

GREENWAYS 2004-2009 CAPITAL IMPROVEMENTS PROGRAM

OVERVIEW

The 2004 Greenways Capital Improvements Program (CIP) budget is \$450,000. 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 Comprehensive Drainage Utility Master Plan (CDUMP), and the Greenways Master Plan.

The city of Boulder Greenways System is comprised of a series of corridors along riparian areas including Boulder Creek and six designated 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 2004-2009 Greenways CIP was done as a team effort, combining input from Public Works (Utilities and Transportation groups), Parks and Recreation, Water Quality and Environmental Services, and Mountain Parks and Open Space.

Transportation and flood utility projects were identified from the Transportation Master Plan, the Comprehensive Drainage Utility Master Plan, and intra-departmental meetings to determine project priorities and timing. Environmental projects were identified during the Master Plan update process and were prioritized based on recent environmental studies, the overlap with other projects, and the feasibility and effectiveness of the project in meeting environmental goals. Maintenance of the Greenways system was reviewed as part of the Master Plan update process. To address the identified deficiencies in maintenance and weed control, the 2002-2007 Greenways CIP specified \$150,000 to be used for maintenance each year. This allocation was continued in the 2004-2009 CIP. The success of the habitat maintenance effort will be evaluated in the fall of 2003, following the second season of its implementation. This evaluation will be used to determine future funding levels in the 2005-2010 CIP.

POLICY ISSUES

All projects in the 2004-2009 CIP will go through the CEAP process, either as part of a bigger flood or transportation project or as a separate project as indicated on the project status reports.

HIGHLIGHTS

Highlights of Greenways projects included in the 2004 CIP focus on the Elmers Twomile Creek corridor from Glenwood Drive to the confluence with Goose Creek. This project includes a trail connection, habitat restoration and flood improvements. Also shown in 2004 is funding for habitat restoration along the Goose Creek corridor just upstream of the confluence with Boulder Creek. The U.S. Army Corps of Engineers is currently evaluating funding for a joint restoration project with the city in this reach of Goose Creek.

The 2004-2009 CIP shows a reshuffling of funds from the 2003-2008 CIP. The 2003-2008 Greenways CIP focused on the Fourmile and Wonderland Creek Corridors in order to coordinate Greenways projects with proposed flood improvements. The Flood Utility is currently in the process of developing a Flood Mitigation Master Plan for Fourmile and Wonderland Creeks. The Fourmile plan was anticipated to be completed in 2002. The preliminary plan assumed containment of spill flows from Fourmile Canyon Creek based on direction from City Council.

Based on comments from an Independent Review Panel, staff decided to delay the flood mitigation master plans for the Fourmile Canyon Creek and Wonderland Creek floodplains until the city could determine and implement a floodplain management policy that addressed the issues in a larger manner. The Flood Study is expected to be completed in two years. As a result, funding for projects along Fourmile Creek and Wonderland Creek has been postponed to later years in the CIP. In addition, funding that had been dedicated for projects along Fourmile Canyon Creek in 2001, 2002 and 2003 will be diverted to other projects. \$200,000 was funded prior to 2003 for trail and habitat improvements along Fourmile Canyon Creek from 26th to 28th Street (the “Elks project”). This money has been carried over and will be utilized for trail, habitat and flood improvements along Elmers Twomile Creek, along with \$25,000 shown in the 2003 CIP for a project along Fourmile from Broadway to 19th Street. Funding shown in the 2003 CIP for habitat improvements along Formile from Pleasantview soccer fields to 28th Street will be utilized as part of the matching fund requirements for the Goose Creek restoration project.

FINANCING

Greenways projects are funded from the Transportation Fund, Stormwater and Flood Management Utility Fund, and the Lottery Fund. Existing CIP expenditures are estimated at \$450,000 per year for the next six years. Annual funding distribution for the Greenways Program for 2004-2009 is as follows:

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

RELATIONSHIP TO OPERATING BUDGET

The Greenways corridors are currently maintained by several work groups within the city, as well as outside organizations. Tasks are divided up by geographical location as well as by function. The responsibility of each work group is described below:

- Boulder County Parks and Open Space maintains the Boulder Creek path from the mouth of Boulder Canyon to Fourmile Canyon.
- The city’s Parks and Recreation Department maintenance staff is responsible for maintenance of Greenways that traverse a city park, as well as the Boulder Creek Path from Eben Fine Park to 55th Street.
- The city’s Street Maintenance is responsible for snow removal and general path maintenance (debris removal and sweeping) along all of the Greenways paths, except those portions of path maintained by the Parks Department.
- The city’s Open Space and Mountain Parks Department is responsible for maintenance of natural, environmentally sensitive, or revegetated areas on open space land and easements. Currently this includes portions of Boulder Creek east of 38th Street and Arapahoe Avenue and portions of South Boulder Creek from KOA Lake to Marshall Road.
- Flood Utility Maintenance is responsible for maintaining the flood carrying capacity of all of the Greenways channels, which primarily involves removing tree limbs and downed trees from obstructing the flow in the channels, removal of channel sediment, and bank stabilization.
- Urban Drainage and Flood Control District (UDFCD) performs maintenance on sections of Boulder Creek and all tributaries included in the Greenways Program.
- City Forestry, University of Colorado (CU), ditch companies, and Xcel Energy are also involved in maintenance along the Greenways.

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PROJECT STATUS REPORT

PROJECT NAME

Goose Creek Restoration

Project Number:

Map ID NUM:

93

DEPARTMENT: PW/ Tributary Greenways

SUBCOMMUNITY:

East Boulder

FUNDING SOURCE: Tributary Greenways

BVCP Area

Area I

PROJECT STATUS: Existing Facility - Rehab / Repair / Deficiency Correction

CEAP REQUIRED? Required

CEAP Completed:

PROJECT DESCRIPTION:

This project includes environmental restoration to the Goose Creek corridors from Foothills Hwy to the confluence of Boulder Creek and North Goose Creek. Funding is being established in order to provide matching funds for a possible federal restoration grant from the US Army corps of Engineers.

Relationship to Master Plan:

This project is consistent with the Greenways Master Plan.

Public Process Status, Issues:

The CEAP for this project will be reviewed by the Greenways Advisory Committee.

Relationship to Council Goals:

This project supports the Council goal of environmental sustainability by enhancing the stream corridor.

Relationship with Other Departments:

This project will be coordinated with the Open Space and Mountain Parks department and Flood Utility division.

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
45,000	95,000	0	0	0	0	0	0	140,000

TOTAL CAPITAL COSTS:

\$140,000

1st Year of Funding:

2003

2003 Approved funds:

\$0

Changes from past CIP: \$45,000 transferred from Fourmile Pleasantview to 28th in 2003

Ongoing annual operating costs:

0

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Elmers Two Mile Creek - Glenwood to Goose Creek

Project Number:

Map ID NUM:

94

DEPARTMENT:

PW/ Tributary Greenways

SUBCOMMUNITY:

Crossroads

FUNDING SOURCE:

Tributary Greenways

BVCP Area

Area I

PROJECT STATUS:

New Construction - Not Growth Related

CEAP REQUIRED?

Required

CEAP Completed:

PROJECT DESCRIPTION:

This project includes an off street trail connection, habitat and flood improvements.

Relationship to Master Plan:

This project is consistent with the Greenways Master Plan and the Transportation Master Plan.

Public Process Status, Issues:

The CEAP for this project will be reviewed by the Greenways Advisory Committee.

Relationship to Council Goals:

This project supports the council goal of environmental sustainability by improving off street trail connections and providing environmental restoration.

Relationship with Other Departments:

This project will be coordinated with the Flood Utility and Transportation divisions.

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
225,000	100,000	100,000	100,000	0	0	0	0	525,000

TOTAL CAPITAL COSTS:

\$525,000

1st Year of Funding:

2003

2003 Approved funds:

\$0

Changes from past CIP:

\$200K was transferred from Fourmile 26th-28th and \$25K was transferred fr

Ongoing annual operating costs:

0

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Maintenance and Weed Control

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Tributary Greenways

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Tributary Greenways

BVCP Area

System-wide

PROJECT STATUS:

On-Going Projects

CEAP REQUIRED?

Not Required

CEAP Completed:

PROJECT DESCRIPTION:

Proposed enhancements to maintenance practices along the Greenways will include weed control and maintaining the stream corridor for habitat. Specific tasks include retaining a weed consultant and summer crew, purchase of equipment, control and removal of noxious weeds, and planting of natives to discourage re-establishment of weeds.

Relationship to Master Plan:

Maintenance and weed control are important components of the Greenways Master Plan update.

Public Process Status, Issues:

Weed control efforts will begin by concentrating on lands owned and managed by the City.

Relationship to Council Goals:

Maintenance of the Greenways for habitat supports the Council goal of environmental sustainability.

Relationship with Other Departments:

The weed control plan for Greenways will be developed with input from the Open Space Department, the Parks Department, and Boulder County. Initial weed control efforts will be performed on City owned properties, therefore the projects will be coordinated with the managing department.

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
Approved Funding:								
150,000	150,000	150,000	150,000	150,000	150,000	150,000	0	1,050,000

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

2002

2003 Approved funds:

\$150,000

Changes from past CIP:

Ongoing annual operating costs:

Description:

2004-2009 CAPITAL IMPROVEMENTS PROGRAM

PROJECT STATUS REPORT

PROJECT NAME

Miscellaneous - Greenways Operating

Project Number:

Map ID NUM:

DEPARTMENT:

PW/ Tributary Greenways

SUBCOMMUNITY:

System-wide

FUNDING SOURCE:

Tributary Greenways

BVCP Area

System-wide

PROJECT STATUS:

On-Going Projects

CEAP REQUIRED?

Not Required

CEAP Completed:

PROJECT DESCRIPTION:

General administration of the program including salaries, as well as small capital projects including rest areas and signage; Habitat survey and corridor assessment; Miscellaneous trail connections and improvements; Miscellaneous stream restoration and water quality projects.

Relationship to Master Plan:

Public Process Status, Issues:

Relationship to Council Goals:

Relationship with Other Departments:

CAPITAL FUNDING PLAN

Carry Over	2004	2005	2006	2007	2008	2009	FUNDING TO COMPLETION	PLANNED FUNDING
105,000	105,000	105,000	105,000	105,000	105,000	105,000	0	735,000

TOTAL CAPITAL COSTS:

On-Going

1st Year of Funding:

on-going

2003 Approved funds:

\$105,000

Changes from past CIP:

Ongoing annual operating costs:

Description: