

**CITY OF BOULDER
INFORMATION ITEM FOR:**

ENVIRONMENTAL ADVISORY BOARD – May 24, 2012
PLANNING BOARD – May 17, 2012
TRANSPORTATION ADVISORY BOARD – May 14, 2012
OPEN SPACE BOARD OF TRUSTEES – May 9, 2012
WATER RESOURCES ADVISORY BOARD – May 21, 2012
PARKS AND RECREATION ADVISORY BOARD – May 21or June 4, 2012

GREENWAYS ADVISORY COMMITTEE AGENDA ITEM

MEETING DATE: June 12, 2012

<p>SUBJECT: 2013-2018 Greenways Capital Improvement Program</p>
<p>REQUESTING DEPARTMENT: Anne Noble – Greenways Coordinator</p>
<p>PURPOSE: The 2013-2018 Greenways Capital Improvement Program is being provided to board members as an information item. If you have any comments or concerns regarding the 2013-2018 Greenways Capital Improvement Program, please pass them along to your Greenways Advisory Committee representative. If you have questions on this material, please contact Annie Noble at 303-441-3242 or noblea@bouldercolorado.gov</p>
<p>GREENWAYS ADVISORY COMMITTEE ACTION REQUESTED: A recommendation from the Greenways Advisory Committee to the City’s Planning Board and City Council concerning the proposed Greenways Capital Improvement Program is requested.</p>

Attached is information concerning the proposed 2013-2018 Greenways Capital Improvement Program (CIP) for review and consideration. A recommendation by the Greenways Advisory Committee to the city’s Planning Board and Council will be requested at the June 12, 2012 GAC meeting.

- Attachment A: Greenways 2013-2018 Capital Improvement Program Overview
- Attachment B: Greenways 2013-2018 Capital Improvement Program Summary Spreadsheet
- Attachment C: Greenways Program CIP Map

**Attachment A
Greenways 2013-2018 CIP Program Overview**

**GREENWAYS
2013 - 2018 CAPITAL IMPROVEMENTS PROGRAM**

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. In order to maximize the overlap of objectives and to coordinate projects along the Greenways, identification of projects for the 2013-2018 Greenways Capital Improvement Program was done as a team effort, combining input from Flood Utilities, Transportation, Parks and Recreation, Water Quality and Environmental Services, Environmental Affairs, Planning and Open Space and Mountain Parks.

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 total 2013 Greenways budget is \$345,000, with \$105,000 in the operating budget. Greenways projects are funded from the Transportation Fund, Stormwater and Flood Management Utility Fund, and the Lottery Fund. Annual funding distribution for the Greenways Program for 2013-2014 is as follows:

Transportation	-	\$97,500
Flood Utility	-	\$97,500
Lottery Fund	-	\$150,000

Starting in 2015, the Lottery contribution is expected to be reduced to \$125,441, based on Greenways receiving 15% of the city's funding allocation, with a projection of total Lottery proceeds being \$836,275.

Accomplishments and Highlights

- The focus of the 2013-2018 Greenways CIP is on flood mitigation, bicycle and pedestrian multi-use paths and underpasses, and habitat and water quality improvements along the Fourmile and Wonderland Creek corridors.
- A Feasibility Report was completed in February 2011 by the U.S. Army Corps of Engineers for a Section 206 Restoration grant for Goose Creek between Foothills

Highway and the confluence of Boulder Creek. Federal funding for the design and construction of this project has been allocated for 2012. The city's 35% funding match is being met by credits from city owned real estate.

- Flood improvements and a multi-use path connection between Broadway and Violet along Fourmile Canyon Creek were completed in conjunction with a private development in April 2012. Greenways and Flood Utilities provided funding contributions toward this project.
- A multi-use path connection along Fourmile Canyon Creek from 26th to 28th Streets through the Elks Park is expected to be constructed during the summer of 2012. This project is funded by Safe Routes to Schools, with Greenways funds contributing toward habitat improvements.

In addition to the projects along Fourmile Canyon Creek and Wonderland Creek, possible habitat restoration projects during the next few years include:

- Stream bank restoration along Boulder Creek at Eben Fine Park
- Confluence of Bear Creek and Boulder Creek at Foothills Community Hospital
- Dry Creek habitat improvements through Flatirons Golf Course
- Goose Creek, railroad to 47th Street tree plantings
- Goose Creek habitat improvements at the Transit Village
- Fish Passage enhancement projects in association with Fishing is Fun grants
- South Boulder Creek minimum stream flow
- Removal of Russian Olive trees east of 75th Street along Boulder Creek

During 2011, a conceptual design for a stream bank restoration plan in Eben G. Fine Park was initiated. A design consultant was hired and two public open houses were held to solicit input and comments. The conceptual design was reviewed by the Greenways Advisory Committee and the Parks and Recreation Advisory Board. Greenways also partnered with the Open Space and Mountain Parks Department during 2010-2011 to construct a fence along Fourmile Canyon Creek between 28th Street and the Pleasantview Soccer fields in order to preserve habitat and water quality.

The Greenways habitat crew also works closely with Parks and Open Space maintenance staff on collaborative projects as part of the operations budget. In addition, the Urban Drainage and Flood Control District completes maintenance projects along the major drainageways. In 2012 this includes the repair of a drop structure in Boulder Creek at 55th Street, which will reinforce a sanitary sewer line and allow for fish passage. Stream bank erosion will also be addressed. A second Urban Drainage maintenance project is under design along Fourmile Canyon Creek upstream of Broadway. This project will include the construction of a sediment trap and selective thinning of vegetation.

Relationship to Master Plan and Prioritization

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 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. Information from other existing master plans for seven additional tributaries were also incorporated into the Greenways Master Plan update. Future opportunities will also be coordinated with the Open Space and Mountain Park's Grassland Plan and Visitor Master Plan and Trail Study Area plans where appropriate.

Transportation and flood utility projects were identified from the Transportation Master Plan, and the major drainageway plans, and intra-departmental meetings were held to determine project priorities and timing. Private development activities were also evaluated. 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.

Deferred Projects, Changes and Unfunded Needs

Since the Greenways Program is opportunistic, taking advantage of projects that are funded through other departments, there are no unfunded needs. The 2013-2018 Greenways and Flood CIPs include sufficient funding to complete:

- Wonderland Creek from Foothills to 30th Streets (100 year flood mitigation) and multi-use path
- Fourmile Canyon Creek at 19th Street (100 year flood mitigation at 19th Street) and multi-use path and emergency access connection from 19th Street to Tamarack
- Wonderland Creek at 28th Street (High Hazard or 100 year flood mitigation)

The Wonderland Creek from Foothills to 30th Street was granted Federal Transportation Improvement Program (TIP) funds in the amount of \$2 million (2012-2014). Additional TIP funding was recently granted for the Wonderland Creek at 28th Street project in the amount of \$900,000 (2013-2014). This has made it possible to move Greenways and Flood Utilities funding previously shown in 2016 and 2017 from this project to the Fourmile Upland to Violet project.

On-going discussions have occurred related to the operating budget of the Greenways program being reflected in the CIP budget. As part of the 2012 budget, the operating portion of the Greenways program has been reallocated from the CIP to the operating budget in both Transportation and Utilities.

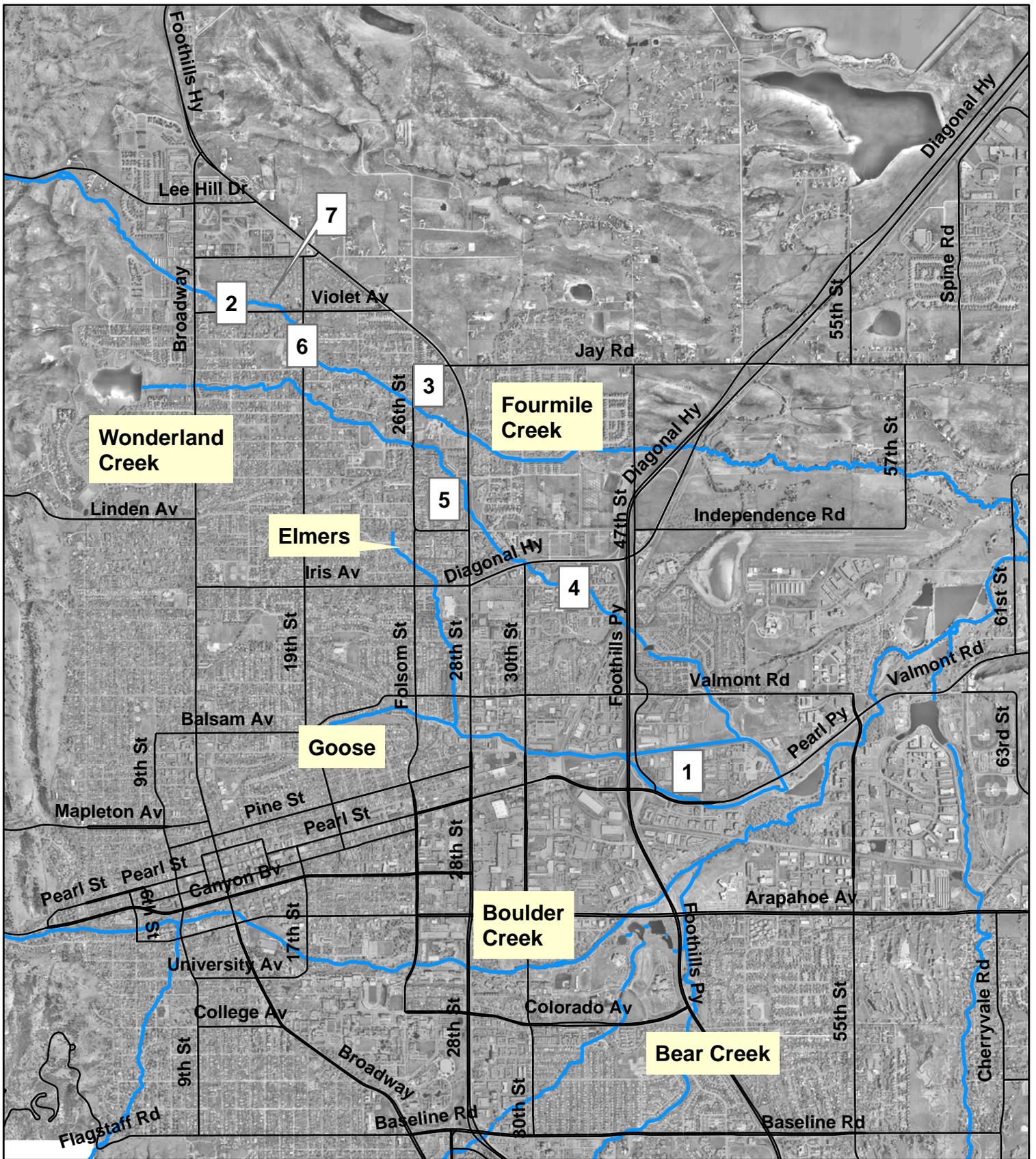
Emerging Needs

None

BOARD ACTION

The Greenways Advisory Committee will review the Greenways CIP on June 12, 2012 and will be asked to make a recommendation for approval to the Planning Board and City Council.

Attachment B												
CITY OF BOULDER												
CAPITAL IMPROVEMENTS PROGRAM												
GREENWAYS PROGRAM 2013-2018 SUMMARY SHEET with Carry Overs from 2011 to 2012												
	Total Greenway	Expended in	Carry	2012	2012	2013	2014	2015	2016	2017	2018	
	2013-2018	Prior Years	Over	Budget	Proposed	Projected	Projected	Projected	Projected	Projected	Projected	
CAPITAL IMPROVEMENTS PROGRAM												
Greenways Project Administration			\$20,270	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
1 Goose Creek Restoration					\$20,000							
2 Fourmile Broadway to Violet	\$150,000		\$150,000		\$150,000							
3 Fourmile 26th to 28th	\$75,000		\$75,000		\$75,000							
4 Wonderland Foothills to 30th Street	\$354,474	\$18,162	\$336,312		\$336,312							
5 Wonderland 28th Street Underpass	\$365,441						\$195,000	\$170,441				
6 Fourmile 19th to 22nd	\$585,000	\$267	\$194,733	\$195,000	\$389,733	\$195,000						
7 Fourmile Upland to Violet	\$511,323								\$170,441	\$170,441	\$170,441	
Restoration, Water Quality and Trail Improvement	\$467,747		\$90,415	\$50,000	\$167,747	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
Eben Fine Restoration	\$500,000											
Dry Creek through Golf Course	\$0											
CU Bike/Ped Bridge Replacement	\$200,000		\$200,000		\$200,000							
GREENWAYS OPERATING EXPENSES												
MOVED TO OPERATING BUDGET												
Non-personnel expenses			\$18,415									
Habitat Maintenance Crew Lead FTE (1/2)			\$8,647	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Habitat Maintenance Crew				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL GREENWAYS BUDGET			\$1,093,792	\$345,000	\$1,438,792	\$345,000	\$345,000	\$320,441	\$320,441	\$320,441	\$320,441	
Changes from 2012-2017: moved \$170,441 from Wonderland @ 28th to Fourmile @ Upland												
Operating Expenses moved to an operating budget												
Lottery funds reduced in 2015												
TOTAL FUNDING												
		All Years				OTHER FUNDING SOURCES						
		Greenways			Pre-flood	Flood	Transportation	TIP	Developer	Other	Unfunded	Total
Project												
1 Goose Creek Restoration		\$20,000				\$0				\$2,000,000		\$2,020,000
2 Fourmile Broadway to Violet		\$150,000				\$160,000			\$250,000			\$560,000
3 Fourmile 26th to 28th		\$75,000				\$0				\$198,232		\$273,232
4 Wonderland Foothills to 30th Street		\$354,474			\$663,715	\$3,075,890		\$2,000,000				\$6,094,079
5 Wonderland 28th Street Underpass		\$365,441			\$0	\$4,000,000		\$900,000				\$5,265,441
6 Fourmile 19th to 22nd		\$585,000				\$815,859						\$1,400,859
7 Fourmile Upland to Violet		\$511,323				\$2,500,000						\$3,011,323
FLOOD FUNDING BY YEAR												
						2013	2014	2015	2016	2017	2018	
OCA		Expended in	Carry	2012	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Total Available
		Prior Years	Over	Budget								
1		Goose Creek Restoration										\$0
2	431729	Fourmile Broadway to Violet	\$160,000	\$0								\$160,000
3		Fourmile 26th to 28th										\$0
4	431011	Wonderland Foothills to 30th	\$415,404	\$1,910,486	\$750,000							\$3,075,890
5	431012	Wonderland 28th Street Under				\$1,250,000	\$1,250,000	\$1,500,000				\$4,000,000
6	431730	Fourmile 19th to 22nd		\$815,859								\$815,859
7		Fourmile Upland to Violet							\$1,000,000	\$1,000,000	\$500,000	\$2,500,000
		Total		\$2,886,345								
		TIP Wonderland @ Foothills			\$300,000	\$500,000	\$1,200,000					
		TIP Wonderland @ 28th				\$100,000	\$800,000					



Wonderland Creek

Fourmile Creek

Elmers

Goose

Boulder Creek

Bear Creek

- Projects
- 1 Goose Creek Restoration
 - 2 Fourmile Broadway to Violet
 - 3 Fourmile 26th to 28th Street
 - 4 Wonderland Foothills to the Diagonal
 - 5 Wonderland 28th Street Underpass
 - 6 Fourmile - 19th to 22nd
 - 7 Fourmile - Upland to Violet

2013 - 2018 Greenways Program CIP

