 Attachment C

