



2013 Annual Budget Volume II

City of Boulder, Colorado

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2013 Annual Budget–Volume II

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City of Boulder
2013 -2018 Capital Improvement Program

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Deputy MayorLisa Morzel

Council Members Suzy Ageton

KC Becker

Macon Cowles

Suzanne Jones

George Karakehian

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Director of Public Works for Transportation	Tracy Winfree*
Director of Downtown University Hill Mgmt Division/Parking Services.....	Molly Winter

* Member of the CIP Peer Review Team

City of Boulder CIP Staff Team

Financial Projects Manager (CIP Coordinator).....	James Clanton*
Planner II (CIP Coordinator)	Chris Meschuk*
Community Planning & Sustainability	Susan Richstone
Downtown & University Hill Mgmt Division/Parking Services	Donna Jobert*
Finance	Eric Nickell*
Finance	David Mallett
Fire	Frank Young
Information Technology	Beth Lemur
Open Space & Mountain Parks	Marti Hill
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Public Works/Transportation.....	Stephany Westhusin*
Public Works/Utilities.....	Ken Baird
Public Works/Utilities.....	Bob Harberg

* Member of the CIP Peer Review Team

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2013 –2018 CAPITAL IMPROVEMENT PROGRAM

HOW TO USE THIS DOCUMENT

The City of Boulder’s 2013–2018 Capital Improvement Program (CIP) contains information on how the city plans to invest available resources into key infrastructure and facilities between 2013 and 2018. This document contains planned project funding summaries organized by department, project type, and fund; detail sheets for every project and program included in the plan; maps illustrating the location of projects throughout the city; and narratives describing the rationale behind project prioritization.

Document Organization

The 2013–2018 CIP has five main parts:

- Introduction
- Funding Summaries
- Special Projects
- Department Projects
- Appendices

Introduction

The Introduction section describes the CIP development process, gives highlights of the CIP, and summarizes factors that influenced the projects included in the plan.

Funding Summaries

The Funding Summaries section contains analysis of how the 2013–2018 CIP allocates dollars among city departments, project types, and funds. Full financial detail can be found in the tables of this section.

Special Projects

The Special Projects sections highlight two major areas of concerted effort by the city in 2013: (a) Boulder Junction and (b) the first year of the Capital Improvement Bond. Each section contains a narrative describing associated projects and other highlights, as well as a map showing the location of projects. The Capital Improvement Bond section also contains expanded information about each project.

Department Projects

The department sections each contain highlights of the department’s capital projects and factors that influenced project selection. Following the narrative, the department sections contain department funding summaries, maps that identify the locations of department projects, and project sheets for each of the department’s CIP projects.

2013 –2018 CAPITAL IMPROVEMENT PROGRAM HOW TO USE THIS DOCUMENT

Appendices

The 2013–2018 CIP contains two appendices. The first appendix contains maps of CIP projects by area of the city. The second appendix contains a list of unfunded capital projects.

Data Limitations

The 2013–2018 CIP provides the funding plan (amount needed by year) for each CIP project. That is, the amounts analyzed in the document’s summary sections and in each project sheet refer to planned budget allocations (sources) instead of expenditures (uses). Only Capital Improvement Bond projects have actual and planned expenditure reporting.

Future versions of this CIP will migrate expenditure information into all sections of the document as it becomes available in the city’s financial systems. The Capital Improvement Bond section’s project sheets are a preview of how all CIP project sheets will be structured at a later point in time.

How to Read Project Financial Data

The 2013–2018 CIP features a new layout for project information. In particular, each project’s Capital Funding Plan table has a new format compared to what was used in previous CIPs. The new format of the table brings the CIP in line with formats used to convey financial information in the city’s Operating Budget (Volume I, of the Annual Budget).

The Capital Funding Plan section of the project sheets now consists of three tables:

- Estimated Total Cost
- Capital Funding Plan
- Unfunded Amount

Figure 0–01 shows an example of the new tables. The *Estimated Total Cost* table shows the total estimated cost of completing the project. If a project sheet does not have a total cost, then the sheet is for an ongoing program, and the total cost variable has been omitted.

For most projects in the CIP, the *Capital Funding Plan* table shows total allocated dollars to the project prior to 2013 and for each year between 2013 through 2018. However, on–going programs, because they have typically received funding for many years before 2013, do not have information about allocated funding prior to 2013. On–going programs also do not have total cost information. Both blank fields focus the CIP on the coming six years of planned improvements for each on–going program, and by doing so, the CIP does not expect the on–going program to account for prior improvements or future improvements well beyond the CIP’s planning horizon that ends in 2018.

2013 –2018 CAPITAL IMPROVEMENT PROGRAM HOW TO USE THIS DOCUMENT

The *Unfunded Amount* shows the total project cost from the *Estimated Total Cost* table less the Total Funding Plan from the *Capital Funding Plan* table. The unfunded amount for projects typically represents amounts that will be funded in years beyond the current planning horizon of the CIP.

Figure 0–01: Sample Capital Funding Plan Table

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,500,000	Project Cost Total	\$1,500,000
		Funding Total	(\$1,500,000)
Total Project Cost	\$1,500,000	Total Unfunded	\$0
Capital Funding Plan			
Funding Prior to 2013	\$0		
Six Year Funding Plan			
2013	\$0		
2014	\$0		
2015	\$0		
2016	\$500,000		
2017	\$500,000		
2018	\$500,000		
Subtotal	\$1,500,000		
Total Funding Plan	\$1,500,000		

City of Boulder
INTRODUCTION

2013–2018 Capital Improvement program

The City of Boulder’s Capital Improvement Program (CIP) is a six–year plan for maintaining and enhancing public infrastructure by correcting current facility deficiencies and constructing new service delivery infrastructure. The CIP provides a forecast of funds available for capital projects and identifies all planned capital improvement projects and their estimated costs over the six-year period.

Boulder has invested significant resources in public infrastructure over many years to provide its current level of municipal services. The city owns and maintains 330 buildings, 1,770 acres of parkland, 289 centerline miles of streets, three water treatment facilities, 45,405 acres of Open Space, and 700 miles of water and waste water piping. The city funds the construction and maintenance of these facilities using a wide range of sources, including dedicated tax revenues, bond proceeds, and fees. The CIP development process prioritizes the city’s numerous capital needs, bearing in mind the limits of each funding source and the funding commitments made by prior CIPs and progress made by project teams who design and build the improvements.

The CIP is a comprehensive, six–year funding plan of all city capital priorities. The city has 16 departments with numerous funding sources that, depending on the year, may potentially be represented in the CIP. To create a citywide understanding of which projects are chosen for inclusion in the CIP, and to ensure individual department priorities for CIP funding are aligned with city goals, the City developed nine CIP Guiding Principles to shape capital planning decisions made throughout the CIP process. Figure 1–1 lists the CIP Guiding Principles.



Construction of Central Park, 1929. Photo Courtesy the Carnegie Branch Library for Local History

The 2013–2018 CIP includes total funding of \$217.80 million for 140 projects. 61 projects are recommended for funding in 2013, for a one year total of \$33.77 million. When Capital Investment Bond funding is included (see page 69 for an explanation of this voter approved measure), the six–year total is \$266.80 million. Detailed summaries of CIP funding by department and project type are in the Funding Summaries section following this introduction.

CIP Process

The annual CIP process can be divided into three parts: Planning, Project Review, and Board Review/City Council Adoption. In each part, the responsibility for coordinating the process citywide is shared by the city’s Department of Community Planning & Sustainability and the Department of Finance.



Figure 1–1: CIP Guiding Principles

The City of Boulder develops a Capital Improvement Program (CIP) that addresses the ongoing major business needs and maintenance and repair of city assets as well as enhancements and expansion called for in the Boulder Valley Comprehensive Plan. The CIP is a strategic document that assures that the municipal organization maintains a strong bond rating, implements community values, and has fiscal integrity. The City prioritizes its investments both across and within funds based on the following guiding principles:

- 1. Capital Improvement Programs should be consistent with and implement Council–accepted master plans and strategic plans.**
- 2. Capital Improvements should achieve Community Sustainability Goals:**
 - Environmental – sustainable materials, construction practices, renewable resources, etc.
 - Social – enhancements that improve accessibility to city services and resources provided to the community
 - Economic – effective and efficient use of public funds across the community.
- 3. As potential capital investments are identified, the city must demonstrate in the CIP process that there are sufficient funds to operate and maintain the project or program.**
- 4. Capital Improvement Programs should provide enough capacity and flexibility in our long–term planning to be able to respond to emerging, unanticipated needs.**
- 5. Capital Improvement Programs should maintain and enhance the supporting city–wide “business systems”, such as information and finance systems, for the city over the long–term.**
- 6. Capital Improvement Programs should sustain or improve maintenance of existing assets before investing in new assets.**
- 7. Capital improvements should:**
 - Meet legal mandates from federal, state, or city levels
 - Maintain or improve public safety and security
 - Leverage external investments
 - Promote community partnerships
 - Reduce operating costs and improve efficiency.
- 8. Capital programming should maximize efficiency of investments demonstrated by measurable cost/benefit analyses and coordination of projects across departments within and across funds.**
- 9. The Capital Improvement Program should provide sufficient reserves to allow for a sound fiscal foundation with benefits that include:**
 - A strong bond rating
 - The ability to address emergencies and natural disasters.



Planning

The first phase of the CIP process is the planning process that identifies and prioritizes the needs of the community. This is done through the Boulder Valley Comprehensive Plan, Subcommunity and area plans, and departmental master plans.

The Boulder Valley Comprehensive Plan (BVCP) is the overarching policy document for the city, and outlines the vision and policies for growth, development and preservation within the valley. The BVCP includes specific policies on the orderly and efficient provision of urban facilities and services, as well as standards for urban services. As defined in the BVCP, subcommunity and area plans provide more detailed planning for land use, urban design, neighborhood revitalization, and public facility needs for a specific area of the city.

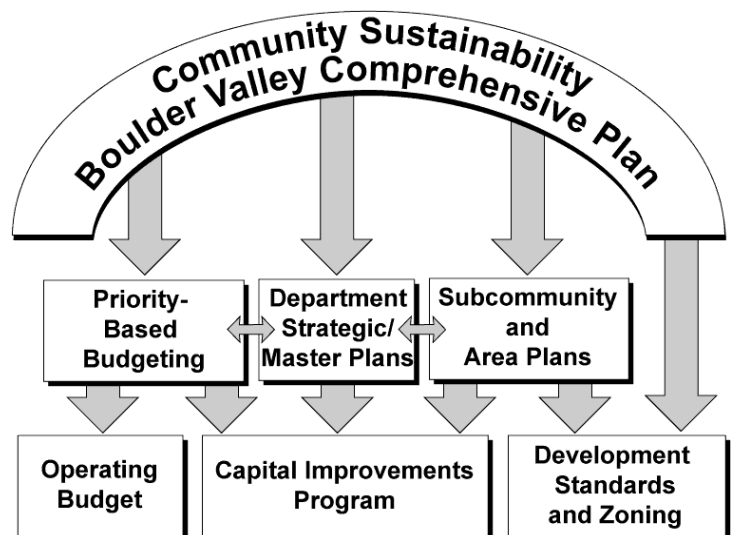
Departmental master plans include details on necessary projects and a funding plan for the future provision of services and facilities. Master plans are developed to be consistent with the policies and the growth projections in the BVCP and typically include level of service standards needed to meet BVCP goals, policies and system-wide priorities, which in turn help determine the scheduling and prioritization of capital improvements. Master plans are used by the city during the annual budget process to identify and prioritize projects. Figure 1–2 illustrates the relationship between the CIP and the BVCP, Master Plans, Subcommunity Plans, and Area Plans.

Project Review

The second phase engages each department proposing projects for the CIP in a citywide review process. The first step in this process is a CIP Information Sharing Meeting held in the beginning of the year. This meeting provides an opportunity for departments to discuss projects and proposed changes to their prior year projects as they relate to each other and as they may be impacted by planned private development throughout the City.

Following the CIP Information Sharing Meeting, the departments add, update, and revise proposed CIP projects and submit this information for review by the CIP Peer Review Team (PRT). The PRT is a multi-department staff committee that is tasked with reviewing proposed CIP projects for coordination, major policy or budget concerns, and consistency with the CIP Guiding Principles. PRT comments are relayed back to departments for consideration as the departments prepare their proposed projects for the CIP.

Figure 1–2: Relationship Between Plans and the CIP





After the PRT’s review of projects, the city’s Executive Budget Team also reviews the project information and provides feedback to departments before departments propose projects for inclusion in the draft CIP.

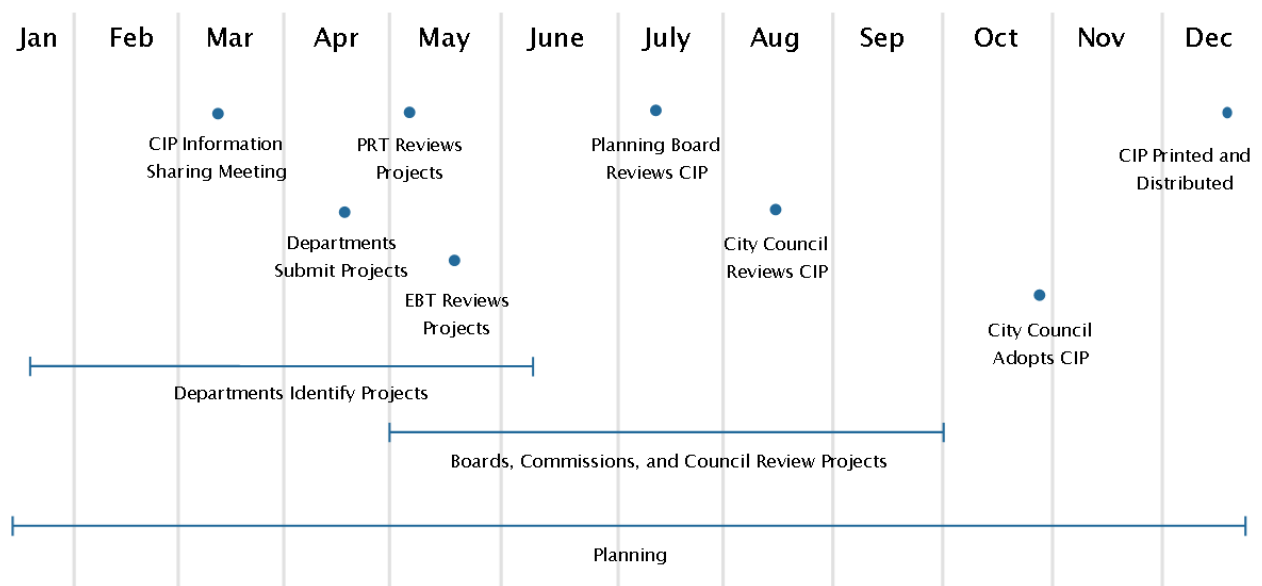
Board Review and City Council Adoption

The final phase in the CIP process involves the review of the draft CIP by department advisory boards, the Planning Board, and City Council. Department advisory boards review their department’s proposed CIP projects throughout the late spring and early summer and make recommendations to the Planning Board and City Council.

Section 78 of the City Charter calls for the city Planning Department to prepare the annual CIP with other city departments for submittal to the City Manager. The Planning Board evaluates and makes recommendations to the City Manager and City Council on the draft CIP as part of the annual budget process. The Planning Board’s review of the CIP includes the relationship of projects to the policies of the BVCP, subcommunity plans, area plans and departmental master plans.

City Council reviews the draft CIP in August, and provides feedback to the City Manager prior to final budget development. The City Council appropriates funds for the first year of the CIP in its budget ordinances each year. While Colorado state law limits appropriations to the first year of the CIP, the succeeding five years of the annual CIP are important in providing a longer-term plan for setting funding priorities, scheduling projects in a logical sequence, and coordinating and targeting capital improvements for all city departments.

Figure 1–3: Annual CIP Timeline





Challenges

Each year, as the CIP is being updated, City Council, advisory boards, and staff consider technical, environmental, and financial challenges that could potentially limit the ability of the city to fund its priority projects. Challenges being identified in the 2013–2018 CIP include revenue reduction, construction cost inflation, new infrastructure requiring operational funding, unfunded projects, and expiring revenues.

Revenue Reduction

The recessions that occurred starting in 2001 and 2008 were of such magnitude that capital funding for needs in areas such as the general fund, which do not have dedicated capital funding sources, were minimized.



New city street cleaner, 1926. Photo Courtesy the Carnegie Branch Library for Local History

Construction Cost Inflation

The cost of construction continues to rise. The *Engineering News Record* Construction Cost Index for Denver and the Colorado Department of Transportation Colorado Construction Cost Index indicate that construction costs are escalating at a rate of 4%, based on a five year rolling average. Previous budget cycles used a 3% cost inflation rate. A higher cost escalator will reduce the amount of work that can be done with planned revenues, in particular, over the planning horizon of the CIP.

New Infrastructure Requires Operational Funding

While the dedication of certain funding streams by the voters has provided stable funding for some capital needs, these revenues have not always provided sufficient funds to support costs. For some projects, sufficient capital funds have been accumulated to build the project, but insufficient operating dollars have put the project on hold until ongoing funding can be identified.

Unfunded Projects

The city continues to have a large number of unfunded needs. As part of the City's Capital Investment Strategy that led to the ballot measure on the 2011 Capital Improvement Bond, departments were asked to provide a comprehensive list of unfunded needs. The CIP process will continue to collect and analyze current needs, unfunded needs and the related operating costs associated with capital improvements.

Expiring Revenues

Over the next three years, the city faces the two expiring revenues. Its Climate Action Plan tax expires in 2012, and the Parks and Recreation .25% sales tax is set to expire in 2015. If these revenues are not renewed by voters, the reduction in available resources could impact planned CIP funding in selected categories.



Opportunities

Similar to the challenges facing capital funding each year, there are issues that are positively impacting the city's capital investment performance. Opportunities identified in the 2013–2018 CIP include the Capital Investment Strategy, a new role for the CIP Peer Review Team, and local market conditions characterized by lower bids and low inflation.

Capital Investment Strategy

The city continuously evaluates its services and programs to find ways to continue to better provide core and enhanced services to residents and businesses. The Blue Ribbon Commission I (BRC I) report highlighted that some of the greatest identified critical deficiencies were in building maintenance and replacement, fire apparatus replacement, and major software replacement.

The CIP covers projects identified for funding each year, there remains a large list of unfunded capital projects in various master plans. In an effort to evaluate expanded investment in the city's capital infrastructure, a Capital Investment Strategy (CIS) was created. The strategy utilized funding from de-Bruce revenues, funding that recently retired capital debt, revenues from the original rate of accommodations tax, and other budget savings.



In 2011, voters approved Measure 2A and authorized the city to use these revenues to repay up to \$49 million in bonds funding the highest priority capital needs. The new infusion of capital funding will address numerous citywide significant deficiencies and some high priority action items. While the bond measure will help the city catch up on many significant deficiencies and some high-priority action items, long-term funding challenges remain. For more information, see the special highlight section on the Capital Improvement Bond.

The CIS Round 1 and Round 2 processes provide multiple benefits to the city including enhanced coordination across departments, refining priorities across the city and generating input from community members. The city is committed to quality and timely implementation of the Capital Improvement Bond (Round 1) projects, building credibility and confidence in the community as well as to apply lessons learned to future prioritization efforts, Master Plan updates, and the Civic Area plan.

CIP Peer Review Team

In early 2012, the CIP Peer Review Team (PRT) was created to assist departments with the prioritization of projects with a focus on the following three methods:

- Institutionalize the use of the CIP Guiding Principles (See Figure 1–1)
- Implement incremental steps that to better structure or define the CIP and CIP process
- Identify potential major budget issues, city-wide policy issues, opportunities for project coordination, and major project conflicts.



The PRT puts the resulting CIP on a foundation better aligned with citywide priorities. A key benefit of the PRT is the expansion of future opportunities for different types of projects to be included in the CIP, projects for which funding was not available in prior years. Furthermore, the PRT is striving to apply lessons learned from the CIS to consider capital projects across the city business and service areas.

Lower Bids/Low Inflation

The downturn in the cost of construction projects experienced in the past two years has helped stretch the dollars that have been allocated to capital projects and programs. For example, in 2006, bids for the per foot price for waterline replacement came in at \$128.97. In 2012, the price was \$105.46.

2012 Accomplishments

The city anticipates completing a significant number of capital projects in 2012, and details are provided below. Further details on accomplishments are listed in the department overviews. In 2011, voters approved the sale of up to \$49 million of Capital Improvement Bonds to fund multiple capital needs throughout the city. Projects funded with these bonds are included in this list and discussed in more detail in the Capital Improvement Bond section.

Downtown and University Hill Management Division/Parking Services

- Completed signage program for five garages in the Central Area General Improvement District
- Completed concrete floor improvements at 15th and Pearl Garage
- Improved landscaping at Downtown 14th street parking lots
- Completed Downtown/Pearl Street Mall Improvements and Amenities Replacement, including irrigation system work, upgrades to the 1400 block map, resurfacing of the children's play area, and establishment of a replacement fund for the pop jet fountain.

Facilities and Asset Management

- Completed major roofing projects at East Boulder Community Center and the Public Safety Building
- Completed Carnegie Library exterior repairs
- Completed locker room renovations and asbestos abatement at Fire Station #1
- Completed HVAC repairs in all fire stations
- Completed New Britain building interior renovations
- Finished interior improvements to the Municipal Building
- Completed Valmont Butte voluntary cleanup .



Illustration of proposed Garage signage program



Carnegie Branch Library for Local History



Facilities and Asset Management, cont.

- Completed elements of the Phase 3 Energy Performance Contract such as solar photovoltaic systems at the Municipal Service Center, Fleet Services, OSMP annexes, and The Dairy Center for the Arts
- Completed the installation of smart electric vehicle charging systems at the North and South Boulder Recreation Centers.

Information Technology

- Began replacement process for citywide financial management, human resources, customer relationship management software and the city website.

Open Space and Mountain Parks

- Implemented multiple West Trail Study Area projects such as work on trails, trail heads, and signage
- Completed design on Community Ditch Trail Crossing of SH 93
- Finished construction of Green Ditch fish passage structure.
- Implemented elements of Grassland Plan
- Installed new roofs at Annex and Ute office buildings
- Completed multiple repairs to multiple cultural resources.

Parks and Recreation

- Completed multiple park shelter replacements/improvements such as installing shelters at Valmont City Park and Foothills Dog Park
- Enacted Columbia Cemetery upgrades/enhancements
- Completed multiple park and recreation facility renovations
- Completed improvements to the Boulder Reservoir infrastructure
- Replaced the Urban Parks Computerized Irrigation system and Playground and Irrigation System
- Completed phase IA of Valmont City Park including dog park renovations, interim disc golf course, remaining bridge structures, park shelters, and landscape and irrigation improvements
- Completed renovations to East Boulder Community Center Locker Room and ADA Upgrades
- Completed multiple ADA Compliance improvements.
- Completed improvements to the Scott Carpenter Skate park fence.



Hedgecock Shed Repairs



Construction of a bridge at Valmont City Park



Construction of the Broadway underpass at Euclid Avenue



Transportation/Airport

- Completed Broadway, Euclid to 18th improvements
- Installed new multi-use paths on Arapahoe Avenue, Fourmile Canyon Creek, and 28th St.
- Installed new sidewalk on Linden Avenue
- Completed various transit stop improvements throughout the city, including bus pads and other bus stop amenities and meeting Americans with Disabilities Act (ADA) design guidelines
- Completed the improvements on Pearl Parkway in coordination with Boulder Junction improvements
- Rehabilitated East Aircraft Parking Ramp at Boulder Municipal Airport.

Greenways

- Completed Fourmile Canyon Creek improvements.

Utilities

- Replaced deteriorated pipes.
- Completed renovations to Chautauqua Water Storage Tank.
- Completed work on the Boulder Canyon Hydroelectric Modernization Project
- Completed remediation work at Kossler Reservoir
- Completed Nutrient Compliance Study.



Boulder Canyon Hydroelectric Facility

2013 Planned Construction

The city anticipates completing a significant number of additional projects in 2013, details for which are provided below. Additional details on these projects are listed in the overview section of each department. Capital Improvement Bond projects are included in this list.

Downtown and University Hill Management Division/Parking Services

- Continue CAGID Garage major maintenance
- Begin downtown 14th Street parking lots repair and replacement
- Continue Downtown/Pearl Street Mall improvements and amenities replacement.

Facilities and Asset Management

- Renovate Scott Carpenter Pool Locker Rooms
- Replace Harbeck House roof and gutter system
- Rebuild Municipal Building flood gates
- Provide access improvements to Downtown Campus Facilities



Open Space and Mountain Parks

- Implement multiple West Trail Study Area projects
- Complete repairs to multiple cultural resources.

Parks and Recreation

- Complete park shelter replacements/improvements at North Boulder Park, Crestview Park, Wonderland Park, and Pleasant View Sports Complex
- Complete Elks Neighborhood Park.

Transportation/Airport

- Complete 14th and Walnut Transit Facility Improvements
- Complete South Boulder Road and Manhattan traffic signal and associated improvements
- Begin and/or complete key transportation improvements associated with Boulder Junction such as: Pearl Parkway multiway boulevard, electric line undergrounding, intersection improvements, Junction Place and the bridge over Goose Creek.

Greenways

- Complete Goose Creek Restoration Project.

Utilities

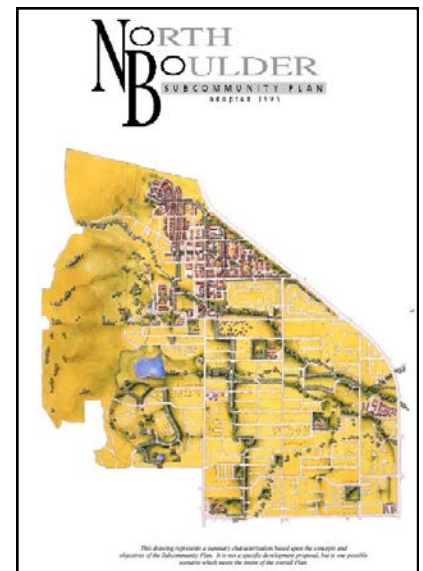
- Complete major renovations at the Wastewater Treatment Facility.

Implementation of Subcommunity and Area Plans

North Boulder Subcommunity Plan

The North Boulder Subcommunity Plan (NoBo Plan) was adopted by the city in 1995 and amended in 1996 and 1997, and covers 2,300 acres. Its creation was precipitated by the significant amount of development and redevelopment that was expected in North Boulder which, at the time, contained nearly half of the city's vacant residential land and several prominent vacant or under-developed commercial sites.

Much of the planning area has now been developed or is approved for development, and a significant number of capital improvements have been made in the area, including installation of bike lanes and bike paths throughout the subcommunity, and installation of Violet Park west of Broadway. Foothills Community Park has been developed. Three neighborhood pocket parks have been acquired and flood and greenway improvements have been made to implement the plan.



North Boulder Subcommunity Plan



Proposed capital improvements in the next six years include:

- Development of Elks Neighborhood Park, coordinated with Greenways and Flood Improvements along Fourmile Canyon Creek
- Wonderland Creek Flood and Greenways Improvements
- Flood and Greenways improvements along Fourmile Canyon Creek.

Boulder Junction

The Boulder Junction area includes the Transit Village Area Plan (TVAP), adopted by the city in 2008, which covers 160 acres. The area is located in the geographic center of the community, and was developed in anticipation of significant redevelopment due to the development of new RTD bus and rail transit stations, development of city-owned property as a transit-oriented mixed use neighborhood, and revitalization of the former Crossroads Mall into Twenty Ninth Street. Implementation of the plan has just begun, with the first two private development projects in review or approved by the city.

Proposed capital improvements in the next six years include:

- Enhancements to be coordinated with development projects
- Construction of Junction Place north and south of Pearl Parkway
- Boulder Junction pocket park
- Redevelopment of Pearl Parkway into a multi-way boulevard
- Construction of the bridge over Goose Creek
- Installation of new traffic signals.

Additional information on Boulder Junction can be found in its own Special Highlights section.

Gunbarrel Community Center Area Plan

The Gunbarrel Community Center Plan was adopted in 2004, and amended in 2006. The purpose of the Gunbarrel Community Center Plan is to provide a blueprint for the Gunbarrel commercial area that will result in a viable and vibrant, easily accessible, pedestrian-oriented center to serve the Gunbarrel subcommunity.



Rendering of the approved Gunbarrel Town Center

The Gunbarrel Town Center project has been approved, which is a key implementation step for the plan. A total of 251 residential housing units and 22,000 square feet of non-residential space will be constructed. Several public infrastructure improvements will be constructed by the developer in conjunction with this project, including:

- A multi-use path along Lookout Road
- A new street connecting Lookout Road and Gunpark Drive with on-street parking.



Downtown Boulder

The final report of the Downtown Alliance in 1997 articulated a vision for Downtown Boulder. While significant private and public investment has occurred since that time, continued investments in the Downtown are needed to ensure that the area remains a primary community gathering place, business and commercial center, and tourism attraction.

Investments made in the Downtown are an inter-departmental effort. In the next six years, the following investments are planned:

- Ongoing parking garage maintenance
- 14th Street Parking lot improvements
- Streetscape enhancements leading to Pearl Street
- Pearl Street Mall irrigation.

Projects Recommended for CEAP

The City of Boulder assesses potential impacts of conceptual project alternatives in order to inform the selection and refinement of a preferred alternative. The evaluation of these alternatives is known as a Community and Environmental Assessment Process or CEAP.

CEAP reviews are prepared when projects are in the site location and facility design phase. The primary purpose of the CEAP is to encourage the consideration of potential social and environmental impacts in planning and decision making and, ultimately, to arrive at actions that achieve the objectives of the project with the fewest impacts. The intent of the CEAP is to make project planning more efficient by considering issues in advance of implementation.

All CEAPs include an analysis of the project and alternatives, including how the project will further implement the BVCP, master plan goals, or subcommunity or area plans. The alternatives are then analyzed through a checklist of impacts to: natural areas or features, riparian areas/floodplains, wetlands, geology & soils, water quality, air quality, resource conservation, cultural/historic resources, visual quality, safety, physiological well-being, urban services, special populations, and the economy.

The Appendix to Title 2 of the Boulder Revised Code instructs that major capital improvement projects should be handled in accordance with the City Plans and Projects Handbook, dated November 2007.

The 2007 Handbook provides that a project should be evaluated through a CEAP if it meets any of the following criteria:

- A project or a potential alternative could have a significant impact on an environmental, social, or cultural resource and the project would benefit from a CEAP;
- The project is anticipated to generate enough neighborhood or community input to require a public hearing or board review;



- There is more than one possible conceptual alternative that will require staff or community input in the selection; or
- The project requires alternatives analysis as part of internal or external permitting and review processes at the local, county (1041), state, or federal level (NEPA).

An internal city CEAP should be performed prior to submitting for a local permit or to the external agency. Annually, the list of Capital Projects is reviewed by the internal city CEAP review group, and the group discusses projects that may need a CEAP. Projects that require Concept and Site Plan Review do not go through the CEAP and are not reviewed by the CEAP Review Group.

CEAP findings are submitted by departments to their respective advisory board for review as part of CIP project approval. For those departments that do not have an advisory board, the Planning Board is responsible for reviewing CEAP findings as part of project approval. Council has the opportunity to call up projects for their review and approval.

The following capital improvement projects proposed for funding in the 2013–2018 CIP are recommended to complete a Community and Environmental Assessment Process (CEAP).

Parks and Recreation Department

- Elks Neighborhood Park (*in conjunction with Fourmile Canyon Creek Flood Mitigation*) (Page 267) (*CEAP Completed 2011*)

Open Space & Mountain Parks Department

- Historical Structures and Trails – Stabilization & Restoration * (Page 228)
- Visitor Infrastructure – System Wide * (Page 240)

Transportation Division

- 28th Street (Baseline to Iris) (*CEAP completed 2001*) (Page 304)
- 28th St. Path Improvements: Iris to Yarmouth (Page 308)
- Baseline Underpass: Broadway to 28th (Page 310)
- Pearl Parkway Multi-Use Path: 30th to Foothills (Page 334)

Utilities Division/Greenways

- Barker Dam Hydroelectric & Dam Outlet (Page 422, 424)
- Boulder Slough (Page 364)
- Fourmile Canyon Creek at Crestview & 19th Street (Page 202)
- Fourmile Canyon Creek Upland to Violet (Page 204)
- NCWCD Carter Lake Pipeline & Hydroelectric (Page 458)
- South Boulder Creek Flood Mitigation Improvements (Page 370)
- Upper Goose Creek Drainage Improvements (Page 380)
- Witemeyer Ponds* (Page 472)

**As the scope of work is defined the necessity of a CEAP or other public review will be determined.*



Utilities Division/Greenways, cont.

- Wonderland Creek Foothills to 30th St (Page 384)
- Wonderland Creek at 28th Street (Page 386)

CIP Process Changes and Roadmap

Over the past three years, changes were steadily made to the CIP to improve how the CIP is developed and presented. During creation of the 2011–2016 CIP, the city revised and restructured the document, and developed guiding principles to influence the selection of projects. These principles addressed a long-term approach to improving and sustaining the quality of city assets and establish a universal system of capital project evaluation and prioritization across the organization. Rather than focusing only on new projects, the principles prioritize investing first in existing assets.

Improvements continued during the creation of the 2012–2017 CIP with the increased utilization of the Guiding Principles across the organization, the incorporation of budget appropriation information in the document, and the development of a more comprehensive unfunded project list. The City also developed a practical funding strategy for funding major capital needs through the issuance of the \$49 million Capital Improvement Bond.

Process improvements have continued with the development of the 2013–2018 CIP. To improve the connection between the CIP and the Operating Budget, financial information was aligned with practices used in the Operating Budget. In addition, a CIP Peer Review Team was also created to review all CIP projects. This interdepartmental staff committee was tasked with reviewing the draft CIP through the following lenses:

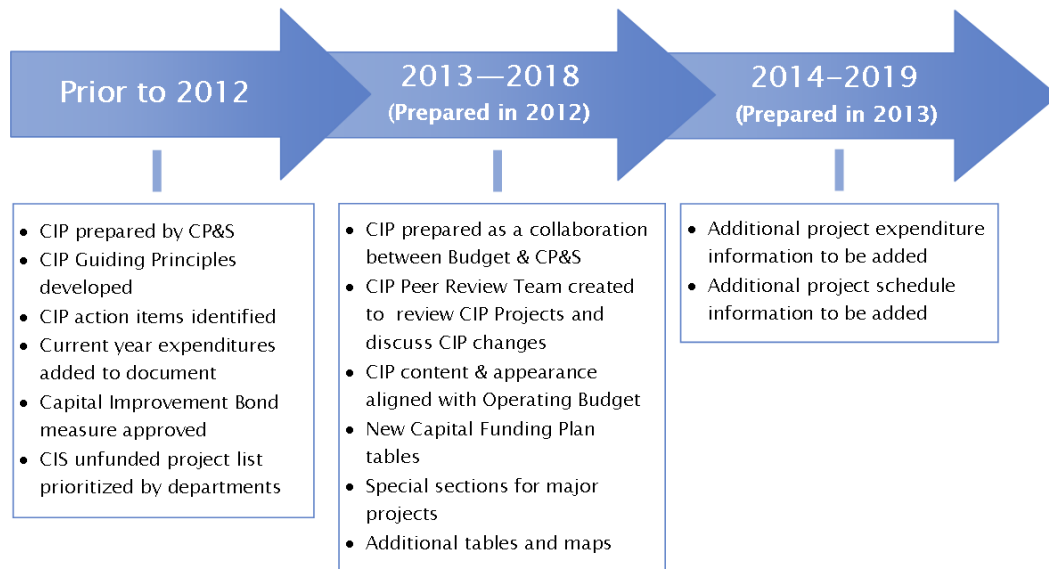
- Continue to institutionalize the use of the CIP Guiding Principles;
- Consider and implement incremental steps to better restructure or define the CIP and CIP processes; and
- Identify potential major budget issues, city-wide policy issues, opportunities for project coordination, and major project conflicts.

The CIP PRT met multiple times throughout the spring and early summer of 2012 to review the proposed 2013–2018 CIP projects and to discuss new features and enhancements for the plan. Other changes in the 2013–2018 CIP include new layouts for the Capital Funding Plan tables within project information sheets, special sections to highlight major initiatives such as the Capital Improvement Bond and Boulder Junction, and additional tables and maps to present a richer collection of project information.

The city will continue to make improvements to the CIP in future years. Changes planned for the 2014–2019 CIP include the addition of project expenditure and schedule information (see Figure 1–4).



Figure 1–4: CIP Process Changes Roadmap



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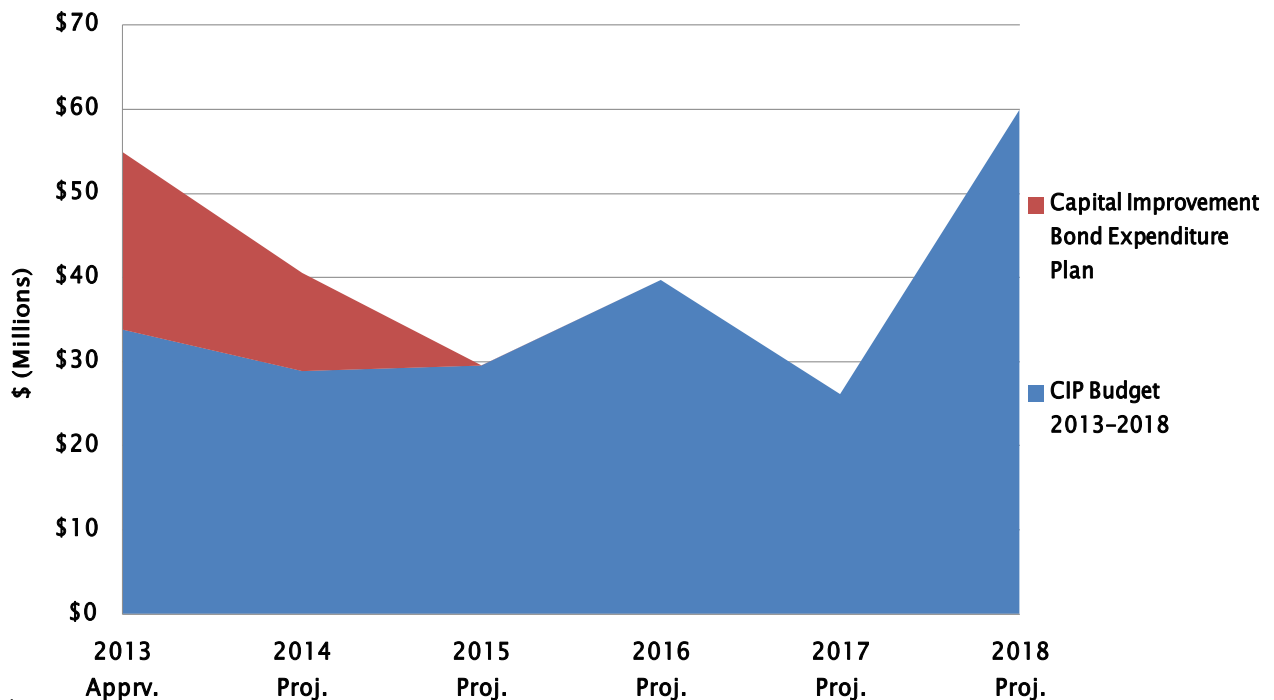
City of Boulder
FUNDING SUMMARIES
 2013–2018 Capital Improvement program

The Funding Summaries section provides full detail of the city’s CIP budget needs from 2013 through 2018 by department, project type, and fund. For each of the three funding views, the following information is shown:

- Total project cost
- Planned funding allocation in each year 2013–2018 and the six–year total
- Prior funded amount
- Unfunded amount

The Funding Summaries focus on estimated budget needs (sources) for all projects. The CIP this year shows limited instances of planned or actual expenditures at a project, department, or fund level. In practice, as projects are planned, designed, and constructed, during any given year, appropriated project sources almost always differ from project expenditures. In some circumstances, such as a large project that requires many years of accumulated funds before design or construction can commence, expenditures may significantly lag appropriations. Future CIPs will migrate expenditure data as it becomes available into project sheets and the Funding Summary section.

Figure 2–1: Total CIP Funding by Year¹



Notes:

¹ The Red area is the 2013–2015 portion of the \$49 million in Capital Improvement Bond funds. These bonds were sold and funding appropriated in 2012. The blue area is planned allocations of 2013–2018 funding for all other projects.



Figure 2-1 shows total CIP funding for 2013 through 2018. Slightly higher funding is appropriate in 2013 is because of Federal transportation grants. The increase in funding in 2016 is associated with planned work at the Betasso Water Treatment Facility, and the increase in 2018 is associated with work being performed on both the Carter Lake Pipeline and Barker Dam.



City of Boulder
FUNDING BY DEPARTMENT
2013–2018 Capital Improvement program

The following city departments are participating in the 2013–2018 CIP:

- Downtown / University Hill Management Department (DUHMD)—Parking Services
- Information Technology (Information Services)
- Open Space and Mountain Parks (OSMP)
- Parks and Recreation
- Public Works (PW) – Facilities Asset Management (FAM) and Fleet
- PW–Municipal Airport
- PW—Stormwater and Flood Management Utility
- PW–Transportation
- PW–Greenways
- PW–Wastewater Utility
- PW–Water Utility

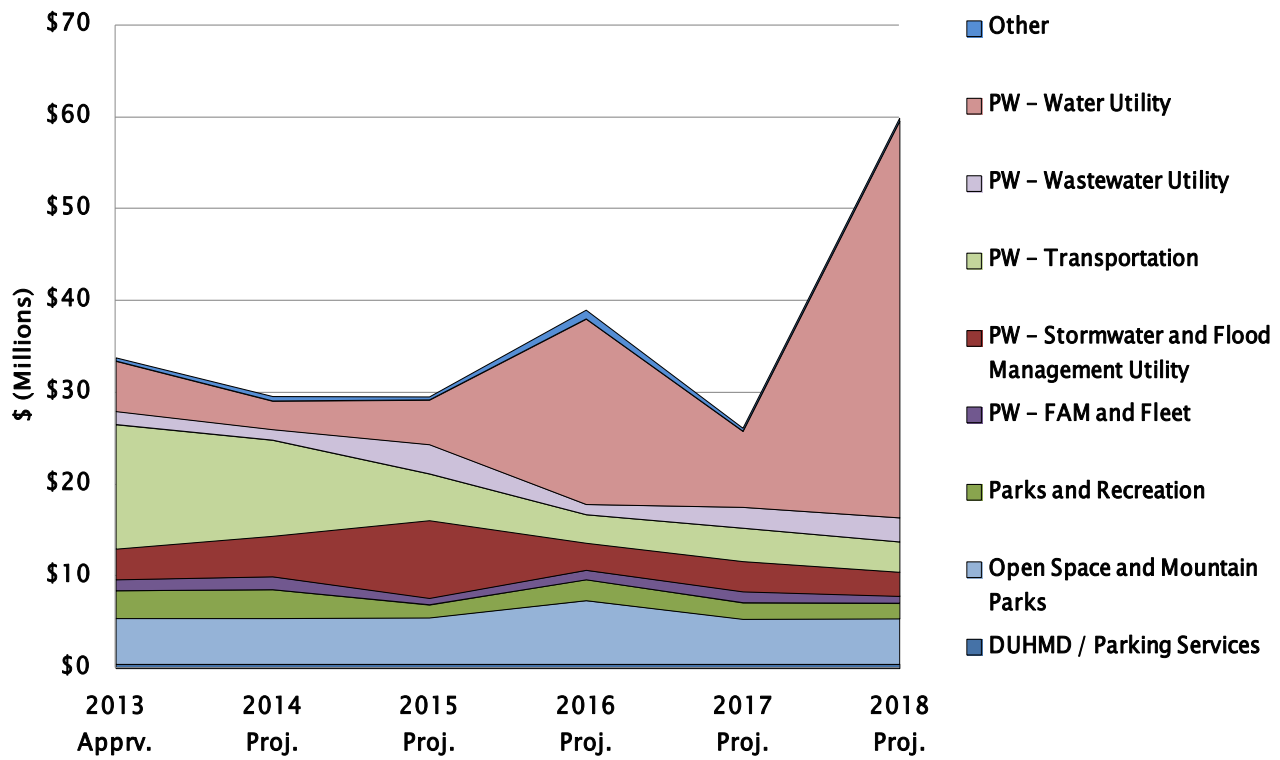
The Water and Wastewater Utility departments have the greatest allocations of resources in the 2013–2018 CIP. Major renovations to water facilities are primarily responsible for the large spikes in allocations during 2016 and 2018. Transportation also has a large allocation of CIP investment. The spikes in 2013 and 2014 for this department are associated with federal transportation grants.

Many departments have dedicated revenue sources that keep their CIP funding relatively constant. For example, both Open Space & Mountain Parks and Parks & Recreation have dedicated revenue sources, and their CIP funding remains relatively constant throughout 2013–2018.

Figure 2–2 displays the share of total 2013–2018 CIP spending on each department.



Figure 2-2: 2013-2018 Funding by Department



Other includes IT, Greenways, and Airport.

Table 2-1: 2013-2018 Funding Summary By Department

SUMMARY OF ALL DEPARTMENTS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
DUHMD / Parking Services	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -
Information Technology	135,000	-	135,000	-	-	-	-	135,000	-	-
Open Space and Mountain Parks	2,400,000	5,043,000	5,043,000	5,105,300	6,955,300	4,955,300	5,005,300	32,107,200	811,184	-
Parks and Recreation	13,146,236	2,974,688	3,087,000	1,380,400	2,255,700	1,755,400	1,649,400	13,102,588	2,305,548	600,000
Public Works - FAM and Fleet	5,138,000	1,220,000	732,000	750,000	1,751,000	1,230,000	800,000	6,483,000	132,000	50,000
Public Works - Municipal Airport	631,579	-	-	-	631,579	-	-	631,579	-	-
Public Works - Stormwater and Flood Management Utility	72,468,489	3,347,500	4,419,500	8,442,380	2,966,175	3,290,923	2,616,659	25,083,137	4,049,122	48,571,840
Public Works - Transportation	53,661,727	13,522,500	10,432,500	5,073,500	3,096,500	3,628,500	3,296,500	39,050,000	27,182,736	-
Public Works - Greenways	10,465,000	345,000	345,000	320,441	320,441	320,441	320,441	1,971,764	390,000	200,000
Public Works - Wastewater Utility	15,421,495	1,450,000	1,174,000	3,198,960	1,117,404	2,270,970	2,617,993	11,829,327	950,000	2,642,168
Public Works - Water Utility	98,897,069	5,469,598	3,090,000	4,843,835	20,174,780	8,255,269	43,175,300	85,008,782	1,653,726	16,022,196
Total	\$ 272,364,595	\$ 33,772,286	\$ 28,858,000	\$ 29,514,816	\$ 39,668,879	\$ 26,106,803	\$ 59,881,593	\$ 217,802,377	\$ 37,474,316	\$ 68,086,204

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

DOWNTOWN AND UNIVERSITY HILL MANAGEMENT DIVISION (DUHMD) / PARKING SERVICES

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab / Repair / Deficiency Correction										
Downtown 14th Street Parking Lot Improvements	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,000	\$ -	\$ -
Downtown Parking Garage Major Maintenance	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	-	-
Downtown/Pearl St Mall Amenities Replacement	-	125,000	125,000	125,000	125,000	125,000	125,000	750,000	-	-
Subtotal	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -
Total	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -

INFORMATION TECHNOLOGY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements/Upgrades										
JSI Upgrade	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -
Subtotal	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -
Total	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

OPEN SPACE AND MOUNTAIN PARKS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair/Deficiency Correction										
South Boulder Creek Instream Flow	\$ 2,400,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ 2,350,000	\$ 50,000	\$ -
Subtotal	\$ 2,400,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ 2,350,000	\$ 50,000	\$ -
Land Acquisition										
Acquisition Program - On-Going Project	\$ -	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 20,400,000	\$ -	\$ -
Mineral Rights Acquisition - On-Going Project	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	261,184	-
Water Rights Acquisition - On-Going Project	-	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	-	-
Subtotal	\$ -	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 22,200,000	\$ 261,184	\$ -
New Construction - Not Growth Related										
OSMP North Trail Study Area (NTSA)	\$ -	\$ 50,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 550,000	\$ -	\$ -
OSMP West Trail Study Area (WTSA)	-	450,000	450,000	450,000	450,000	450,000	450,000	2,700,000	500,000	-
OSMP East Trail Study Area (ETSA)	-	-	-	50,000	100,000	100,000	100,000	350,000	-	-
OSMP South Trail Study Area (STSA)	-	-	-	-	-	50,000	100,000	150,000.00	-	-
Subtotal	\$ -	\$ 500,000	\$ 550,000	\$ 600,000	\$ 650,000	\$ 700,000	\$ 750,000	\$ 3,750,000	\$ 500,000	\$ -
On-Going Projects										
OSMP - Historical Structures & Trails - Stabilization & Restoration - On-Going Project	\$ -	\$ 343,000	\$ 343,000	\$ 355,300	\$ 355,300	\$ 355,300	\$ 355,300	\$ 2,107,200	\$ -	\$ -
Visitor Infrastructure - System Wide - On-Going Project	-	400,000	350,000	300,000	250,000	200,000	200,000	1,700,000	-	-
Subtotal	\$ -	\$ 743,000	\$ 693,000	\$ 655,300	\$ 605,300	\$ 555,300	\$ 555,300	\$ 3,807,200	\$ -	\$ -
Total	\$ 2,400,000	\$ 5,043,000	\$ 5,043,000	\$ 5,105,300	\$ 6,955,300	\$ 4,955,300	\$ 5,005,300	\$ 32,107,200	\$ 811,184	\$ -

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PARKS AND RECREATION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Flatirons Golf Course Irrigation System Replacement	\$ 1,795,263	\$ 500,000	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000	\$ 95,263	\$ -
Pearl Street Mall Irrigation System Replacement	1,500,000	250,000	300,000	350,000	-	-	-	900,000	-	600,000
Pearl Street Mall Irrigation System Replacement (Lottery)	600,000	200,000	200,000	200,000	-	-	-	600,000	-	-
Urban Parks Computerized Irrigation System Replacement	620,000	165,000	-	-	-	-	-	165,000	455,000	-
ADA Compliance Improvements	-	-	-	100,000	100,000	-	-	200,000	-	-
Artificial Turf Field Installation	1,500,000	-	-	-	500,000	500,000	500,000	1,500,000	-	-
Lighting Ordinance Implementation	500,000	-	-	-	250,000	250,000	-	500,000	-	-
Playground and Park Irrigation System Renovation	-	-	-	-	300,000	300,000	300,000	900,000	-	-
Subtotal	\$ 6,515,263	\$ 1,115,000	\$ 1,700,000	\$ 650,000	\$ 1,150,000	\$ 1,050,000	\$ 800,000	\$ 6,465,000	\$ 550,263	\$ 600,000
Existing Facility - Rehab / Repair / Deficiency Correction										
Pool Replastering	\$ 130,000	\$ 55,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -
Pool Replastering (.25 sales tax)	100,000	-	100,000	-	-	-	-	100,000	-	-
NBRC: Interior Circulation Study/Improvements	280,000	-	-	280,000	-	-	-	280,000	-	-
Thunderbird Lake Plant Investment Fee	250,000	-	-	250,000	-	-	-	250,000	-	-
Playground and Park Irrigation System Renovation - Lottery	-	-	-	-	230,300	230,000	-	460,300	-	-
Subtotal	\$ 760,000	\$ 55,000	\$ 100,000	\$ 605,000	\$ 230,300	\$ 230,000	\$ -	\$ 1,220,300	\$ -	\$ -
New Construction - Growth Related Facility / Additions										
Boulder Junction Pocket Park	\$ 1,644,688	\$ 194,688	\$ -	\$ -	\$ 750,000	\$ 350,000	\$ 350,000	\$ 1,644,688	\$ -	\$ -
Elks Neighborhood Park	1,600,000	600,000	-	-	-	-	-	600,000	1,000,000	-
Valmont City Park (Phase I)	1,155,285	650,000	250,000	-	-	-	-	900,000	755,285	-
Boulder Junction - Historic Train Depot Land Cost Reconciliation	787,000	-	787,000	-	-	-	-	787,000	-	-
Boulder Junction Rail Plaza	374,000	-	-	-	-	-	374,000	374,000	-	-
Subtotal	\$ 5,560,973	\$ 1,444,688	\$ 1,037,000	\$ -	\$ 750,000	\$ 350,000	\$ 724,000	\$ 4,305,688	\$ 1,755,285	\$ -
On-Going Projects										
Tributary Greenways Program - Lottery	\$ -	\$ 150,000	\$ 150,000	\$ 125,400	\$ 125,400	\$ 125,400	\$ 125,400	\$ 801,600	\$ -	\$ -
Subtotal	\$ -	\$ 150,000	\$ 150,000	\$ 125,400	\$ 125,400	\$ 125,400	\$ 125,400	\$ 801,600	\$ -	\$ -
Study or Analysis										
Boulder Reservoir Site Management Planning	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -
South Valmont City Park Planning	150,000	150,000	-	-	-	-	-	150,000	-	-
Aquatic Facility Plan	100,000	-	100,000	-	-	-	-	100,000	-	-
Subtotal	\$ 310,000	\$ 210,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 310,000	\$ -	\$ -
Total	\$ 13,146,236	\$ 2,974,688	\$ 3,087,000	\$ 1,380,400	\$ 2,255,700	\$ 1,755,400	\$ 1,649,400	\$ 13,102,588	\$ 2,305,548	\$ 600,000

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - FACILITIES AND ASSET MANAGEMENT (FAM) / FLEET

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
East Boulder Community Center Renovation	\$ 1,100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 200,000	\$ 1,100,000	\$ -	\$ -
Facility Access Improvements - Downtown Campus Facilities	300,000	300,000	-	-	-	-	-	300,000	-	-
Subtotal	\$ 1,400,000	\$ 400,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 200,000	\$ 1,400,000	\$ -	\$ -
Existing Facility - Rehab/Repair/Deficiency Correction										
Fleet Services, Rpl Emergency Generator + Harbeck House, Replace Roof +	\$ 400,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 350,000	\$ -	\$ 50,000
Municipal Building - Rebuild Flood Gates	100,000	100,000	-	-	-	-	-	100,000	-	-
Scott Carpenter Pool, Renovate Locker Rooms	170,000	170,000	-	-	-	-	-	170,000	-	-
Fleet Services, Replace Carwash Roof + Stazio Refurbish Restrooms and Concessions	50,000	-	50,000	-	-	-	-	50,000	-	-
Stazio Tensile Canopy Covering Replacement	160,000	-	160,000	-	-	-	-	160,000	-	-
Mapleton Ballfields, Renovate Concessions and Restrooms +	132,000	-	132,000	-	-	-	-	132,000	132,000	-
Outdoor Lighting Compliance Improvements	100,000	-	-	100,000	-	-	-	100,000	-	-
Replaster Pools +	80,000	-	-	80,000	-	-	-	80,000	-	-
Main Library Reconstruct North Plaza	147,000	-	-	-	147,000	-	-	147,000	-	-
Martin Park Shelter Major Maintenance	169,000	-	-	-	169,000	-	-	169,000	-	-
North Boulder Park Shelter Repair	120,000	-	-	-	120,000	-	-	120,000	-	-
West Senior Center Major Maintenance & Rehab	700,000	-	-	-	700,000	-	-	700,000	-	-
Flatrons Event Center Major Repairs	600,000	-	-	-	-	600,000	-	600,000	-	-
Tantra Shop Renovation	300,000	-	-	-	-	-	300,000	300,000	-	-
Subtotal	\$ 3,428,000	\$ 470,000	\$ 392,000	\$ 280,000	\$ 1,236,000	\$ 650,000	\$ 350,000	\$ 3,378,000	\$ 132,000	\$ 50,000
On-Going Projects										
Miscellaneous Facility DET Projects	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Miscellaneous Facility Maintenance Projects	-	190,000	140,000	170,000	215,000	180,000	200,000	1,095,000	-	-
Subtotal	\$ -	\$ 240,000	\$ 190,000	\$ 220,000	\$ 265,000	\$ 230,000	\$ 250,000	\$ 1,395,000	\$ -	\$ -
Study or Analysis										
Facility Assessments	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000	\$ -	\$ -
Renewable Energy Analyses	60,000	60,000	-	-	-	-	-	60,000	-	-
Subtotal	\$ 310,000	\$ 110,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 310,000	\$ -	\$ -
Total	\$ 5,138,000	\$ 1,220,000	\$ 732,000	\$ 750,000	\$ 1,751,000	\$ 1,230,000	\$ 800,000	\$ 6,483,000	\$ 132,000	\$ 50,000

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - MUNICIPAL AIRPORT

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair/Deficiency Correction										
Rehabilitate Portion of Aircraft Parking Ramp	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -
Subtotal	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -
Total	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -

PUBLIC WORKS - STORMWATER AND FLOOD MANAGEMENT UTILITY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Boulder Slough	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
Stormwater Quality Improvements	331,649	50,000	52,000	54,080	56,243	58,493	60,833	331,649	-	-
Transportation Coordination	-	250,000	260,000	270,400	281,216	292,465	304,163	1,658,244	-	-
Tributary Greenways Program - Stormwater & Flood	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	525,122	-
Wonderland Creek - Foothills to 30th Street	6,000,000	500,000	1,200,000	-	-	-	-	1,700,000	3,224,000	-
Wonderland Creek at 28th Street	5,465,000	1,350,000	2,050,000	1,500,000	-	-	-	4,900,000	-	-
South Boulder Creek Flood Mitigation	40,000,000	-	-	5,575,000	-	-	-	5,575,000	300,000	34,125,000
Upper Goose Creek Drainage	16,671,840	-	-	175,000	750,000	750,000	750,000	2,425,000	-	14,246,840
Fourmile Canyon Creek - Upland to Violet	3,500,000	-	-	-	1,000,000	1,000,000	500,000	2,500,000	-	200,000
Utility Billing Computer System Replacment	-	-	-	-	-	250,000	-	250,000	-	-
Subtotal	\$ 72,468,489	\$ 2,747,500	\$ 3,659,500	\$ 7,671,980	\$ 2,184,959	\$ 2,448,458	\$ 1,712,496	\$ 20,424,893	\$ 4,049,122	\$ 48,571,840
Existing Facility - Rehab / Repair / Deficiency Correction										
Storm Sewer Rehabilitation	\$ -	\$ 100,000	\$ 260,000	\$ 270,400	\$ 281,216	\$ 292,465	\$ 304,163	\$ 1,508,244	\$ -	\$ -
Subtotal	\$ -	\$ 100,000	\$ 260,000	\$ 270,400	\$ 281,216	\$ 292,465	\$ 304,163	\$ 1,508,244	\$ -	\$ -
Land Acquisition										
Preflood Property Acquisition	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 600,000	\$ 3,150,000	\$ -	\$ -
Subtotal	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 600,000	\$ 3,150,000	\$ -	\$ -
Total	\$ 72,468,489	\$ 3,347,500	\$ 4,419,500	\$ 8,442,380	\$ 2,966,175	\$ 3,290,923	\$ 2,616,659	\$ 25,083,137	\$ 4,049,122	\$ 48,571,840

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - TRANSPORTATION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
28th St (Baseline to Iris) I	\$ 23,688,342	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 5,160,000	\$ 19,963,344	\$ -
28th St (Baseline to Iris) II	4,673,993	470,000	470,000	470,000	470,000	470,000	470,000	2,820,000	1,921,000	-
28th St. Path Improvements: Iris to Yarmouth	2,224,000	200,000	1,324,000	-	-	-	-	1,524,000	700,000	-
Baseline Underpass: Broadway to 28th	5,400,000	1,234,000	2,462,000	-	-	-	-	3,696,000	1,704,000	-
Foothills Parkway Operational Improvements; Diagonal to Valmont	750,000	500,000	-	-	-	-	-	500,000	250,000	-
Pearl Parkway Multi-Use Path: 30th to Foothills	5,000,000	3,750,000	-	-	-	-	-	3,750,000	1,250,000	-
Valmont & 29th/Hazard Elimination	3,015,000	-	3,015,000	-	-	-	-	3,015,000	-	-
Subtotal	\$ 44,751,335	\$ 7,014,000	\$ 8,131,000	\$ 1,330,000	\$ 1,330,000	\$ 1,330,000	\$ 1,330,000	\$ 20,465,000	\$ 25,788,344	\$ -
Existing Facility - Rehab / Repair Deficiency Correction										
Diagonal Hwy Reconstruction: 28th St. to 30th St.	\$ 4,400,000	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000	\$ 1,000,000	\$ -
City Yards Frontage Site Preparation for Potential Pollard Relocation	1,225,000	-	125,000	1,100,000	-	-	-	1,225,000	-	-
Subtotal	\$ 5,625,000	\$ 3,400,000	\$ 125,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 4,625,000	\$ 1,000,000	\$ -
New Construction - Growth Related Facility Addition										
Boulder Junction - Development Coordination	\$ -	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 500,000	\$ -	\$ -
Boulder Junction - Junction PI Enhancements (Pearl to Goose Creek)	1,082,000	1,082,000	-	-	-	-	-	1,082,000	-	-
Boulder Junction Improvements	794,392	200,000	200,000	-	-	-	-	400,000	394,392	-
TIP Local Match/FasTracks Implementation II	-	725,000	725,000	715,000	715,000	715,000	715,000	4,310,000	-	-
Boulder Junction - Junction PI Enhancements (Goose Creek to Bluff)	877,000	-	-	877,000	-	-	-	877,000	-	-
Boulder Junction - Traffic Signal at Bluff Street and 30th Street	228,000	-	-	-	-	228,000	-	228,000	-	-
Boulder Junction - Traffic Signal at Junction Place and Valmont	304,000	-	-	-	-	304,000	-	304,000	-	-
Subtotal	\$ 3,285,392	\$ 2,132,000	\$ 1,000,000	\$ 1,667,000	\$ 790,000	\$ 1,322,000	\$ 790,000	\$ 7,701,000	\$ 394,392	\$ -
On-Going Projects										
Bikeway Facilities - Enhancements	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 750,000	\$ -	\$ -
Miscellaneous Development Coordination	-	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-	-
Pedestrian Facilities - Repair, Replacement, ADA	-	629,000	629,000	629,000	629,000	629,000	629,000	3,774,000	-	-
Pedestrian Facilities Enhancements-Missing Links, Crossing Treatments	-	75,000	75,000	75,000	75,000	75,000	75,000	450,000	-	-
Tributary Greenways Program - Transportation - Transfer	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	-	-
Signal Maintenance and Upgrade	-	-	200,000	-	-	-	200,000	400,000	-	-
Subtotal	\$ -	\$ 976,500	\$ 1,176,500	\$ 976,500	\$ 976,500	\$ 976,500	\$ 1,176,500	\$ 6,259,000	\$ -	\$ -
Total	\$ 53,661,727	\$ 13,522,500	\$ 10,432,500	\$ 5,073,500	\$ 3,096,500	\$ 3,628,500	\$ 3,296,500	\$ 39,050,000	\$ 27,182,736	\$ -

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - GREENWAYS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Fourmile Canyon Creek at Crestview & 19th	\$ 1,500,000	\$ 295,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,000	\$ 390,000	\$ -
Wonderland Creek (28th) Kalmia to Winding Trail	5,465,000	-	295,000	270,441	-	-	-	565,441	-	-
Fourmile Canyon Creek Upland to Violet	3,500,000	-	-	-	270,441	270,441	270,441	811,323	-	200,000
Subtotal	\$ 10,465,000	\$ 295,000	\$ 295,000	\$ 270,441	\$ 270,441	\$ 270,441	\$ 270,441	\$ 1,671,764	\$ 390,000	\$ 200,000
On-Going Projects										
Miscellaneous Water Quality, Restoration and Trail Improvements	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Subtotal	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Total	\$ 10,465,000	\$ 345,000	\$ 345,000	\$ 320,441	\$ 320,441	\$ 320,441	\$ 320,441	\$ 1,971,764	\$ 390,000	\$ 200,000

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - WASTEWATER UTILITY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Utility Billing Computer System Replacement	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -
Subtotal	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -
Existing Facility - Rehab / Repair / Deficiency Correction										
Sanitary Sewer Manhole Rehabilitation	\$ 663,297	\$ 100,000	\$ 104,000	\$ 108,160	\$ 112,486	\$ 116,986	\$ 121,665	\$ 663,297	\$ -	\$ -
Sanitary Sewer Rehabilitation	3,316,487	500,000	520,000	540,800	562,432	584,929	608,326	3,316,487	-	-
WWTP Cogeneration	150,000	150,000	-	-	-	-	-	150,000	-	-
Biosolids Processing and Dewatering	1,150,000	-	150,000	1,000,000	-	-	-	1,150,000	-	-
WWTP Electrical	980,000	-	100,000	-	80,000	800,000	-	980,000	-	-
WWTP Pumps	450,000	-	150,000	-	150,000	-	-	300,000	150,000	-
WWTP Laboratory	100,000	-	-	50,000	-	-	-	50,000	50,000	-
Marshall Landfill	100,000	-	-	-	100,000	-	-	100,000	-	-
Collection System Monitoring	58,493	-	-	-	-	58,493	-	58,493	-	-
Tier 1 Goose Creek 5 Master Plan Project	3,289,851	-	-	-	-	25,000	622,683	647,683	-	2,642,168
WWTP Activated Sludge	182,498	-	-	-	-	182,498	-	182,498	-	-
Subtotal	\$ 10,440,626	\$ 750,000	\$ 1,024,000	\$ 1,698,960	\$ 1,004,918	\$ 1,767,906	\$ 1,352,674	\$ 7,598,458	\$ 200,000	\$ 2,642,168
New Construction - Growth Related Facility / Additions										
IBM Pump Station	\$ 1,050,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 550,000	\$ -
Subtotal	\$ 1,050,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 550,000	\$ -
New Construction - Not Growth Related										
WWTP Permit Improvements	\$ 3,680,869	\$ 200,000	\$ 150,000	\$ 1,500,000	\$ 112,486	\$ 253,064	\$ 1,265,319	\$ 3,480,869	\$ 200,000	\$ -
Subtotal	\$ 3,680,869	\$ 200,000	\$ 150,000	\$ 1,500,000	\$ 112,486	\$ 253,064	\$ 1,265,319	\$ 3,480,869	\$ 200,000	\$ -
Total	\$ 15,421,495	\$ 1,450,000	\$ 1,174,000	\$ 3,198,960	\$ 1,117,404	\$ 2,270,970	\$ 2,617,993	\$ 11,829,327	\$ 950,000	\$ -

Table 2-1: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - WATER UTILITY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Automated Meter Reading	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ -
Sunshine Transmission Pipe	800,000	800,000	-	-	-	-	-	800,000	-	-
Utility Billing Computer System Replacement	528,771	-	-	-	-	500,000	-	500,000	28,771	-
Pearl Street Hydroelectric / Pressure Reducing Facility	267,664	-	-	-	-	-	24,333	24,333	-	243,331
Subtotal	\$ 1,596,435	\$ 1,250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 24,333	\$ 1,774,333	\$ 28,771	\$ 243,331
Existing Facility - Rehab / Repair / Deficiency Correction										
Barker Gravity Pipeline Repair	\$ -	\$ 350,000	\$ 364,000	\$ 378,560	\$ 667,416	\$ 595,911	\$ 619,748	\$ 2,975,635	\$ -	\$ -
Betasso WTF	17,470,903	200,000	100,000	1,549,628	15,621,275	-	-	17,470,903	-	-
Boulder Reservoir WTF High Service Pump Station	162,800	112,800	-	-	-	-	-	112,800	50,000	-
Green Lake 2 Dam	4,835,130	75,000	-	-	-	-	432,739	507,739	-	4,327,391
Gunbarrel Storage Tank	265,798	265,798	-	-	-	-	-	265,798	-	-
Kohler Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Maxwell Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Waterline Replacement	14,829,248	3,000,000	2,184,000	2,271,360	2,362,214	2,456,703	2,554,971	14,829,248	-	-
Lakewood Hydroelectric / Pressure Reducing Facility	100,000	-	100,000	-	-	-	-	100,000	-	-
Lakewood Pipeline	260,000	-	260,000	-	-	-	-	260,000	-	-
Albion Dam	4,477,446	-	-	81,120	-	-	-	81,120	-	4,396,326
Barker Dam and Reservoir	498,560	-	-	378,560	-	-	-	378,560	120,000	-
Kohler Storage Tank	1,138,362	-	-	103,487	1,034,875	-	-	1,138,362	-	-
Watershed Improvements	371,620	-	-	81,120	-	-	-	81,120	290,500	-
Barker Dam Outlet	8,572,652	-	-	-	75,000	772,514	7,725,138	8,572,652	-	-
Betasso Hydroelectric / Pressure Reducing Facility	100,000	-	-	-	100,000	-	-	100,000	-	-
Barker-Kossler Penstock Repair	291,986	-	-	-	-	116,986	-	116,986	175,000	-
Betasso Storage Tank	292,465	-	-	-	-	292,465	-	292,465	-	-
Sunshine Hydroelectric / Pressure Reducing Station	271,875	-	-	-	-	271,875	-	271,875	-	-
Witemyer Ponds	5,110,663	-	-	-	-	100,000	455,515	555,515	-	4,555,148
Lakewood Dam	124,707	-	-	-	-	-	124,707	124,707	-	-
Subtotal	\$ 59,274,215	\$ 4,103,598	\$ 3,008,000	\$ 4,843,835	\$ 19,860,780	\$ 4,606,454	\$ 11,912,818	\$ 48,335,485	\$ 635,500	\$ 13,278,865
New Construction - Not Growth Related										
Barker Dam Hydroelectric	\$ 4,024,805	\$ -	\$ -	\$ -	\$ 50,000	\$ 361,346	\$ 3,613,459	\$ 4,024,805	\$ -	\$ -
NCWCD Conveyance - Carter Lake Pipeline	31,201,614	-	-	-	100,000	2,737,469	27,374,690	30,212,159	989,455	-
Carter Lake Hydroelectric	2,800,000	-	-	-	-	50,000	250,000	300,000	-	2,500,000
Subtotal	\$ 38,026,419	\$ -	\$ -	\$ -	\$ 150,000	\$ 3,148,815	\$ 31,238,149	\$ 34,536,964	\$ 989,455	\$ 2,500,000
On-Going Projects										
Boulder Reservoir WTF	\$ -	\$ 116,000	\$ 82,000	\$ -	\$ 164,000	\$ -	\$ -	\$ 362,000	\$ -	\$ -
Subtotal	\$ -	\$ 116,000	\$ 82,000	\$ -	\$ 164,000	\$ -	\$ -	\$ 362,000	\$ -	\$ -
Total	\$ 98,897,069	\$ 5,469,598	\$ 3,090,000	\$ 4,843,835	\$ 20,174,780	\$ 8,255,269	\$ 43,175,300	\$ 85,008,782	\$ 1,653,726	\$ 16,022,196



City of Boulder
FUNDING BY PROJECT TYPE
2013–2018 Capital Improvement program

Each CIP project has been classified as a city investment in one of seven project types:

- Existing Facility—Enhancements/Upgrades
- Existing Facility—Rehabilitation / Repair / Deficiency Correction
- Land Acquisition
- New Construction—Growth Related Facility Addition
- New Construction—Not Growth Related
- On-Going Projects
- Study or Analysis

Existing Facility– Rehabilitation and Repair are projects that:

- Repair damage to exiting infrastructure
- Rehabilitate infrastructure due to deterioration
- Bring a facility in compliance with safety or other regulations
- Replace without enhancements.

Existing Facility – Enhancements/Upgrades are projects that:

- Renovate and improve facilities
- Add to or improve roads or intersections
- Rehabilitate to improve or enhance existing infrastructure
- Install minor additions or engage in new construction with an existing facility
- Restore a building.

New Construction – Growth Related Facility/Additions are projects that:

- Build a new facility that is directly growth related
- Expand space to accommodate growth related needs.

New Construction – Not Growth Related are projects that

- Involve a new improvement/facility that is not directly growth related

Study or Analysis are projects that:

- Incorporate a study or planning project to that will be used directly for capital improvements

On-Going Projects are projects that:

- Are programmatic in nature and involve planned funding allocations beyond the planning horizon of the CIP.

Land Acquisition are projects that

- fund the purchase of real property or property interests.



Figure 2-3: 2013-2018 Funding by Project Type

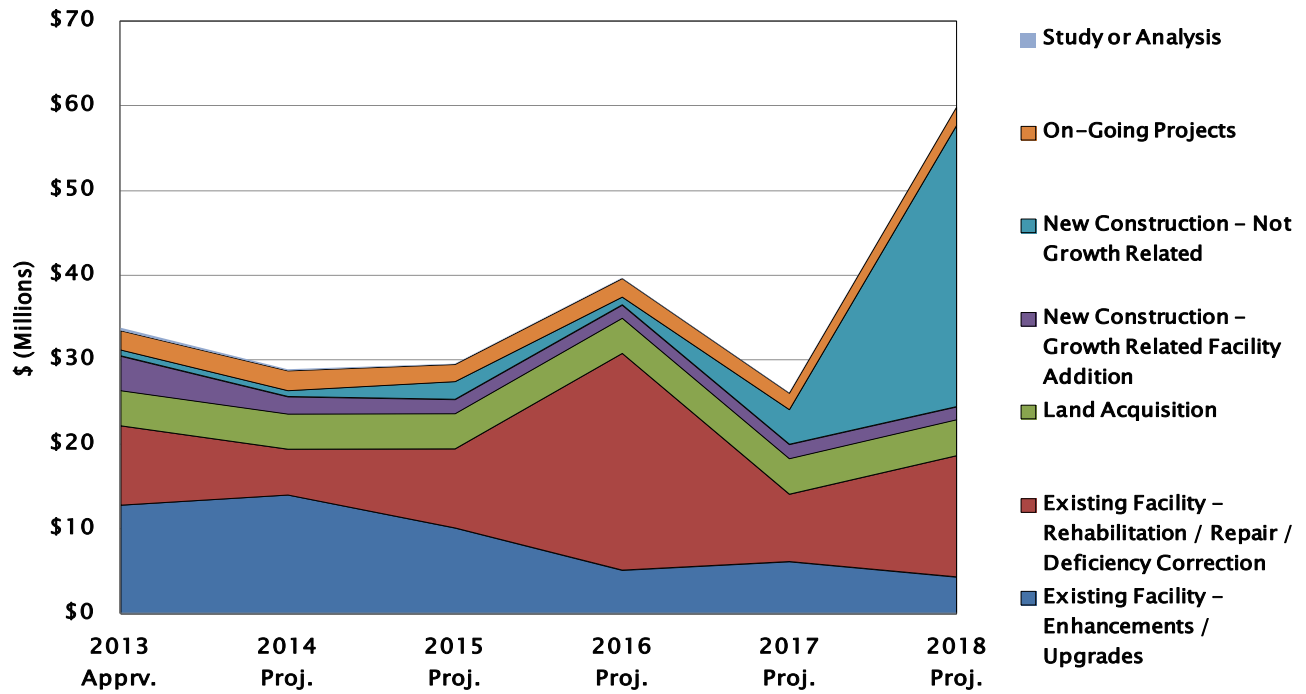


Table 2-2: 2013-2018 Funding Summary By Project Type

2013 - 2018 CAPITAL IMPROVEMENTS PROGRAM BY PROJECT TYPE

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades	\$ 137,581,522	\$ 12,821,500	\$ 14,020,500	\$ 10,122,421	\$ 5,135,400	\$ 6,148,899	\$ 4,337,270	\$ 52,585,990	\$ 30,806,500	\$ 49,615,171
Existing Facility - Rehab / Repair / Deficiency Correction	82,559,420	9,378,598	5,409,000	9,348,195	25,644,793	7,946,825	14,319,655	72,047,066	2,017,500	15,971,033
Land Acquisition	-	4,200,000	4,200,000	4,200,000	4,200,000	4,250,000	4,300,000	25,350,000	261,184	-
New Construction - Growth Related Facility Addition	9,896,365	4,076,688	2,037,000	1,667,000	1,540,000	1,672,000	1,514,000	12,506,688	2,699,677	-
New Construction - Not Growth Related	41,707,288	700,000	700,000	2,100,000	912,486	4,101,879	33,253,468	41,767,833	1,689,455	2,500,000
On-Going Projects	-	2,275,500	2,341,500	2,027,200	2,186,200	1,937,200	2,157,200	12,924,800	-	-
Study or Analysis	620,000	320,000	150,000.00	50,000.00	50,000.00	50,000.00	-	620,000	-	-
Total	\$ 272,364,595	\$ 33,772,286	\$ 28,858,000	\$ 29,514,816	\$ 39,668,879	\$ 26,106,803	\$ 59,881,593	\$ 217,802,377	\$ 37,474,316	\$ 68,086,204

Table 2-2: 2013-2018 Funding Summary By Project Type (Cont.)

EXISTING FACILITY - ENHANCEMENTS / UPGRADES

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
28th St (Baseline to Iris) I	\$ 23,688,342	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 5,160,000	\$ 19,963,344	\$ -
28th St (Baseline to Iris) II	4,673,993	470,000	470,000	470,000	470,000	470,000	470,000	2,820,000	1,921,000	-
28th St. Path Improvements: Iris to Yarmouth	2,224,000	200,000	1,324,000	-	-	-	-	1,524,000	700,000	-
ADA Compliance Improvements	-	-	-	100,000	100,000	-	-	200,000	-	-
Artificial Turf Field Installation	1,500,000	-	-	-	500,000	500,000	500,000	1,500,000	-	-
Automated Meter Reading	-	450,000	-	-	-	-	-	450,000	-	-
Baseline Underpass: Broadway to 28th	5,400,000	1,234,000	2,462,000	-	-	-	-	3,696,000	1,704,000	-
Boulder Slough	500,000	500,000	-	-	-	-	-	500,000	-	-
East Boulder Community Center Renovation Facilities	1,100,000 300,000	100,000 300,000	100,000 -	200,000 -	200,000 -	300,000 -	200,000 -	1,100,000 300,000	- -	- -
Flatirons Golf Course Irrigation System Replacement	1,795,263	500,000	1,200,000	-	-	-	-	1,700,000	95,263	-
Foothills Parkway Operational Improvements; Diagonal to Valmont	750,000	500,000	-	-	-	-	-	500,000	250,000	-
Fourmile Canyon Creek - Upland to Violet	3,500,000	-	-	-	1,000,000	1,000,000	500,000	2,500,000	-	200,000
Fourmile Canyon Creek at Crestview & 19th	1,500,000	295,000	-	-	-	-	-	295,000	390,000	-
Fourmile Canyon Creek Upland to Violet	3,500,000	-	-	-	270,441	270,441	270,441	811,323	-	200,000
JSI Upgrade	135,000	-	135,000	-	-	-	-	135,000	-	-
Lighting Ordinance Implementation	500,000	-	-	-	250,000	250,000	-	500,000	-	-
Pearl Parkway Multi-Use Path: 30th to Foothills	5,000,000	3,750,000	-	-	-	-	-	3,750,000	1,250,000	-
Pearl Street Hydroelectric / Pressure Reducing Facility	267,664	-	-	-	-	-	24,333	24,333	-	243,331
Pearl Street Mall Irrigation System Replacement	1,500,000	250,000	300,000	350,000	-	-	-	900,000	-	600,000
Pearl Street Mall Irrigation System Replacement (Lottery)	600,000	200,000	200,000	200,000	-	-	-	600,000	-	-
Playground and Park Irrigation System Renovation	-	-	-	-	300,000	300,000	300,000	900,000	-	-
South Boulder Creek Flood Mitigation	40,000,000	-	-	5,575,000	-	-	-	5,575,000	300,000	34,125,000
Stormwater Quality Improvements	331,649	50,000	52,000	54,080	56,243	58,493	60,833	331,649	-	-
Sunshine Transmission Pipe	800,000	800,000	-	-	-	-	-	800,000	-	-
Transportation Coordination	-	250,000	260,000	270,400	281,216	292,465	304,163	1,658,244	-	-
Tributary Greenways Program - Stormwater & Flood	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	525,122	-
Upper Goose Creek Drainage	16,671,840	-	-	175,000	750,000	750,000	750,000	2,425,000	-	14,246,840
Urban Parks Computerized Irrigation System Replacement	620,000	165,000	-	-	-	-	-	165,000	455,000	-
Utility Billing Computer System Replacement	528,771	-	-	-	-	500,000	-	500,000	28,771	-
Utility Billing Computer System Replacement	-	-	-	-	-	250,000	-	250,000	-	-
Utility Billing Computer System Replacement	250,000	-	-	-	-	250,000	-	250,000	-	-
Valmont & 29th/Hazard Elimination	3,015,000	-	3,015,000	-	-	-	-	3,015,000	-	-
Wonderland Creek - Foothills to 30th Street	6,000,000	500,000	1,200,000	-	-	-	-	1,700,000	3,224,000	-
Wonderland Creek (28th) Kalmia to Winding Trail	5,465,000	-	295,000	270,441	-	-	-	565,441	-	-
Wonderland Creek at 28th Street	5,465,000	1,350,000	2,050,000	1,500,000	-	-	-	4,900,000	-	-
Total	\$ 137,581,522	\$ 12,821,500	\$ 14,020,500	\$ 10,122,421	\$ 5,135,400	\$ 6,148,899	\$ 4,337,270	\$ 52,585,990	\$ 30,806,500	\$ 49,615,171

Table 2-2: 2013-2018 Funding Summary By Project Type (Cont.)

EXISTING FACILITY - REHABILITATION / REPAIR / DEFICIENCY CORRECTION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Albion Dam	\$ 4,477,446	\$ -	\$ -	\$ 81,120	\$ -	\$ -	\$ -	\$ 81,120	\$ -	\$ 4,396,326
Barker Dam and Reservoir	498,560	-	-	378,560	-	-	-	378,560	120,000	-
Barker Dam Outlet	8,572,652	-	-	-	75,000	772,514	7,725,138	8,572,652	-	-
Barker Gravity Pipeline Repair	-	350,000	364,000	378,560	667,416	595,911	619,748	2,975,635	-	-
Barker-Kossler Penstock Repair	291,986	-	-	-	-	116,986	-	116,986	175,000	-
Betasso Hydroelectric / Pressure Reducing Facility	100,000	-	-	-	100,000	-	-	100,000	-	-
Betasso Storage Tank	292,465	-	-	-	-	292,465	-	292,465	-	-
Betasso WTF	17,470,903	200,000	100,000	1,549,628	15,621,275	-	-	17,470,903	-	-
Biosolids Processing and Dewatering	1,150,000	-	150,000	1,000,000	-	-	-	1,150,000	-	-
Boulder Reservoir WTF High Service Pump Station	162,800	112,800	-	-	-	-	-	112,800	50,000	-
City Yards Frontage Site Preparation for Potential Pollard Relocation	1,225,000	-	125,000	1,100,000	-	-	-	1,225,000	-	-
Collection System Monitoring	58,493	-	-	-	-	58,493	-	58,493	-	-
Diagonal Hwy Reconstruction: 28th St. to 30th St.	4,400,000	3,400,000	-	-	-	-	-	3,400,000	1,000,000	-
Downtown 14th Street Parking Lot Improvements	-	25,000	25,000	25,000	25,000	25,000	25,000	150,000	-	-
Downtown Parking Garage Major Maintenance	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	-	-
Downtown/Pearl St Mall Amenities Replacement	-	125,000	125,000	125,000	125,000	125,000	125,000	750,000	-	-
Flatirons Event Center Major Repairs	600,000	-	-	-	-	600,000	-	600,000	-	-
Fleet Services, Replace Carwash Roof +	50,000	-	50,000	-	-	-	-	50,000	-	-
Fleet Services, Rpl Emergency Generator +	400,000	100,000	50,000	50,000	50,000	50,000	50,000	350,000	-	50,000
Green Lake 2 Dam	4,835,130	75,000	-	-	-	-	432,739	507,739	-	4,327,391
Gunbarrel Storage Tank	265,798	265,798	-	-	-	-	-	265,798	-	-
Harbeck House, Replace Roof +	100,000	100,000	-	-	-	-	-	100,000	-	-
Kohler Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Kohler Storage Tank	1,138,362	-	-	103,487	1,034,875	-	-	1,138,362	-	-
Lakewood Dam	124,707	-	-	-	-	-	124,707	124,707	-	-
Lakewood Hydroelectric / Pressure Reducing Facility	100,000	-	100,000	-	-	-	-	100,000	-	-
Lakewood Pipeline	260,000	-	260,000	-	-	-	-	260,000	-	-
Main Library Reconstruct North Plaza	147,000	-	-	-	147,000	-	-	147,000	-	-
Mapleton Ballfields, Renovate Concessions and Restrooms +	100,000	-	-	100,000	-	-	-	100,000	-	-
Marshall Landfill	100,000	-	-	-	100,000	-	-	100,000	-	-
Martin Park Shelter Major Maintenance	169,000	-	-	-	169,000	-	-	169,000	-	-
Maxwell Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Municipal Building - Rebuild Flood Gates	100,000	100,000	-	-	-	-	-	100,000	-	-
NBRC: Interior Circulation Study/Improvements	280,000	-	-	280,000	-	-	-	280,000	-	-
North Boulder Park Shelter Repair	120,000	-	-	-	120,000	-	-	120,000	-	-
Outdoor Lighting Compliance Improvements	100,000	-	-	50,000	50,000	-	-	100,000	-	-
Playground and Park Irrigation System Renovation - Lottery	-	-	-	-	230,300	230,000	-	460,300	-	-
Pool Replastering	130,000	55,000	-	75,000	-	-	-	130,000	-	-
Pool Replastering (.25 sales tax)	100,000	-	100,000	-	-	-	-	100,000	-	-
Rehabilitate Portion of Aircraft Parking Ramp	631,579	-	-	-	631,579	-	-	631,579	-	-
Replaster Pools +	80,000	-	-	80,000	-	-	-	80,000	-	-

Table 2-2: 2013-2018 Funding Summary By Project Type (Cont.)

EXISTING FACILITY - REHAB / REPAIR / DEFICIENCY CORRECTION, cont.

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Sanitary Sewer Manhole Rehabilitation	663,297	100,000	104,000	108,160	112,486	116,986	121,665	663,297	-	-
Sanitary Sewer Rehabilitation	3,316,487	500,000	520,000	540,800	562,432	584,929	608,326	3,316,487	-	-
Scott Carpenter Pool, Renovate Locker Rooms	170,000	170,000	-	-	-	-	-	170,000	-	-
South Boulder Creek Instream Flow	2,400,000	100,000	100,000	150,000	2,000,000	-	-	2,350,000	50,000	-
Stazio Refurbish Restrooms and Concessions	160,000	-	160,000	-	-	-	-	160,000	-	-
Stazio Tensile Canopy Covering Replacement	132,000	-	132,000	-	-	-	-	132,000	132,000	-
Storm Sewer Rehabilitation	-	100,000	260,000	270,400	281,216	292,465	304,163	1,508,244	-	-
Sunshine Hydroelectric / Pressure Reducing Station	271,875	-	-	-	-	271,875	-	271,875	-	-
Tantra Shop Renovation	300,000	-	-	-	-	-	300,000	300,000	-	-
Thunderbird Lake Plant Investment Fee	250,000	-	-	250,000	-	-	-	250,000	-	-
Tier 1 Goose Creek 5 Master Plan Project	3,289,851	-	-	-	-	25,000	622,683	647,683	-	2,642,168
Waterline Replacement	14,829,248	3,000,000	2,184,000	2,271,360	2,362,214	2,456,703	2,554,971	14,829,248	-	-
Watershed Improvements	371,620	-	-	81,120	-	-	-	81,120	290,500	-
West Senior Center Major Maintenance & Rehab	700,000	-	-	-	700,000	-	-	700,000	-	-
Witemyer Ponds	5,110,663	-	-	-	-	100,000	455,515	555,515	-	4,555,148
WWTP Activated Sludge	182,498	-	-	-	-	182,498	-	182,498	-	-
WWTP Cogeneration	150,000	150,000	-	-	-	-	-	150,000	-	-
WWTP Electrical	980,000	-	100,000	-	80,000	800,000	-	980,000	-	-
WWTP Laboratory	100,000	-	-	50,000	-	-	-	50,000	50,000	-
WWTP Pumps	450,000	-	150,000	-	150,000	-	-	300,000	150,000	-
Total	\$ 82,559,420	\$ 9,378,598	\$ 5,409,000	\$ 9,348,195	\$ 25,644,793	\$ 7,946,825	\$ 14,319,655	\$ 72,047,066	\$ 2,017,500	\$ 15,971,033

LAND ACQUISITION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Acquisition Program - On-Going Project	\$ -	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 20,400,000	\$ -	\$ -
Mineral Rights Acquisition - On-Going Project	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	261,184	-
Preflood Property Acquisition	-	500,000	500,000	500,000	500,000	550,000	600,000	3,150,000	-	-
Water Rights Acquisition - On-Going Project	-	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	-	-
Total	\$ -	\$ 4,200,000	\$ 4,200,000	\$ 4,200,000	\$ 4,200,000	\$ 4,250,000	\$ 4,300,000	\$ 25,350,000	\$ 261,184	\$ -

Table 2-2: 2013-2018 Funding Summary By Project Type (Cont.)

NEW CONSTRUCTION - GROWTH RELATED FACILITY ADDITION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Boulder Junction - Development Coordination Reconciliation	\$ -	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 500,000	\$ -	\$ -
Boulder Junction - Junction PI Enhancements (Goose Creek to Bluff)	787,000	-	787,000	-	-	-	-	787,000	-	-
Boulder Junction - Junction PI Enhancements (Pearl to Goose Creek)	877,000	-	-	877,000	-	-	-	877,000	-	-
Boulder Junction Pocket Park	1,082,000	1,082,000	-	-	-	-	-	1,082,000	-	-
Boulder Junction Rail Plaza	1,644,688	194,688	-	-	750,000	350,000	350,000	1,644,688	-	-
Boulder Junction - Traffic Signal at Bluff Street and 30th Street	374,000	-	-	-	-	-	374,000	374,000	-	-
Boulder Junction - Traffic Signal at Junction Place and Valmont	228,000	-	-	-	-	228,000	-	228,000	-	-
Boulder Junction Improvements	304,000	-	-	-	-	304,000	-	304,000	-	-
Elks Neighborhood Park	794,392	200,000	200,000	-	-	-	-	400,000	394,392	-
IBM Pump Station	1,600,000	600,000	-	-	-	-	-	600,000	1,000,000	-
TIP Local Match/FasTracks Implementation II	1,050,000	500,000	-	-	-	-	-	500,000	550,000	-
Valmont City Park (Phase I)	-	725,000	725,000	715,000	715,000	715,000	715,000	4,310,000	-	-
	1,155,285	650,000	250,000	-	-	-	-	900,000	755,285	-
Total	\$ 9,896,365	\$ 4,076,688	\$ 2,037,000	\$ 1,667,000	\$ 1,540,000	\$ 1,672,000	\$ 1,514,000	\$ 12,506,688	\$ 2,699,677	\$ -

NEW CONSTRUCTION - NOT GROWTH RELATED

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Barker Dam Hydroelectric	\$ 4,024,805	\$ -	\$ -	\$ -	\$ 50,000	\$ 361,346	\$ 3,613,459	\$ 4,024,805	\$ -	\$ -
Carter Lake Hydroelectric	2,800,000	-	-	-	-	50,000	250,000	300,000	-	2,500,000
NCWCD Conveyance - Carter Lake Pipeline	31,201,614	-	-	-	100,000	2,737,469	27,374,690	30,212,159	989,455	-
OSMP East Trail Study Area (ETSA)	-	-	-	50,000	100,000	100,000	100,000	350,000	-	-
OSMP North Trail Study Area (NTSA)	-	50,000	100,000	100,000	100,000	100,000	100,000	550,000	-	-
OSMP South Trail Study Area (STSA)	-	-	-	-	-	50,000	100,000	150,000	-	-
OSMP West Trail Study Area (WTSA)	-	450,000	450,000	450,000	450,000	450,000	450,000	2,700,000	500,000	-
WWTP Permit Improvements	3,680,869	200,000	150,000	1,500,000	112,486	253,064	1,265,319	3,480,869	200,000	-
Total	\$ 41,707,288	\$ 700,000	\$ 700,000	\$ 2,100,000	\$ 912,486	\$ 4,101,879	\$ 33,253,468	\$ 41,767,833	\$ 1,689,455	\$ 2,500,000

Table 2-2: 2013-2018 Funding Summary By Project Type (Cont.)

ON-GOING PROJECTS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Bikeway Facilities - Enhancements	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 750,000	\$ -	\$ -
Boulder Reservoir WTF	-	116,000	82,000	-	164,000	-	-	362,000	-	-
Miscellaneous Development Coordination	-	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-	-
Miscellaneous Facility DET Projects	-	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-	-
Miscellaneous Facility Maintenance Projects	-	190,000	140,000	170,000	215,000	180,000	200,000	1,095,000	-	-
Improvements	-	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-	-
Restoration - On-Going Project	-	343,000	343,000	355,300	355,300	355,300	355,300	2,107,200	-	-
Pedestrian Facilities - Repair, Replacement, ADA	-	629,000	629,000	629,000	629,000	629,000	629,000	3,774,000	-	-
Crossing Treatments	-	75,000	75,000	75,000	75,000	75,000	75,000	450,000	-	-
Signal Maintenance and Upgrade	-	-	200,000	-	-	-	200,000	400,000	-	-
Tributary Greenways Program - Lottery	-	150,000	150,000	125,400	125,400	125,400	125,400	801,600	-	-
Tributary Greenways Program - Transportation - Transfer	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	-	-
Visitor Infrastructure - System Wide - On-Going Project	-	400,000	350,000	300,000	250,000	200,000	200,000	1,700,000	-	-
Total	\$ -	\$ 2,275,500	\$ 2,341,500	\$ 2,027,200	\$ 2,186,200	\$ 1,937,200	\$ 2,157,200	\$ 12,924,800	\$ -	\$ -

STUDY OR ANALYSIS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Aquatic Facility Plan	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -
Boulder Reservoir Site Management Planning	60,000	60,000	-	-	-	-	-	60,000	-	-
Facility Assessments	250,000	50,000	50,000	50,000	50,000	50,000	-	250,000	-	-
Renewable Energy Analyses	60,000	60,000	-	-	-	-	-	60,000	-	-
South Valmont City Park Planning	150,000	150,000	-	-	-	-	-	150,000	-	-
Total	\$ 620,000	\$ 320,000	\$ 150,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 620,000	\$ -	\$ -



City of Boulder
FUNDING BY FUND
2013–2018 Capital Improvement program

One or more of the following 16 funds and funding sources are proposed for the CIP projects:

- .25 Cent Sales Tax Fund
- Airport Fund
- Boulder Junction Improvement Fund
- Capital Development Fund
- Downtown Commercial District Fund
- Facility Renovation and Replacement Fund
- General Fund
- Greenways
- Lottery Fund
- Open Space Fund
- Permanent Parks and Recreation Fund
- Stormwater Utility Fund
- Transportation Development Fund
- Transportation Fund
- Wastewater Utility Fund
- Water Utility Fund

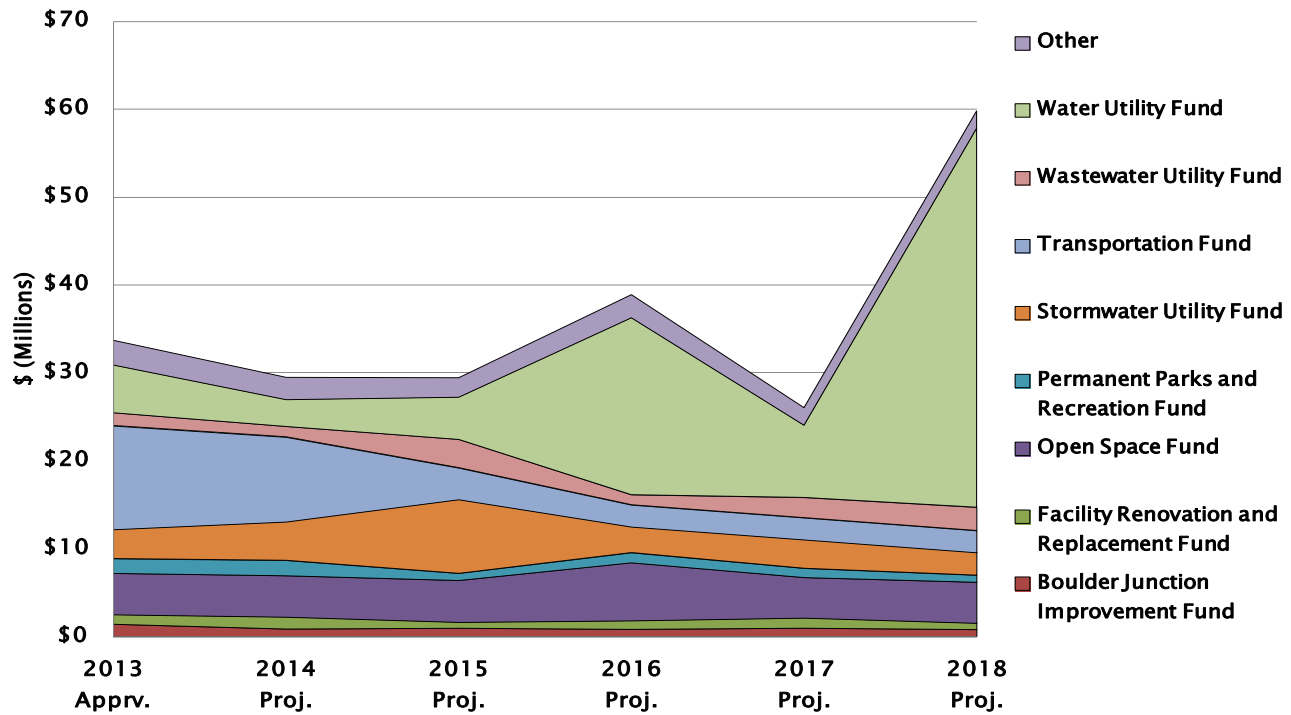
Detailed descriptions of all of the city's funds are available in the Introduction section of the 2013 Annual Budget – Volume 1. Many of the funds exist to handle dedicated revenues that can only be used for specific types of capital projects. These restrictions provide consistency in planning for project types, but also requires the city to allocate resources to a specific category of infrastructure and maintain existing priorities.

Similar to the department distributions described earlier in this section, the Transportation, Wastewater Utility, and Water Utility Funds are the largest contributors to the city's 2013–2018 CIP.

Figure 2–4 shows the distribution of six year funding by fund.



Figure 2-4: 2013-2018 Funding by Fund



Other includes the Transportation Development Fund, Lottery Fund, Downtown Commercial District Fund, Greenways, General Fund, Capital Development Fund, Airport Fund, and .25 Sales Tax Fund.

Table 2-3: 2013-2018 Funding Summary by Fund

2013 - 2018 CAPITAL IMPROVEMENTS PROGRAM - BY FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding
.25 Cent Sales Tax Fund	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -
Airport Fund	2,200,000	750,000	200,000	250,000	-	-	-	1,200,000	1,000,000
Boulder Junction Improvement Fund	5,296,688	1,401,688	862,000	952,000	825,000	957,000	799,000	5,796,688	-
Capital Development Fund	60,000	110,000	50,000	50,000	50,000	50,000	50,000	360,000	-
Downtown Commercial District Fund	-	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000	-
Facility Renovation and Replacement Fund	5,078,000	1,110,000	682,000	700,000	1,701,000	1,180,000	750,000	6,123,000	132,000
General Fund	135,000	-	135,000	-	-	-	-	135,000	-
Greenways	10,465,000	345,000	345,000	320,441	320,441	320,441	320,441	1,971,764	390,000
Lottery Fund	600,000	693,000	693,000	680,700	711,000	710,700	480,700	3,969,100	-
Open Space Fund	2,400,000	4,700,000	4,700,000	4,750,000	6,600,000	4,600,000	4,650,000	30,000,000	811,184
Permanent Parks and Recreation Fund	7,540,548	1,680,000	1,750,000	805,000	1,150,000	1,050,000	800,000	7,235,000	1,305,548
Stormwater Utility Fund	72,468,489	3,347,500	4,419,500	8,442,380	2,966,175	3,290,923	2,616,659	25,083,137	4,049,122
Transportation Development Fund	4,673,993	520,000	720,000	520,000	520,000	520,000	720,000	3,520,000	1,921,000
Transportation Fund	46,496,734	11,795,500	9,637,500	3,601,500	2,501,500	2,501,500	2,501,500	32,539,000	25,261,736
Wastewater Utility Fund	15,421,495	1,450,000	1,174,000	3,198,960	1,117,404	2,270,970	2,617,993	11,829,327	950,000
Water Utility Fund	98,897,069	5,469,598	3,090,000	4,843,835	20,174,780	8,255,269	43,175,300	85,008,782	1,653,726
Total	\$ 272,364,595	\$ 33,772,286	\$ 28,858,000	\$ 29,514,816	\$ 39,668,879	\$ 26,106,803	\$ 59,881,593	\$ 217,802,377	\$ 37,474,316

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

.25 CENT SALES TAX FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab / Repair / Deficiency Correction										
Pool Replastering (.25 sales tax)	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -
Thunderbird Lake Plant Investment Fee	250,000	-	-	250,000	-	-	-	250,000	-	-
Subtotal	\$ 350,000	\$ -	\$ 100,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 350,000	\$ -	\$ -
New Construction - Growth Related Facility / Additions										
Elks Neighborhood Park	\$ 1,600,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 1,000,000	\$ -
Subtotal	\$ 1,600,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 1,000,000	\$ -
Study or Analysis										
South Valmont City Park Planning	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -
Aquatic Facility Plan	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -
Subtotal	\$ 250,000	\$ 150,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -
Total	\$ 2,200,000	\$ 750,000	\$ 200,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 1,200,000	\$ 1,000,000	\$ -

AIRPORT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair/Deficiency Correction										
Rehabilitate Portion of Aircraft Parking Ramp	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -
Subtotal	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -
Total	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

BOULDER JUNCTION IMPROVEMENT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
New Construction - Growth Related Facility / Additions										
Boulder Junction - Development Coordination	\$ -	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 500,000	\$ -	\$ -
Boulder Junction - Junction PI Enhancements (Pearl to Goose Creek)	1,082,000	1,082,000	-	-	-	-	-	1,082,000	-	-
Boulder Junction Pocket Park	1,644,688	194,688	-	-	750,000	350,000	350,000	1,644,688	-	-
Boulder Junction - Historic Train Depot Land Cost Reconciliation	787,000	-	787,000	-	-	-	-	787,000	-	-
Boulder Junction - Junction PI Enhancements (Goose Creek to Bluff)	877,000	-	-	877,000	-	-	-	877,000	-	-
Boulder Junction - Traffic Signal at Bluff Street and 30th Street	228,000	-	-	-	-	228,000	-	228,000	-	-
Boulder Junction - Traffic Signal at Junction Place and Valmont	304,000	-	-	-	-	304,000	-	304,000	-	-
Boulder Junction Rail Plaza	374,000	-	-	-	-	-	374,000	374,000	-	-
Subtotal	\$ 5,296,688	\$ 1,401,688	\$ 862,000	\$ 952,000	\$ 825,000	\$ 957,000	\$ 799,000	\$ 5,796,688	\$ -	\$ -
Total	\$ 5,296,688	\$ 1,401,688	\$ 862,000	\$ 952,000	\$ 825,000	\$ 957,000	\$ 799,000	\$ 5,796,688	\$ -	\$ -

CAPITAL DEVELOPMENT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
On-Going Projects										
Miscellaneous Facility DET Projects	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Subtotal	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Study or Analysis										
Renewable Energy Analyses	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -
Subtotal	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -
Total	\$ 60,000	\$ 110,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 360,000	\$ -	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

DOWNTOWN COMMERCIAL DISTRICT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair/Deficiency Correction										
Downtown 14th Street Parking Lot Improvements	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,000	\$ -	\$ -
Downtown Parking Garage Major Maintenance	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	-	-
Downtown/Pearl St Mall Amenities Replacement	-	125,000	125,000	125,000	125,000	125,000	125,000	750,000	-	-
Subtotal	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -
Total	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

FACILITY RENOVATION AND REPLACEMENT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
East Boulder Community Center Renovation	\$ 1,100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 200,000	\$ 1,100,000	\$ -	\$ -
Facility Access Improvements - Downtown Campus Facilities	300,000	300,000	-	-	-	-	-	300,000	-	-
Subtotal	\$ 1,400,000	\$ 400,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 200,000	\$ 1,400,000	\$ -	\$ -
Existing Facility - Rehab / Repair / Deficiency Correction										
Fleet Services, Rpl Emergency Generator +	\$ 400,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 350,000	\$ -	\$ 50,000
Harbeck House, Replace Roof +	100,000	100,000	-	-	-	-	-	100,000	-	-
Municipal Building - Rebuild Flood Gates	100,000	100,000	-	-	-	-	-	100,000	-	-
Scott Carpenter Pool, Renovate Locker Rooms	170,000	170,000	-	-	-	-	-	170,000	-	-
Fleet Services, Replace Carwash Roof +	50,000	-	50,000	-	-	-	-	50,000	-	-
Stazio Refurbish Restrooms and Concessions	160,000	-	160,000	-	-	-	-	160,000	-	-
Stazio Tensile Canopy Covering Replacement	132,000	-	132,000	-	-	-	-	132,000	132,000	-
West Senior Center Major Maintenance & Rehab	700,000	-	-	-	700,000	-	-	700,000	-	-
Mapleton Ballfields, Renovate Concessions and Restrooms +	100,000	-	-	100,000	-	-	-	100,000	-	-
Outdoor Lighting Compliance Improvements	100,000	-	-	50,000	50,000	-	-	100,000	-	-
Replaster Pools +	80,000	-	-	80,000	-	-	-	80,000	-	-
Main Library Reconstruct North Plaza	147,000	-	-	-	147,000	-	-	147,000	-	-
Martin Park Shelter Major Maintenance	169,000	-	-	-	169,000	-	-	169,000	-	-
North Boulder Park Shelter Repair	120,000	-	-	-	120,000	-	-	120,000	-	-
Flatirons Event Center Major Repairs	600,000	-	-	-	-	600,000	-	600,000	-	-
Tantra Shop Renovation	300,000	-	-	-	-	-	300,000	300,000	-	-
Subtotal	\$ 3,428,000	\$ 470,000	\$ 392,000	\$ 280,000	\$ 1,236,000	\$ 650,000	\$ 350,000	\$ 3,378,000	\$ 132,000	\$ 50,000
On-Going Projects										
Miscellaneous Facility Maintenance Projects	\$ -	\$ 190,000	\$ 140,000	\$ 170,000	\$ 215,000	\$ 180,000	\$ 200,000	\$ 1,095,000	\$ -	\$ -
Subtotal	\$ -	\$ 190,000	\$ 140,000	\$ 170,000	\$ 215,000	\$ 180,000	\$ 200,000	\$ 1,095,000	\$ -	\$ -
Study or Analysis										
Facility Assessments	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000	\$ -	\$ -
Subtotal	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000	\$ -	\$ -
Total	\$ 5,078,000	\$ 1,110,000	\$ 682,000	\$ 700,000	\$ 1,701,000	\$ 1,180,000	\$ 750,000	\$ 6,123,000	\$ 132,000	\$ 50,000

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

GENERAL FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
JSI Upgrade	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -
Subtotal	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -
Total	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -

GREENWAYS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Fourmile Canyon Creek at Crestview & 19th	\$ 1,500,000	\$ 295,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,000	\$ 390,000	\$ -
Wonderland Creek (28th) Kalmia to Winding Trail	5,465,000	-	295,000	270,441	-	-	-	565,441	-	-
Fourmile Canyon Creek Upland to Violet	3,500,000	-	-	-	270,441	270,441	270,441	811,323	-	200,000
Subtotal	\$ 10,465,000	\$ 295,000	\$ 295,000	\$ 270,441	\$ 270,441	\$ 270,441	\$ 270,441	\$ 1,671,764	\$ 390,000	\$ 200,000
On-Going Projects										
Miscellaneous Water Quality, Restoration and Trail Improvements	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Subtotal	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Total	\$ 10,465,000	\$ 345,000	\$ 345,000	\$ 320,441	\$ 320,441	\$ 320,441	\$ 320,441	\$ 1,971,764	\$ 390,000	\$ 200,000

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

LOTTERY FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Pearl Street Mall Irrigation System Replacement (Lottery)	\$ 600,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ -
Subtotal	\$ 600,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ -
Existing Facility - Rehab / Repair / Deficiency Correction										
Playground and Park Irrigation System Renovation - Lottery	\$ -	\$ -	\$ -	\$ -	\$ 230,300	\$ 230,000	\$ -	\$ 460,300	\$ -	\$ -
Subtotal	\$ -	\$ -	\$ -	\$ -	\$ 230,300	\$ 230,000	\$ -	\$ 460,300	\$ -	\$ -
On-Going Projects										
OSMP - Historical Structures & Trails - Stabilization & Restoration - On-Going Project	\$ -	\$ 343,000	\$ 343,000	\$ 355,300	\$ 355,300	\$ 355,300	\$ 355,300	\$ 2,107,200	\$ -	\$ -
Tributary Greenways Program - Lottery	-	150,000	150,000	125,400	125,400	125,400	125,400	801,600	-	-
Subtotal	\$ -	\$ 493,000	\$ 493,000	\$ 480,700	\$ 480,700	\$ 480,700	\$ 480,700	\$ 2,908,800	\$ -	\$ -
Total	\$ 600,000	\$ 693,000	\$ 693,000	\$ 680,700	\$ 711,000	\$ 710,700	\$ 480,700	\$ 3,969,100	\$ -	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

OPEN SPACE FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair Deficiency Correction										
South Boulder Creek Instream Flow	\$ 2,400,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ 2,350,000	\$ 50,000	\$ -
Subtotal	\$ 2,400,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ 2,350,000	\$ 50,000	\$ -
Land Acquisition										
Acquisition Program - On-Going Project	\$ -	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 20,400,000	\$ -	\$ -
Mineral Rights Acquisition - On-Going Project	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	261,184	-
Water Rights Acquisition - On-Going Project	-	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	-	-
Subtotal	\$ -	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 22,200,000	\$ 261,184	\$ -
New Construction - Not Growth Related										
OSMP North Trail Study Area (NTSA)	\$ -	\$ 50,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 550,000	\$ -	\$ -
OSMP West Trail Study Area (WTSA)	-	450,000	450,000	450,000	450,000	450,000	450,000	2,700,000	500,000	-
OSMP East Trail Study Area (ETSA)	-	-	-	50,000	100,000	100,000	100,000	350,000	-	-
OSMP South Trail Study Area (STSA)	-	-	-	-	-	50,000	100,000	150,000	-	-
Subtotal	\$ -	\$ 500,000	\$ 550,000	\$ 600,000	\$ 650,000	\$ 700,000	\$ 750,000	\$ 3,750,000	\$ 500,000	\$ -
On-Going Projects										
Visitor Infrastructure - System Wide - On-Going Project	\$ -	\$ 400,000	\$ 350,000	\$ 300,000	\$ 250,000	\$ 200,000	\$ 200,000	\$ 1,700,000	\$ -	\$ -
Subtotal	\$ -	\$ 400,000	\$ 350,000	\$ 300,000	\$ 250,000	\$ 200,000	\$ 200,000	\$ 1,700,000	\$ -	\$ -
Total	\$ 2,400,000	\$ 4,700,000	\$ 4,700,000	\$ 4,750,000	\$ 6,600,000	\$ 4,600,000	\$ 4,650,000	\$ 30,000,000	\$ 811,184	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

PERMANENT PARKS AND RECREATION FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Flatirons Golf Course Irrigation System Replacement	\$ 1,795,263	\$ 500,000	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000	\$ 95,263	\$ -
Pearl Street Mall Irrigation System Replacement	1,500,000	250,000	300,000	350,000	-	-	-	900,000	-	600,000
Urban Parks Computerized Irrigation System Replacement	620,000	165,000	-	-	-	-	-	165,000	455,000	-
ADA Compliance Improvements	-	-	-	100,000	100,000	-	-	200,000	-	-
Artificial Turf Field Installation	1,500,000	-	-	-	500,000	500,000	500,000	1,500,000	-	-
Lighting Ordinance Implementation	500,000	-	-	-	250,000	250,000	-	500,000	-	-
Playground and Park Irrigation System Renovation	-	-	-	-	300,000	300,000	300,000	900,000	-	-
Subtotal	\$ 5,915,263	\$ 915,000	\$ 1,500,000	\$ 450,000	\$ 1,150,000	\$ 1,050,000	\$ 800,000	\$ 5,865,000	\$ 550,263	\$ 600,000
Existing Facility - Rehab/Repair/Deficiency Correction										
Pool Replastering	\$ 130,000	\$ 55,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -
NBRC: Interior Circulation Study/Improvements	280,000	-	-	280,000	-	-	-	280,000	-	-
Subtotal	\$ 410,000	\$ 55,000	\$ -	\$ 355,000	\$ -	\$ -	\$ -	\$ 410,000	\$ -	\$ -
New Construction - Growth Related Facility/Additions										
Valmont City Park (Phase I)	\$ 1,155,285	\$ 650,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ 755,285	\$ -
Subtotal	\$ 1,155,285	\$ 650,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ 755,285	\$ -
New Construction - Not Growth Related										
Boulder Reservoir Site Management Planning	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -
Subtotal	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -
Total	\$ 7,540,548	\$ 1,680,000	\$ 1,750,000	\$ 805,000	\$ 1,150,000	\$ 1,050,000	\$ 800,000	\$ 7,235,000	\$ 1,305,548	\$ 600,000

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

STORMWATER AND FLOOD MANAGEMENT UTILITY FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Boulder Slough	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
Stormwater Quality Improvements	331,649	50,000	52,000	54,080	56,243	58,493	60,833	331,649	-	-
Transportation Coordination	-	250,000	260,000	270,400	281,216	292,465	304,163	1,658,244	-	-
Tributary Greenways Program - Stormwater & Flood	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	525,122	-
Wonderland Creek - Foothills to 30th Street	6,000,000	500,000	1,200,000	-	-	-	-	1,700,000	3,224,000	-
Wonderland Creek at 28th Street	5,465,000	1,350,000	2,050,000	1,500,000	-	-	-	4,900,000	-	-
South Boulder Creek Flood Mitigation	40,000,000	-	-	5,575,000	-	-	-	5,575,000	300,000	34,125,000
Upper Goose Creek Drainage	16,671,840	-	-	175,000	750,000	750,000	750,000	2,425,000	-	14,246,840
Fourmile Canyon Creek - Upland to Violet	3,500,000	-	-	-	1,000,000	1,000,000	500,000	2,500,000	-	200,000
Utility Billing Computer System Replacment	-	-	-	-	-	250,000	-	250,000	-	-
Subtotal	\$ 72,468,489	\$ 2,747,500	\$ 3,659,500	\$ 7,671,980	\$ 2,184,959	\$ 2,448,458	\$ 1,712,496	\$ 20,424,893	\$ 4,049,122	\$ 48,571,840
Existing Facility - Rehab / Repair / Deficiency Correction										
Storm Sewer Rehabilitation	\$ -	\$ 100,000	\$ 260,000	\$ 270,400	\$ 281,216	\$ 292,465	\$ 304,163	\$ 1,508,244	\$ -	\$ -
Subtotal	\$ -	\$ 100,000	\$ 260,000	\$ 270,400	\$ 281,216	\$ 292,465	\$ 304,163	\$ 1,508,244	\$ -	\$ -
Land Acquisition										
Preflood Property Acquisition	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 600,000	\$ 3,150,000	\$ -	\$ -
Subtotal	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 600,000	\$ 3,150,000	\$ -	\$ -
Total	\$ 72,468,489	\$ 3,347,500	\$ 4,419,500	\$ 8,442,380	\$ 2,966,175	\$ 3,290,923	\$ 2,616,659	\$ 25,083,137	\$ 4,049,122	\$ 48,571,840

TRANSPORTATION DEVELOPMENT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements/Upgrades										
28th St (Baseline to Iris) II	\$ 4,673,993	\$ 470,000	\$ 470,000	\$ 470,000	\$ 470,000	\$ 470,000	\$ 470,000	\$ 2,820,000	\$ 1,921,000	\$ -
Subtotal	\$ 4,673,993	\$ 470,000	\$ 470,000	\$ 470,000	\$ 470,000	\$ 470,000	\$ 470,000	\$ 2,820,000	\$ 1,921,000	\$ -
On-Going Projects										
Miscellaneous Development Coordination	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Signal Maintenance and Upgrade	-	-	200,000	-	-	-	200,000	400,000	-	-
Subtotal	\$ -	\$ 50,000	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	\$ 700,000	\$ -	\$ -
Total	\$ 4,673,993	\$ 520,000	\$ 720,000	\$ 520,000	\$ 520,000	\$ 520,000	\$ 720,000	\$ 3,520,000	\$ 1,921,000	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

TRANSPORTATION FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
28th St (Baseline to Iris) I	\$ 23,688,342	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 5,160,000	\$ 19,963,344	\$ -
28th St. Path Improvements: Iris to Yarmouth	2,224,000	200,000	1,324,000	-	-	-	-	1,524,000	700,000	-
Baseline Underpass: Broadway to 28th	5,400,000	1,234,000	2,462,000	-	-	-	-	3,696,000	1,704,000	-
Foothills Parkway Operational Improvements; Diagonal to Valmont	750,000	500,000	-	-	-	-	-	500,000	250,000	-
Pearl Parkway Multi-Use Path: 30th to Foothills	5,000,000	3,750,000	-	-	-	-	-	3,750,000	1,250,000	-
Valmont & 29th/Hazard Elimination	3,015,000	-	3,015,000	-	-	-	-	3,015,000	-	-
Subtotal	\$ 40,077,342	\$ 6,544,000	\$ 7,661,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 17,645,000	\$ 23,867,344	\$ -
Existing Facility - Rehab/Repair Deficiency Correction										
Diagonal Hwy Reconstruction: 28th St. to 30th St. Relocation	\$ 4,400,000	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000	\$ 1,000,000	\$ -
	1,225,000	-	125,000	1,100,000	-	-	-	1,225,000	-	-
Subtotal	\$ 5,625,000	\$ 3,400,000	\$ 125,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 4,625,000	\$ 1,000,000	\$ -
New Construction - Growth Related Facility / Additions										
Boulder Junction Improvements	\$ 794,392	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 394,392	\$ -
TIP Local Match/FasTracks Implementation II	-	725,000	725,000	715,000	715,000	715,000	715,000	4,310,000	-	-
Subtotal	\$ 794,392	\$ 925,000	\$ 925,000	\$ 715,000	\$ 715,000	\$ 715,000	\$ 715,000	\$ 4,710,000	\$ 394,392	\$ -
On-Going Projects										
Bikeway Facilities - Enhancements	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 750,000	\$ -	\$ -
Pedestrian Facilities - Repair, Replacement, ADA	-	629,000	629,000	629,000	629,000	629,000	629,000	3,774,000	-	-
Pedestrian Facilities Enhancements-Missing Links, Crossing Treatments	-	75,000	75,000	75,000	75,000	75,000	75,000	450,000	-	-
Tributary Greenways Program - Transportation - Transfer	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	-	-
Subtotal	\$ -	\$ 926,500	\$ 926,500	\$ 926,500	\$ 926,500	\$ 926,500	\$ 926,500	\$ 5,559,000	\$ -	\$ -
Total	\$ 46,496,734	\$ 11,795,500	\$ 9,637,500	\$ 3,601,500	\$ 2,501,500	\$ 2,501,500	\$ 2,501,500	\$ 32,539,000	\$ 25,261,736	\$ -

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

WASTEWATER UTILITY FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements/Upgrades										
Utility Billing Computer System Replacement	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -
Subtotal	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -
Existing Facility - Rehab/Repair/Deficiency Correction										
Sanitary Sewer Manhole Rehabilitation	\$ 663,297	\$ 100,000	\$ 104,000	\$ 108,160	\$ 112,486	\$ 116,986	\$ 121,665	\$ 663,297	\$ -	\$ -
Sanitary Sewer Rehabilitation	3,316,487	500,000	520,000	540,800	562,432	584,929	608,326	3,316,487	-	-
WWTP Cogeneration	150,000	150,000	-	-	-	-	-	150,000	-	-
Biosolids Processing and Dewatering	1,150,000	-	150,000	1,000,000	-	-	-	1,150,000	-	-
WWTP Electrical	980,000	-	100,000	-	80,000	800,000	-	980,000	-	-
WWTP Pumps	450,000	-	150,000	-	150,000	-	-	300,000	150,000	-
WWTP Laboratory	100,000	-	-	50,000	-	-	-	50,000	50,000	-
Marshall Landfill	100,000	-	-	-	100,000	-	-	100,000	-	-
Collection System Monitoring	58,493	-	-	-	-	58,493	-	58,493	-	-
Tier 1 Goose Creek 5 Master Plan Project	3,289,851	-	-	-	-	25,000	622,683	647,683	-	2,642,168
WWTP Activated Sludge	182,498	-	-	-	-	182,498	-	182,498	-	-
Subtotal	\$ 10,440,626	\$ 750,000	\$ 1,024,000	\$ 1,698,960	\$ 1,004,918	\$ 1,767,906	\$ 1,352,674	\$ 7,598,458	\$ 200,000	\$ 2,642,168
New Construction - Growth Related Facility/Additions										
IBM Pump Station	\$ 1,050,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 550,000	\$ -
Subtotal	\$ 1,050,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 550,000	\$ -
New Construction - Not Growth Related										
WWTP Permit Improvements	\$ 3,680,869	\$ 200,000	\$ 150,000	\$ 1,500,000	\$ 112,486	\$ 253,064	\$ 1,265,319	\$ 3,480,869	\$ 200,000	\$ -
Subtotal	\$ 3,680,869	\$ 200,000	\$ 150,000	\$ 1,500,000	\$ 112,486	\$ 253,064	\$ 1,265,319	\$ 3,480,869	\$ 200,000	\$ -
Total	\$ 15,421,495	\$ 1,450,000	\$ 1,174,000	\$ 3,198,960	\$ 1,117,404	\$ 2,270,970	\$ 2,617,993	\$ 11,829,327	\$ 950,000	\$ 2,642,168

Table 2-3: 2013-2018 Funding Summary by Fund (Cont.)

WATER UTILITY FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Automated Meter Reading	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ -
Sunshine Transmission Pipe	800,000	800,000	-	-	-	-	-	800,000	-	-
Utility Billing Computer System Replacement	528,771	-	-	-	-	500,000	-	500,000	28,771	-
Pearl Street Hydroelectric / Pressure Reducing Facility	267,664	-	-	-	-	-	24,333	24,333	-	243,331
Subtotal	\$ 1,596,435	\$ 1,250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 24,333	\$ 1,774,333	\$ 28,771	\$ 243,331
Existing Facility - Rehab / Repair / Deficiency Correction										
Barker Gravity Pipeline Repair	\$ -	\$ 350,000	\$ 364,000	\$ 378,560	\$ 667,416	\$ 595,911	\$ 619,748	\$ 2,975,635	\$ -	\$ -
Betasso WTF	17,470,903	200,000	100,000	1,549,628	15,621,275	-	-	17,470,903	-	-
Boulder Reservoir WTF High Service Pump Station	162,800	112,800	-	-	-	-	-	112,800	50,000	-
Green Lake 2 Dam	4,835,130	75,000	-	-	-	-	432,739	507,739	-	4,327,391
Gunbarrel Storage Tank	265,798	265,798	-	-	-	-	-	265,798	-	-
Kohler Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Maxwell Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Waterline Replacement	14,829,248	3,000,000	2,184,000	2,271,360	2,362,214	2,456,703	2,554,971	14,829,248	-	-
Lakewood Hydroelectric / Pressure Reducing Facility	100,000	-	100,000	-	-	-	-	100,000	-	-
Lakewood Pipeline	260,000	-	260,000	-	-	-	-	260,000	-	-
Albion Dam	4,477,446	-	-	81,120	-	-	-	81,120	-	4,396,326
Barker Dam and Reservoir	498,560	-	-	378,560	-	-	-	378,560	120,000	-
Kohler Storage Tank	1,138,362	-	-	103,487	1,034,875	-	-	1,138,362	-	-
Watershed Improvements	371,620	-	-	81,120	-	-	-	81,120	290,500	-
Barker Dam Outlet	8,572,652	-	-	-	75,000	772,514	7,725,138	8,572,652	-	-
Betasso Hydroelectric / Pressure Reducing Facility	100,000	-	-	-	100,000	-	-	100,000	-	-
Barker-Kossler Penstock Repair	291,986	-	-	-	-	116,986	-	116,986	175,000	-
Betasso Storage Tank	292,465	-	-	-	-	292,465	-	292,465	-	-
Sunshine Hydroelectric / Pressure Reducing Station	271,875	-	-	-	-	271,875	-	271,875	-	-
Witemyer Ponds	5,110,663	-	-	-	-	100,000	455,515	555,515	-	4,555,148
Lakewood Dam	124,707	-	-	-	-	-	124,707	124,707	-	-
Subtotal	\$ 59,274,215	\$ 4,103,598	\$ 3,008,000	\$ 4,843,835	\$ 19,860,780	\$ 4,606,454	\$ 11,912,818	\$ 48,335,485	\$ 635,500	\$ 13,278,865
New Construction - Not Growth Related										
Barker Dam Hydroelectric	\$ 4,024,805	\$ -	\$ -	\$ -	\$ 50,000	\$ 361,346	\$ 3,613,459	\$ 4,024,805	\$ -	\$ -
NCWCD Conveyance - Carter Lake Pipeline	31,201,614	-	-	-	100,000	2,737,469	27,374,690	30,212,159	989,455	-
Carter Lake Hydroelectric	2,800,000	-	-	-	-	50,000	250,000	300,000	-	2,500,000
Subtotal	\$ 38,026,419	\$ -	\$ -	\$ -	\$ 150,000	\$ 3,148,815	\$ 31,238,149	\$ 34,536,964	\$ 989,455	\$ 2,500,000
On-Going Projects										
Boulder Reservoir WTF	\$ -	\$ 116,000	\$ 82,000	\$ -	\$ 164,000	\$ -	\$ -	\$ 362,000	\$ -	\$ -
Subtotal	\$ -	\$ 116,000	\$ 82,000	\$ -	\$ 164,000	\$ -	\$ -	\$ 362,000	\$ -	\$ -
Total	\$ 98,897,069	\$ 5,469,598	\$ 3,090,000	\$ 4,843,835	\$ 20,174,780	\$ 8,255,269	\$ 43,175,300	\$ 85,008,782	\$ 1,653,726	\$ 16,022,196

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City of Boulder
**SPECIAL HIGHLIGHT ON
BOULDER JUNCTION**

2013 – 2018 Capital Improvement Program

Boulder Junction

The Boulder Junction area is located near the geographic center of the community. In addition to the close proximity to the shopping and entertainment at Twenty Ninth Street, the area benefits from valuable connections to natural amenities and employment. The Goose Creek Greenway runs through the site and provides pedestrian and bike connectivity to employment centers and Valmont Park to the east, and the Mapleton Ballfields to the west. Pearl Street intersects with the west boundary of the area, providing connection between Boulder Junction and downtown.

Plan Overview

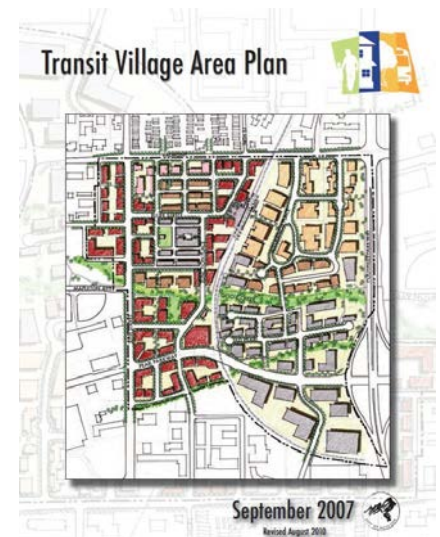
The Transit Village Area Plan (TVAP), which covers 160 acres within Boulder Junction, was originally adopted in September 2007. The plan outlines a vision for the area, and then provides goals and objectives to achieve this vision. A separate implementation document complements the area plan, separating the plan into two phases by geographic area, enumerating actions and work program tasks the city should take to advance the plan's goals and objectives.

Vision

The City Council and Planning Board formally adopted the following vision early in the planning process to provide direction for the development of the plan:

- A lively and engaging place with a diversity of uses, including employment, retail, arts and entertainment, with housing that serves a diversity of ages, incomes, and ethnicities
- A place that is not overly planned, with a “charming chaos” that exhibits a variety of building sizes, styles, and densities where not everything looks the same
- A place with both city-wide and neighborhood-scale public spaces
- A place that attracts and engages a broad spectrum of the community, not just people who live and work here or come to access the transit in the area
- A place that emphasizes and provides for alternative energy, sustainability, walking, biking and possible car-free areas, e.g. “eco-village.”

The vision responded to the existing conditions of the area with a more sustainable, more urban future characterized by higher density mixed-use, multi-modal development as a “neighborhood and a destination.” Urban design strategies in the plan focus on inclusive public spaces that bring





Special Highlight on Boulder Junction

historic attractions, human-scale amenities, and alternative transit modes together to provide diverse housing, new retail, and jobs to the area.

Chapter 6 of the TVAP describes the public improvements necessary for the implementation of the plan, including the key public improvements for Phase 1, which is the area from Valmont Road south to the Boulder Slough and 30th Street to the railroad tracks. A key implementation action was to establish a financing method for the key public improvements, recognizing that the city would need to upfront the money for several of the improvements.

The 2007 Implementation plan included the key public improvements the city would invest in over time and in partnership with private redevelopment. With the recent passage of the Capital Improvement Bond in November 2011, new federal Transportation Improvement Program (TIP) grant funding and the private development that is currently underway, the original funding approach for the city's share of key public improvements and the timing of construction changed.

The original list of key public improvements in the TVAP was limited by the anticipated revenues available. Specific department CIP budgets were established to help pay for or enhance improvements in coordination with private development (such as Depot Square), with funding coming from various development-related fees and taxes in the area. With the recent passage of the Capital Improvement Bond ballot initiative, an additional \$5.06 million has been allocated to help pay for various transportation improvements in the area. Additionally, multiple projects were submitted to DRCOG as part of the TIP application process. The city was awarded a federal grant of \$3.29 million, to go along with an allocation of \$824,000 in matching city transportation funds. The city will continue to pursue opportunities for federal aid transportation grants to help fund infrastructure needs in Boulder Junction.



20th Street Transportation Improvements were completed in 2011

The following public improvements have been completed in the Boulder Junction area:

- 30th Street Improvements (Completed 2011)

This project added bike lanes on 30th Street from Arapahoe Avenue to Pearl Street; a new bridge and pedestrian/bicycle underpass on 30th Street at Boulder Left Hand and North Boulder Farmer's ditch (just south of Pearl Street); new multi-use path connection between the east side of 30th Street and Goose Creek Greenway (the path connection on the west side already exists); mid-block pedestrian crossings on 30th Street between Canyon Boulevard and Walnut Street and between Pearl Street and Goose Creek Greenway; an additional left turn lane for northbound 30th Street at Pearl Street; a 10-foot wide sidewalk on the east side of 30th Street from Arapahoe Avenue to Walnut Street; transit stop

Special Highlight on Boulder Junction



amenities and urban streetscape improvements in portions of the corridor; and undergrounded portions of the power line on the east side of 30th Street.

Total Project Cost: \$9.1 million (\$6.3 million federal, \$2.8 million local)

- Relocation of the Historic Boulder Jaycees Depot (Completed 2008)

The 1890 Union Pacific train depot was relocated to the Boulder Junction area in 2008, through a partnership with Regency Retail partners, the owners of the Crossroads Commons shopping center, and the Boulder Jaycees, who was the owner of the building.



Relocation of the Depot on Oct. 2, 2008

Originally located at 14th St. and Canyon Blvd, the depot was sold by the city to the Boulder Jaycees, who relocated it to the then Pow Pow Rodeo fairgrounds at 30th & Pearl Streets. Over time the fairgrounds were replaced by the Crossroads Commons shopping center, and for many years a more appropriate setting was desired for the depot. As part of the redevelopment of the shopping center, the city agreed to relocate the building to the city-owned property at Boulder Junction. The building has been included in the development of the Depot Square project, and will be restored and occupied by a restaurant tenant.

Total Project Cost: \$750,000.

The following public improvements are proposed for construction in the next few years:

- Pearl Parkway Multi-way Boulevard

Recent redevelopment initiatives in the Boulder Junction area (30th Street and Pearl Streets) have presented an opportunity to construct improvements along Pearl Parkway from 30th Street to the railroad tracks that are pedestrian friendly, multimodal, and integrate parking to create an enhanced "sense of place" that is more supportive of the future adjacent mixed-use development pattern. A new street design has been developed and construction of the multi-way boulevard street design will occur in sections beginning with construction of the south side of Pearl Parkway from 30th Street east to 3100 Pearl in the Fall of 2012. The south side improvements are funded by the 2011 voter-approved Capital Improvement Bond. Detailed information on this project can be found in the Transportation section.

Total Project Cost: \$2 to 2.5 million.

- Junction Place Pearl to Goose Creek Enhancements

As the new Junction Place street is being designed and constructed, enhancements will be funded by the city such as bike lanes, street and sidewalk surface materials, landscaping, streetscape elements, and other possible items. These enhancements will be coordinated with the required construction of this section of Junction Place by the adjacent developer.



Special Highlight on Boulder Junction

This project is anticipated to begin in 2013. Detailed information on this project can be found in the Transportation section.

Total Project Cost: \$1.1 million.

- Junction Place Bridge at Goose Creek

A new bridge will connect Junction Place to 33rd Street, on the east side of the Steelyards development, and is a key public improvement in phase 1 of the Transit Village Area Plan. The project will also include multi-use path connections to the Goose Creek path. Design for the bridge is currently underway. This project is funded by the 2011 voter-approved Capital Improvement Bond. Detailed information on this project can be found in the project information sheet at the end of this section.

Total Project Cost: \$2.56 million.

- New traffic signals

Traffic signals will be installed at the intersection of Bluff Street & 30th Street and Junction Place & Valmont Road. These projects are anticipated to begin in 2017. Detailed information on this project can be found in the Transportation section.

Total Project Cost: \$228,000 (Bluff & 30th) and \$304,000 (Junction Pl & Valmont).

- Multi-use paths

A new multi-use path will be constructed on the north side of Pearl Parkway, consisting of the portion of the proposed Pearl Multiway Boulevard (30th-railroad) and a minimum 10 ft wide, multi-use path extending from the railroad to Foothills Parkway. This project helps to fund the path that is adjacent to the housing and the RTD parcels on Boulder Junction adjacent to Pearl Street. The city received federal funding in the last DRCOG TIP cycle for the 2011 to 2013 funding years. Project construction is expected to begin in early 2013. Detailed information on this project can be found in the Transportation section.

Total Project Cost: \$5 million (\$4 million federal).

- Boulder Junction Pocket Park

This project is a long range infill redevelopment that will include civic public space and a pocket park. Proposed improvements include land acquisition for the $\frac{3}{4}$ -acre civic park, the construction of a Goose Creek multi-use path connection, grading and drainage improvements, hardscape pavers, retaining walls, landscape, irrigation and civic park amenities. The project began in 2011 and is anticipated to complete construction in 2018. Detailed information on this project can be found in the Parks & Recreation section.

The projected total project cost is \$1.64 million.

Table 3-1: 2013-2018 Funding Summary

BOULDER JUNCTION IMPROVEMENT FUND

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
New Construction - Growth Related Facility / Additions										
Boulder Junction - Development Coordination	\$ -	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 500,000	\$ -	\$ -
Boulder Junction - Junction PI Enhancements (Pearl to Goose Creek)	1,082,000	1,082,000	-	-	-	-	-	1,082,000	-	-
Boulder Junction Pocket Park	1,644,688	194,688	-	-	750,000	350,000	350,000	1,644,688	-	-
Boulder Junction - Historic Train Depot Land Cost Reconciliation	787,000	-	787,000	-	-	-	-	787,000	-	-
Boulder Junction - Junction PI Enhancements (Goose Creek to Bluff)	877,000	-	-	877,000	-	-	-	877,000	-	-
Boulder Junction - Traffic Signal at Bluff Street and 30th Street	228,000	-	-	-	-	228,000	-	228,000	-	-
Boulder Junction - Traffic Signal at Junction Place and Valmont	304,000	-	-	-	-	304,000	-	304,000	-	-
Boulder Junction Rail Plaza	374,000	-	-	-	-	-	374,000	374,000	-	-
Subtotal	\$ 5,296,688	\$ 1,401,688	\$ 862,000	\$ 952,000	\$ 825,000	\$ 957,000	\$ 799,000	\$ 5,796,688	\$ -	\$ -
Total	\$ 5,296,688	\$ 1,401,688	\$ 862,000	\$ 952,000	\$ 825,000	\$ 957,000	\$ 799,000	\$ 5,796,688	\$ -	\$ -

Table 3-2: 2012-2017 Funding Summary

CAPITAL IMPROVEMENT BOND BOULDER JUNCTION PROJECTS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Capital Improvement Bond Funding										
Junction Place Bridge over Goose Creek	\$ 2,560,000								\$ 2,560,000	
Junction Place Bridge to Carbon	602,000								602,000	
Pearl Parkway Multiway Blvd. (South Side)	1,465,000								1,465,000	
Other Boulder Junction Transportation Connections	433,000								433,000	
Subtotal	\$ 5,060,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,060,000	\$ -
Total	\$ 5,060,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,060,000	\$ -

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City of Boulder
**SPECIAL HIGHLIGHT ON
CAPITAL IMPROVEMENT BOND**
2013–2018 Capital Improvement Program

Introduction

The Special Highlight on the Capital Improvement Bond section details a significant, multi-department, capital improvement effort currently underway in the City of Boulder. This section includes information on the Capital Improvement Bond issuance, projects funded by the bond, efforts underway by staff to manage these projects, and the next steps in this process. A map of the location of bond projects and project sheets are also included in this section.

Overview of Capital Investment Strategy and Capital Improvement Bond Implementation

In the November 2011 election, City of Boulder voters approved a measure, by a 3-to-1 margin, that would allow the city to leverage existing revenues to bond for up to \$49 million to fund capital projects that address significant deficiencies and high priority infrastructure improvements throughout the community. Because the city was able to leverage existing revenues, the measure did not raise taxes.

To help determine which projects should be part of the 2011 bond package, the city manager appointed a 16-member Capital Investment Strategy stakeholder committee in May, 2011. The committee finalized its recommendations July 11, 2011, which was unanimously supported by City Council and approved by voters. The bond will pay for a list of necessary but previously unfunded projects like roadway repair and reconstruction, park infrastructure improvements, critical software updates, police equipment replacement, installation of missing links in the bike and pedestrian network, and more.

The bond requires that 85 percent of the \$49 million be spent in three years (by March 22, 2015). The bond also requires that the funds be used for capital improvement projects that include:

- Repairing and maintaining streets and pathways
- Repairing and replacing structurally deficient bridges and structures
- Completing missing links in the transportation system
- Repairing and renovating aging city facilities
- Replacing and modernizing core service computer software
- Modernizing basic police and fire safety facilities and equipment
- Renovating and repairing parks and recreation facilities
- Renovating portions of the main library
- Improving connections and streetscapes downtown.

Highlights at a Glance

- 26 categories containing a total of 89 individual projects:
 - ◆ 79 in design & planning phase
 - ◆ 8 under construction
 - ◆ 2 completed
- 10% of total funding spent towards 85% goal as of July 2012



As a result, the city is implementing 89 individual projects throughout the community that are funded by the bond. On Jan. 30, 2012, the city broke ground on the first bond project, a multi-use path connection along the south side of Baseline, near the University of Colorado's Williams Village complex. Throughout the next few years, there will be more construction and improvements occurring along roadways, bike paths, in city buildings and in parks. A website has been created that allows the community to track the progress of implementation of the bond projects at www.bouldercolorado.gov/bondprojects.

Background on Bond Issuance

On February 21, 2012, City Council approved Ordinance No. 7236, which authorized the City of Boulder to issue \$49 million of General Fund bonds for the purpose of funding capital improvement projects. The bond sale was completed March 22, 2012 using the competitive process required by the City Charter to sell the bonds. The \$49 million of bonds have a 20-year payback and 85 percent of the total of the bonds is required to be spent by March 22, 2015.

Due to market conditions at the time that the bonds were sold, the lowest conforming bid with best advantage for the city paid a "premium" to purchase the bonds. The City has received a premium on other past bond issues. A premium occurs when a purchaser is willing to pay more than the face amount of bonds,

and in this case, the purchaser was willing to pay an additional \$5.83 million to buy the bonds. This \$5.83 million does not count against the voted par amount of \$49 million debt issuance. The \$5.83 million is, however, subject to the federal tax laws governing the City's issuance and does count toward the requirement that 85% of the total (\$54.83 million) be spent by March 22, 2015. The premium is currently being held in reserve. It is anticipated that increments of this extra money will be released over time for either unanticipated expenses for current projects or completing additional projects permitted within the parameters of the bond documents.



Groundbreaking of the first Capital Improvement Bond project in January 2012

Project Highlights and Status

There are 89 individual projects that are being implemented with the bond funds. The individual projects are grouped into 26 categories which are briefly described below along with the current status of the projects as of July 2012. Details related to each category are provided in project information sheets later in this section of the CIP document.



1. **Boulder Reservoir Infrastructure Improvements:** Includes improving the entry gate, roadway, parking lot, utility infrastructure, and grounds and landscape. Currently, the city is preparing to initiate construction of the new Gateway Enhancement project at the main Reservoir entrance at 51st Street that will provide improved traffic access, new entry buildings and an improved inspection station for Aquatic Nuisance Species (ANS). This fall, major utility upgrades will be constructed at the South Shore to improve the water and sanitary sewer facilities at the reservoir.
2. **Columbia Cemetery Upgrades and Enhancements:** Includes constructing new fencing, repairing headstones and improving irrigation. Currently, a new fence is under construction along the west property boundary in keeping with the historic quality of the cemetery. The next phase of construction will include installation of a new raw-water irrigation system to improve water conservation and efficiency.
3. **Park Shelter Replacements and Improvements:** Includes maintaining existing park shelters and providing critical shade amenities within multiple parks. Currently, shade shelters are under construction at Valmont City Park and new shade structures will be installed at Foothills Dog Park this fall.
4. **Existing Park and Recreation Facility Renovations:** Includes addressing ongoing maintenance and accessibility while improving the overall safety and enjoyment of park facilities. Currently, Canyon Park, Columbine Park and East Palo Park are under construction with improvements ranging from turf and irrigation renovations, playground replacement, accessibility compliance and replacement of park amenities. This fall, staff will be engaging neighborhoods in discussions related to the next phase of park renovations that will be constructed in 2013.
5. **South Boulder Recreation Center Floor Replacement:** Includes replacing water-damaged wooden floor at the South Boulder Recreation Center (SBRC) gym and racquetball courts. During the design and investigative stages in January 2012, low levels of mercury and lead contamination were found in the underlying floor membrane in the gym, racquetball and Pilates rooms. Although posing no immediate risks to patrons and staff, it was decided to remove the old flooring system in all three rooms. The floor has been replaced and is open for use by the community. The project will be completed in early fall with the final phase of the project providing necessary ADA compliance upgrades that will allow full access to the new gym floor by all members of the community. This work will occur during the break between summer and fall recreation programs in order to minimally disrupt use of the facility. (*Note: original project cost was estimated at \$100,000 but was increased to \$450,000.*)
6. **Downtown Commercial District Improvements:** Includes public right-of-way enhancements to downtown commercial district and Pearl Street Mall. Design work is currently being done with stakeholders (including students from Boulder High School) for 15th Street between Arapahoe and Canyon to improve pedestrian accessibility as well as streetscape character. Initial stakeholder input has been received for streetscape improvements on Pearl Street from 11th to



8th Streets. One of the priorities will be to enhance the pedestrian crossing at 10th Street. An interdepartmental city team and Convention and Visitors Bureau staff are working jointly to place interactive kiosks for public use on the Pearl Street Mall and potentially at other locations. The Convention and Visitors Bureau will pay for the technology and maintain the kiosks. The city will pay for the infrastructure, which will replace existing telephone booths on the mall.

- 7. Main Library Renovation:** Includes three critical renovations and improvements to the Main Library: (a) new children's library to be located in the area near and including the Boulder Creek Room; (b) new teen space; and (c) improved access and browsing area for fiction, movies and music collections near the main entrance on Arapahoe Avenue. The plans for project design and associated public engagement are under development.
- 8. Replace Financial and Human Resources Software:** Includes a comprehensive needs assessment was completed in December 2011 and a resulting Request for Proposals (RFP) was issued with a due date of June 28, 2012. Current plans call for the city to select a vendor and begin implementation by January 2013 with a system go-live date in late-2014.
- 9. Major Business Software Replacement:** Includes replacing and augmenting major business software, such as asset/maintenance management, records management, website/eGov, and permit systems. Specifications for the asset/maintenance management system are being considered with the financial/HR system RFP. An implementation plan for the records management software is being completed and implementation is anticipated to begin during fourth quarter 2012 and extend to third quarter 2014. A vendor is currently engaged to redesign the city's website, and the city has executed an agreement to work cooperatively with the City of Arvada to co-support their web content management system, resulting in the planned release of a new city website by year-end. In addition, a web-based Constituent Relationship Management (CRM) system has been selected with implementation also planned by the end of the current year. An internal needs assessment is underway. The procurement process for the permit system replacement is planned to be complete by the end of first quarter 2013. It is anticipated that the implementation will take from 12-18 months.
- 10. Facility Electrical, Plumbing, HVAC and Elevator Replacements:** Includes infrastructure replacement for overdue replacement and repair projects such as at the Public Safety Building, Municipal Building, Main Library, Dairy Center, and Fleet Services. Design for these projects is underway as part of the city's Energy Performance Contract, with the exception of the elevator repairs at the Public Safety Building and Main Library which were advertised for proposals in June 2012.
- 11. Facility Parking Lot Repair:** Includes repair and complete maintenance needs for some of the city's asphalt parking areas, including downtown facilities and fire stations. The 20 parking lots to be repaired in 2012 include lots in the downtown campus area, the fire stations, Spruce Pool, Reynolds Library, Harbeck House, and the Dairy Center. Repair estimates have been



received from an asphalt repair company and are being scheduled for the summer and fall seasons. This work will be awarded as part of a regional contract to improve efficiency and coordination with ADA compliance work.

- 12. Facility Outdoor Lighting:** Includes parking lot lights in the public lot next to the Park Central building at the corner of Broadway and Arapahoe. This funding will provide for a solar canopy, car charging, and lighting projects, which would eliminate electrical conduit runs. Work will be accomplished in 2012.
- 13. Facility ADA Compliance:** Includes adapting potentially up to 56 city facilities that do not meet the 2010 requirements of the Americans with Disabilities Act (ADA). This project will be coordinated with the parking lot repair project in 2012 and 2013. So far, two facilities have been assessed for comprehensive ADA compliance, and recommendations are being prioritized.
- 14. New Wildland Fire Station:** Includes consolidating the operations of the Boulder Fire-Rescue Department's Wildland Fire personnel into one facility from the three facilities they currently use. An architectural firm selection is in-progress to develop the building design. For the remainder of 2012, design and development review are planned. Construction is scheduled to start in early to mid-2013.
- 15. Replace Substandard Bridges, Structures, Signs and Systems:** Includes the replacement of the 63rd Street Bridge, irrigation system replacement on the Foothills Parkway landscaping, replacement of substandard signs and the replacement of signal light bulbs with LED lights. The Foothills irrigation system replacement between Colorado and US 36 is being designed and construction will start later this year. The substandard sign installations have started and all of the traffic signal lighting (red, yellow and green) has been replaced with LED displays.
- 16. Arterial Road Reconstruction:** Arapahoe is the arterial in highest need of reconstruction. The funding dedicated for this category will allow the worst sections of Arapahoe to be reconstructed. Design and public process are underway for the section of Arapahoe from Folsom to 17th Street and available money will dictate the length of roadway that can be completed.
- 17. Road Pavement Repair:** Includes overlay and chip seal of various streets throughout the city. Approximately one-third of the funds will be spent each year to overlay approximately 50 blocks, or 5.5 miles, of roadway, in addition to the city's annual repair schedule.
- 18. Road Reconstruction:** Includes reconstruction of streets that rate below 25 that are mostly lower volume streets and cul-de-sacs. Approximately one-third of the funds will be spent each year to reconstruct approximately 14 blocks, or approx 1.5 miles of roadway, in addition to the city's annual reconstruction schedule.
- 19. Transportation Boulder Junction Improvements:** Includes the Junction Place Bridge at Goose



Creek and the Pearl Parkway Multi-Way Boulevard from 30th to BNSF Railroad tracks on the south side of Pearl. The south side of Pearl Parkway design is completed, and construction is planned to start later this year. The Junction Place Bridge at Goose Creek is being designed.

20. Transportation Transit System Enhancements: Includes two projects, the largest of which is the 14th and Walnut Street Transit Center Improvements. The second project provides additional money for transit stop improvements throughout the city. The designs for both of these projects are underway, and construction is anticipated to start on both later this year.

21. Transportation New Multi-Use Path Connections: Includes constructing a multi-use path on 28th Street from Arapahoe to Goose Creek, which is in the design process. It also includes various multi-use path connections throughout the city. A connection on the south side of Baseline east and west of 30th Street and pedestrian crossing improvements at Baseline and Canyon Creek were completed this year. The next project to be completed is Foothills Path to Morgan Drive, and construction is planned to start later this year.

22. Transportation Pedestrian Enhancements: Includes pedestrian crossing treatments, small and large missing sidewalk links and pedestrian improvements at Manhattan and S. Boulder Road. The enhancements to the pedestrian crossing at Canyon and 21st Street have been completed as well as the missing link on Gillaspie from Greenbriar to Julliard. The Folsom sidewalk south of Arapahoe on the east side is nearly complete and the next missing link to be completed will be short sidewalk sections on Pine Street and 27th Street.

23. Transportation Intersection Improvements: Includes improvements at the Foothills/Baseline intersection, the Diagonal/Foothills intersection and the South Boulder Road/Manhattan Intersection. These projects are in the early stages of design.

24. Transportation Bike System Enhancements: Includes additional bike system signage such as the designation of new on-street bike routes and installing way-finding and destination signs along existing greenways. Sign installation is on-going. The remaining money is for striping new on-street bike lanes on existing streets identified in the Transportation Master Plan. The bike lane striping has not begun yet.

25. Police Equipment: Includes upgrading the records management system and adding more in-car video systems to the patrol fleet. The city is in the process of getting the final cost estimate to upgrade the records management system and testing the video devices. It is anticipated that the city will make a decision soon regarding the purchase of additional car or personal unit video devices (those worn on the officer's uniform).

26. Police Equipment Upgrades and Replacement: Includes replacing the bomb squad robot, and purchasing equipment to operate a DNA Lab in Boulder in partnership with the Colorado Bureau of Investigation (CBI), and upgrading the emergency radio infrastructure. The bomb robot is being built and the purchase order has been issued. Negotiations are continuing with CBI for an operating agreement for the DNA lab. The city is working on architectural drawings



of the existing space, needed equipment has been identified, and bids are being obtained for security features for the space. A long-term lease has been signed and licenses have been obtained from the Federal Communications Commission (FCC) for the new radio frequencies. The police channel was brought online in June 2012 and the city is in the process of completing the installation of the equipment that will make the city’s new fire channel operational.

Implementation

To ensure that the city meets the spending and timing requirements of the capital improvement bond, the city has collected spending plans for each project and closely monitors construction progress. Table 4-1 shows the annual expenditure plan for each project for 2011 through 2015. All funding in the project sheets that follow the table is shown prior to 2013 because the bonds were sold in 2012 and all funds were accounted for in 2012.

As part of the city’s ongoing effort to improve the financial information conveyed in the CIP, the expenditure information collected for each of the capital bond projects is included in the specific project sheets and summarized in Table 4-1. The project sheets contain two additional sets of financial information which have not been previously collected for CIP projects:

- Estimated Total Cost Table - breaks down the estimated total project cost into elements such as planning/design, construction, implementation, and land acquisition; and
- Capital Expenditure Plan Table - shows when the project will be constructed and the money spent.

These additions to the capital improvement bond project sheets are a continuation of several efforts made over the past few years to expand the collection and use of expenditure and construction completion information in the CIP. These financial details are a preview of how all CIP project sheets will be structured in the future.





Next Steps

Council will be updated on the capital improvement bond progress through semiannual updates as part of an Information Packet item. These will be timed to coincide with the Adjustments to Base council budget memos, which typically occur in April and October.

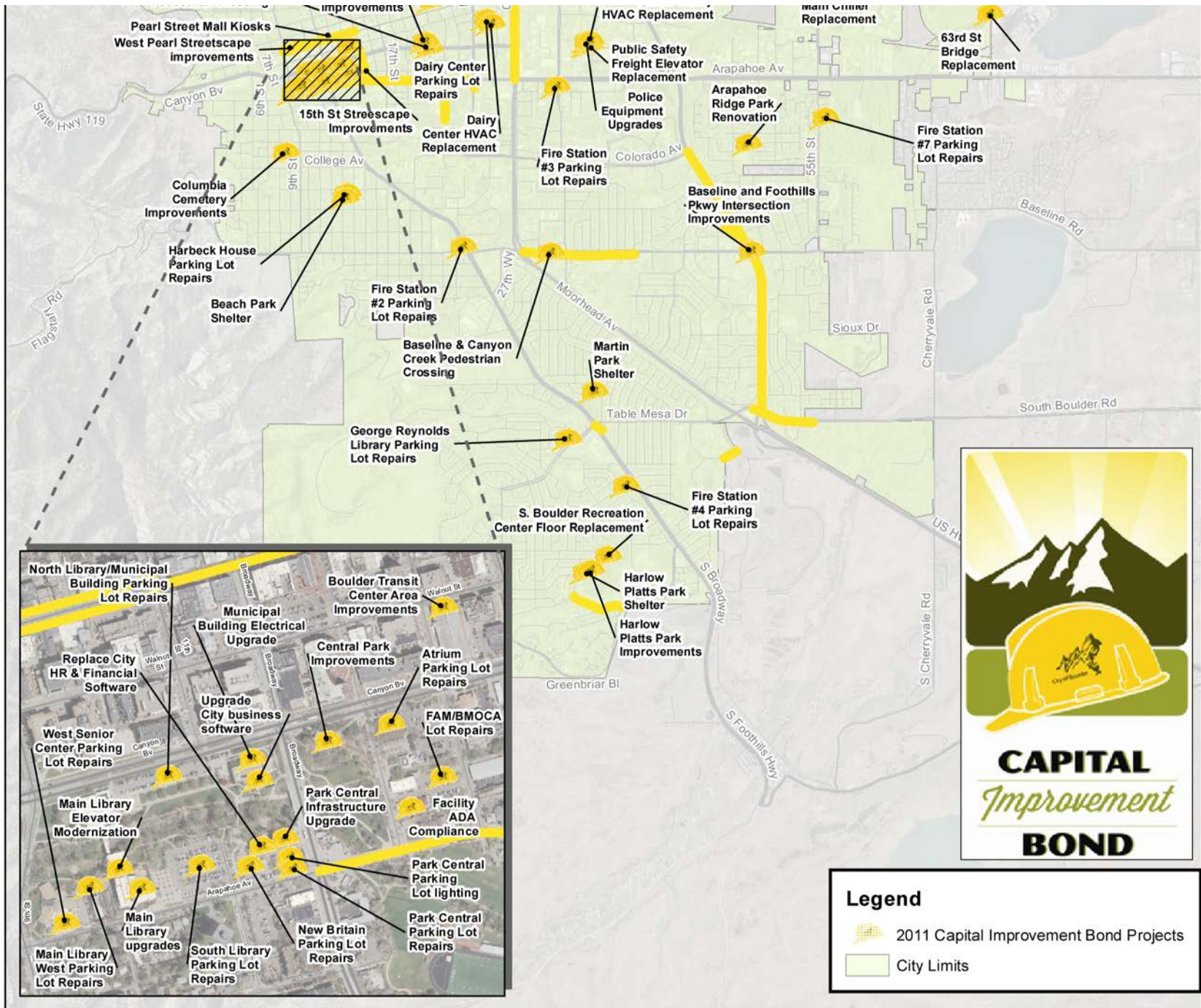
In addition, public updates will be announced through press releases, social media and other commemorative events as some of the key projects break ground or are completed. Those projects that have traffic or multi-use path impacts will be provided to the public and media through weekly “Cone Zones” reports and other outreach materials. A map of the projects and status updates are available at www.bouldercolorado.gov/bondprojects.

Future CIP documents will continue to include a section on the capital bond projects until they are completed.

Table 4-1: 2011-2014 Spend Plan

CAPITAL IMPROVEMENT BOND

Project Category	Category Total	Planned Spending by Year			
		2011	2012	2013	2014
Arterial Road Reconstruction	\$ 5,000,000	\$ -	\$ 500,000	\$ 500,000	\$ 4,000,000
Boulder Reservoir Infrastructure Improvements	3,000,000	-	1,500,000	1,500,000	-
Columbia Cemetery Upgrades/ Enhancements	550,000	-	150,000	150,000	250,000
Downtown Commercial District Improvements	2,500,000	-	740,000	360,000	1,400,000
Existing Park or Recreation Facility Renovations	3,700,000	-	1,000,000	1,200,000	1,500,000
Facility ADA Compliance	500,000	-	200,000	300,000	-
Facility Electrical, Plumbing, HVAC and Elevator Replacements	925,000	-	925,000	-	-
Facility Outdoor Lighting	50,000	-	50,000	-	-
Facility Parking Lot Repair	500,000	-	500,000	-	-
Main Library - Library Facility Upgrades / Enhancements	2,450,000	-	187,200	1,508,600	754,200
Major Business Software Replacement	1,602,600	-	390,000	798,600	414,000
New Wildland Fire Facilities	1,150,000	-	120,000	1,030,000	-
Park Shelter Replacements / Improvements	1,000,000	-	500,000	500,000	-
Police Equipment	328,000	-	150,551	61,526	115,923
Police Equipment Upgrades/ Replacement	660,000	-	660,000	-	-
Replace Financial and Human Resources Software	2,803,000	-	1,476,374	907,750	418,876
Replace Substandard Bridges, Structures, Signs and Systems	4,500,000	-	650,000	1,425,000	2,425,000
Road Pavement Repair	5,000,000	-	1,700,000	1,700,000	1,600,000
Road Reconstruction	2,500,000	-	1,000,000	750,000	750,000
SBRC Floor Replacement	450,000	-	450,000	-	-
Transportation Bike System Enhancements	300,000	5,120	152,269	142,611	-
Transportation Boulder Junction Improvements	5,060,000	-	1,551,541	2,864,459	644,000
Transportation Intersection Improvements	500,000	-	65,000	221,000	214,000
Transportation New Multi Use Path connections	2,000,000	5,229	573,771	1,209,000	212,000
Transportation Pedestrian Enhancements	850,000	5,658	269,342	400,000	175,000
Transportation Transit System Enhancements	600,000	-	300,000	300,000	-
Total	\$ 48,478,600	\$ 16,007	\$ 15,761,048	\$ 17,828,546	\$ 14,872,999





Project Name: Arterial Road Reconstruction

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Transportation	Subcommunity:	Central Boulder
Funding Source:	2011 Capital Investment Bond	BVCP Area:	Area I
Project Number:	2	Map Number:	213
CEAP Required:	No	CEAP Status:	

Project Description

This project would fund reconstruction of the arterial street in the worst condition. The highest need is on Arapahoe Avenue from Broadway to Folsom, with a total project cost of \$10 million. This project was funded at \$5 million, so work will consist of reconstructing a portion of Arapahoe that is in the worst condition; likely from Folsom to 17th Street. The project will include removal and replacement of the pavement, new curb, gutter and sidewalks, upgraded access ramps and landscaping where space allows. It is anticipated that this pro-

Relationship to Guiding Principles

Reconstruction of Boulder's arterial streets is important to maintaining mobility, safety and connectivity. These projects rebuild the entire street section, including upgrading underground utilities, refining cross slopes, and bringing curb & gutter, sidewalks, drainage and other elements up to standard. In some cases, replacing asphalt with concrete can result in maintenance cost savings over time. Maintaining the existing infrastructure is the highest priority in the TMP.

Public Process Status, Issues

Public Process: It is anticipated there will be public process focused on the adjacent properties and the users of the corridor during the earlier phases of the design process and closer to construction to talk about impacts during construction. There will be extensive coordination with impacted utilities in the area and with the larger adjacent property owners like CU and Naropa.

Status: An on-call consultant has prepared a conceptual design report that identifies potential issues, shows preliminary cross sections, and a conceptual cost estimate. A geotechnical engineer has completed borings, analysis, and pavement design recommendations. A project manager has been assigned to this project, we have contracted for project surveying and continued design services, and design work has begun. The construction management will be by city staff and/or consultant technician support, with the cost estimates for this work included in the cost estimate. The construction will be bid. The project will likely go to TAB at least once for review and comment.

Issues: This project will require design coordination with utilities and adjacent property owners. The utility work could be extensive and may want to be completed in advance of the rest of the construction. There is not a lot of area for detouring, so the project traffic control will be a big task to figure out. It may make sense to close Arapahoe in one direction for portions of the project, and maintaining access to adjacent properties will be somewhat complex. There will also be irrigation ditch coordination as there is at least one irrigation

Relationship with Other Departments

Coordination with the Utility Department will be required for any impacts or upgrades to existing utilities including water, wastewater, and storm drainage. We will coordinate with Forestry/Parks to strategize on any tree impacts. There will be coordination with irrigation ditch companies that have ditches in the area.

Changes from Past CIP



Arterial Road Construction continued

Estimated Total Cost	
Project Cost	
Survey / Design / Public Process	\$500,000
Permitting / ROW / Utility relocation	\$500,000
Construction	\$4,000,000
Total Project Cost	\$5,000,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$5,000,000
Funding Total	(5,000,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$5,000,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$5,000,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$500,000
Six Year Expenditure Plan	
2013	\$500,000
2014	\$4,000,000
2015	
2016	
2017	
2018	
Subtotal	\$4,500,000
Total Funding Plan	\$5,000,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

Will reduce on-going maintenance costs for some period of time after the construction is complete.



Project Name: Boulder Reservoir Infrastructure Improvements

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	Parks & Recreation	Subcommunity:	Area III
Funding Source:	2011 Capital Investment Bond	BVCP Area:	Area III
Project Number:	5	Map Number:	203
CEAP Required:	No	CEAP Status:	

Project Description

This project will address major infrastructure needs at the Boulder Reservoir including entry gate fencing, roadway and parking lot improvements, water and sewer utility and stormwater management infrastructure, grounds and landscaping improvements, and raw water irrigation system improvements. The funding will also address the need to complete the Aquatic Nuisance Species (ANS) wash station and monitoring system as proposed by the Reservoir Master Plan. This project was determined as a high priority bond program initiative by the Parks and Recreation Advisory Board (PRAB).

The Boulder Reservoir recreation area is a significant revenue producing resource for the Parks and Recreation Department. Over time, the infrastructure, facilities, and park amenities have fallen into disrepair and improvements are required to maintain uses at the reservoir as well as prepare for future anticipated needs. This project will provide access to a wide range of users, improve recreational opportunities, and conserve natural resources at the Reservoir.

Failing to address these needs may potentially result in closure of public facilities and operational areas of the Reservoir within the next five years. As a major revenue source for Parks and Recreation, the reservoir provides revenues beyond essential operating costs. While annual revenues help offset operating expenses, capital expenditures are a major concern, including the need to improve existing sewer and water systems that are obsolete and require additional maintenance costs and excessive utility costs to the Department. An example is that the current domestic water system is on the Left Hand Water District water which is more costly than City of Boulder water. Among other things, this project would assist in addressing the infrastructure costs to transition from Left Hand Water to City of Boulder water. The return on investment for this upgrade alone would pay back the investment within 3-5 years. The CIP investment for Reservoir improvements is near the top of the list for the Department.

Multiple infrastructure projects have been identified in the Boulder Reservoir Master Plan as critical deficiencies. These projects are included in the proposed 2011 Capital Investment Bond Fund program. In addition, several other related projects will be addressed in the upcoming Site Management Plan process to be initiated

Relationship to Guiding Principles

The 2006 Parks and Recreation Master Plan includes a goal to invest in revenue-producing facilities as well as a recommendation to prepare a management plan for the Boulder Reservoir. The 2010 Recreation Program and Facilities Plan includes recommendations on maximizing facility use and special event opportunities at priority locations to improve revenue earning potential and to meet the departments overall sustainable economic objectives. In addition, the Boulder Reservoir Master Plan identifies a number of specific action plan strategies that call for a reinvestment of resources to improve programs, operations, and capital improvements at the reservoir over the next 5 years.



Boulder Reservoir Infrastructure Improvements continued

Public Process Status, Issues

Public Process: The Boulder Reservoir Master Plan process has engaged an appropriate public process over the 18-months that has included significant public input and technical analysis. In addition, the upcoming Site Management Plan will continue to extend an open process to engage the general public, intra-departmental agencies, and staff throughout the planning process.

Status: It is anticipated that the Boulder Reservoir Master Plan will be adopted by PRAB in November 2011 and accepted by City Council in January 2012. The subsequent Site Management Plan will then be initiated during the first quarter of 2012 and completed in early 2013. Specific projects such as the Entry gateway and water and sewer infrastructure system redevelopment are currently in design, review, and permitting phases. These projects will be ready to go to construction upon review and permitting by the State of Colorado Department of Public Health and Environment. Once the State has issued the appropriate permits, the project will be ready to go to a competitive bid process. It is anticipated that these principle infrastructure projects (Entry gateway and water and sewer infrastructure upgrades) will exceed a one year construction period.

Issues: The Parks and Recreation Department anticipates the need to fill a critical and currently funded and vacant Landscape Design II position to assist in the project management and administration of the Boulder Reservoir infrastructure improvement projects associated with the 2011 Capital Investment Bond Funding program.

Relationship with Other Departments

The Parks and Recreation Department will coordinate with Public Works – FAM and Utilities to define required engineering, architectural and construction services/project needs, and coordinate throughout the design and construction process as appropriate.

Changes from Past CIP



Boulder Reservoir Infrastructure Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Planning and Design	\$300,000	Project Cost Total	\$3,000,000
Permitting	\$300,000	Funding Total	(\$3,000,000)
Construction	\$2,400,000		
		Total Unfunded	\$0
Total Project Cost	\$3,000,000		

Capital Funding Plan		Capital Expenditure Plan	
Funding Prior to 2013	\$3,000,000	Expenditures Prior to 2013	\$1,500,000
Six Year Funding Plan		Six Year Expenditure Plan	
2013	\$0	2013	\$1,500,000
2014	\$0	2014	\$0
2015	\$0	2015	\$0
2016	\$0	2016	\$0
2017	\$0	2017	\$0
2018	\$0	2018	\$0
Subtotal	\$0	Subtotal	\$1,500,000
Total Funding Plan	\$3,000,000	Total Funding Plan	\$3,000,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:



Project Name: Columbia Cemetery Upgrades / Enhancements

Project at a Glance

Project Type: Existing Facility – Enhancements/Upgrades

Department: Parks & Recreation

Subcommunity: Central Boulder

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area I

Project Number: 21

Map Number: 204

CEAP Required: No

CEAP Status:

Project Description

This project includes improvements at the Columbia Cemetery, including headstone rehabilitation, fence repairs, and improvements to the raw water irrigation system. This project is critical to maintain existing valued park and cultural resources and to improve water conservation efforts as part of the Columbia Cemetery Historic Landmark site.

The return on investment associated with improvements to cultural and natural resources in the community is critical in maintaining a high quality of life standard in the community. Supplemental funding is needed to support improvements to the Columbia Cemetery, including headstones, landscape and irrigation systems because no other funding source is available. Without a dedicated funding source, this type of project will likely not move forward and only essential maintenance needs will be considered.

The initial facility planning may begin in 2014. Phase I design is anticipated to be completed by 2014 with construction scheduled for 2015–17.

Relationship to Guiding Principles

The 2006 Parks and Recreation Master Plan defines the need to reinvest in existing urban parks and to maintain existing valued resources and improve water conservation efforts when ever possible. The Parks and Recreation Department continues to seek funding opportunities to protect and enhance critical historic and cultural facilities that fall under the oversight of Parks and Recreation Department.

The need to establish a funding source for the assessment, maintenance and modification of these resources is a high priority. The return on investment associated with improvements related to cultural resources is critical in maintaining a high quality of life standard in the community. Supplemental funding is needed to support improvements for identified projects and assets. Without a dedicated funding source, this type of project will not move forward and only essential maintenance needs will be considered.

Public Process Status, Issues

Public Process: Initial user group discussions will be scheduled early in the planning process to engage various stakeholders of the purpose and intent of individual projects as identified for the cemetery.

Status: Cemetery fence repairs and improvements to the raw water delivery system will require design and permitting. Coordination with city department reviews and neighborhood coordination efforts will be developed during 2012. Construction improvements would occur over a two year period.

Issues: The Parks and Recreation Department will work with the Historic Landmarks Board to address critical review and approvals. In addition, the currently funded and vacant Landscape Design II position will be required to be filled to provide essential project management and administration of the cemetery improvement projects associated with the 2011 Capital Investment Bond Funding program.



Columbia Cemetery Upgrades / Enhancements continued

Relationship with Other Departments

The Parks and Recreation Department will coordinate with other departments as appropriate.

Changes from Past CIP

Estimated Total Cost

Project Cost

Planning and Design	\$50,000
Construction	\$500,000

Total Project Cost \$550,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$550,000
Funding Total	(\$550,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$550,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$550,000

Capital Expenditure Plan

Expenditures Prior to 2013 \$150,000

Six Year Expenditure Plan

2013	\$150,000
2014	\$250,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$400,000

Total Funding Plan \$550,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:



Project Name: Downtown Commercial District Improvements

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: DUHMD

Subcommunity: Central Boulder

Funding Source: 2011 Capital Investment Bond

BVCP Area:

Project Number: 26

Map Number: 200

CEAP Required: No

CEAP Status:

Project Description

Construct public right of way enhancements to the downtown commercial district, including the Pearl Street Mall. The projects include: pedestrian streetscape enhancements to 15th Street, West Pearl; pedestrian improvements as part of the Downtown Transit Center project will increase bus lanes; targeted enhancements to the Pearl Street Mall; and infrastructure improvements to the 13th Street/Central Park area to accommodate the needs of the Farmers' Market.

2012 – 15th St Landscape Implementation
Pearl St Info Kiosks Implementation

2013 – West Pearl Design
Central/Civic Park Design
14th St Transit Center Implementation
Corridor St Tree Enhancements Implementation

2014 – West Pearl Implementation
Central/Civic Park Implementation

Relationship to Guiding Principles

Enhancements to the downtown commercial district are a reinvestment which supports the future sustainability of downtown, including the highly visited areas such as the Pearl Street Mall, Downtown transit center, and the 13th Street/Central Park improvements, which will also accommodate the needs of the Farmers' Market.

Downtown's economic vitality and cultural vibrancy depend on dynamic and attractive public spaces and public right of ways that reinforce the community's commitment to a high level of quality of life for business retention, tourism and community benefit. Private investment follows public investment. Should downtown and the Pearl Street Mall become out-dated and not fully use technology, it would negatively impact the social and economic sustainability of the downtown and the community.

1. Master Plan: DUHMD/PS's plans to create a master plan have been postponed to 2012 due to work plan constraints.
2. Community Sustainability Goals: Downtown and Pearl Street Mall Improvements are very closely aligned with the social and economic sustainability goals. Downtown is the primary community gathering place, commercial center and tourism attraction in Boulder, and thus is an important economic generator and source of community pride. A reinvestment strategy needs to be in place to ensure the Pearl Street Mall and downtown remain a vital and attractive city center for residents, visitors and employees. The downtown area provides for a quality of life that attracts and retains diverse businesses, and is the site for dozens of community events



Downtown Commercial District Improvements continued

that create an inclusive and socially thriving community. We have a world class downtown and need to ensure that it stays that way.

3. Maintenance and Operations: Future replacement funds for new improvements will need to be integrated into the downtown and Pearl Street Mall amenities replacement fund. On-going daily maintenance of the Pearl Street Mall and downtown amenities is currently covered by Parks and Recreation, DUHMD/PS and the Downtown Boulder Business Improvement District.

4. Emerging Needs: The proposal for Downtown/Pearl Street Mall Improvements specifically addresses this guiding principle by anticipating future development of the public right of way to meet emerging needs. Several examples include funding for pedestrian improvements to complement the proposed transit improvements at the 14th and Walnut Street Station, which has the second-highest boardings in the entire RTD system; allocating funds for the design and implementation for future needs in the Central Park area, including the potential expansion of the Boulder County Farmers' Market; and retrofitting mall phones by transforming a non-used utility (pay phones) into a digital public information kiosks.

5. Supporting City Business Systems: Not applicable.

6. Improving existing assets: The Downtown/Pearl Street Mall Improvement fund would build on the current success existing Pearl Street Mall and downtown assets.

7. Meeting Mandates, etc.: Investment in the public infrastructure is a precursor to private development.

8. Efficiency of Investments – Cost Benefit and Coordination of Departments: Continuing to enhance the existing public infrastructure enriches the public right of way and supports a higher level of building investment. DUHMD/PS works closely with other departments such as FAM, Transportation, and Parks and Recreation to coordinate planning and developments in the public right of way.

9. Sound Fiscal Foundation: Does not directly apply.

Public Process Status, Issues

A Downtown Improvement Plan Task Force has been working to prioritize and identify improvements. Staff on the task force represent Parks and Recreation, Planning, Transportation, DUHMD/PS and Facilities Asset Management. Also included are representatives from the downtown boards and organizations: Downtown Management Division, Downtown Boulder Inc. and Downtown Boulder Business Improvement District. Additional stakeholders will be added as the project evolves. The primary foci of the task force as been twofold. First, working with Parks, GIS and FAM staff to create an inventory of existing amenity and streetscape improvements on the Pearl Street Mall and the downtown. The second component has been the recommendation for areas for future streetscape and infrastructure improvements. The Task Force developed matrices based on economic, environmental, social and operational factors. The recommended projects include: 15th Street Streetscape Implementation, West Pearl Streetscape, 11th Street Corridor, Central/Civic Park, Pearl Street Mall Info Kiosks, and 14th Street Transit mall Pedestrian Improvements.

In 2011, the first project–13th Street improvements for the Farmer's Market was completed.

The recommendations for future improvements respond to several issues. Staff has been in discussion with Planning regarding the SODA (South of Downtown Area) study that has been proposed for 15th Street between Canyon and Arapahoe. Pedestrian improvements to the 14th Street Transit street would add value to the planned transit enhancements to the 14th/Walnut bus station.



Downtown Commercial District Improvements continued

Relationship with Other Departments

DUHMD/PS staff is working with staff from Transportation, and Parks and Recreation to coordinate capital improvement plans and sidewalk repair projects. In particular, staff is working closely with Parks and Recreation regarding their CIP for Pearl Street Mall related infrastructure; such as the replacement of the irrigation system.

Changes from Past CIP

Estimated Total Cost

Project Cost

Design	\$110,000
Implementation	\$2,390,000

Total Project Cost **\$2,500,000**

Unfunded Amount

Unfunded Amount

Project Cost Total	\$2,500,000
Funding Total	(\$2,500,000)

Total Unfunded **\$0**

Capital Funding Plan

Funding Prior to 2013 \$2,500,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$0**

Total Funding Plan **\$2,500,000**

Capital Expenditure Plan

Expenditures Prior to 2013 \$740,000

Six Year Expenditure Plan

2013	\$360,000
2014	\$1,400,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$1,760,000**

Total Funding Plan **\$2,500,000**

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:



Project Name: Existing Park and Recreation Facility Renovations

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: Parks and Recreation

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area:

Project Number: 9

Map Number: 205

CEAP Required: No

CEAP Status:

Project Description

Renovate existing park and recreation facilities at high priority park locations that include Canyon Park, Columbine Park, Crestview Park, East Palo Park, North Boulder Park, Pineview Park and other high priority parks in the city. Park improvements range from playground, irrigation, soil and turf, hardscaping, ADA accessibility, facility improvements (shelters, pool bathhouse, parking lot and skate park fencing), play court resurfacing, signage, and repairs at park entry sidewalks, access, and trail surfacing. This project was determined as a high priority bond program initiative by the Parks and Recreation Advisory Board (PRAB).

This project will address ongoing maintenance and ADA accessibility considerations, improve overall safety of parks, and accelerate the general renovations of the existing park system. The Parks and Recreation Departments is required to meet specific industry standards addressing health and safety, universal accessibility, and levels of service that support a wide range of individuals throughout the community. If funding for this project is not provided, the impact to the community could be a growing backlog of park care needs. Potentially, parks and certain park amenities such as playgrounds and fields, will need to be closed due to failing infrastructure and safety and ADA compliance issues. In addition, existing work projects will cost more and take more time to complete due to the additional needs for each subsequent park or facility. Park amenities and equipment and irrigation systems intended to optimize water efficiencies and sustainability performance measures throughout our park system will take much longer to complete as the current funding level only addresses the goal of renovating one park per year. This CIP need is the highest priority of the Department.

Relationship to Guiding Principles

The Parks and Recreation Department continues to seek opportunities to provide quality recreational services including provisions for parks and recreation amenities and facilities. The 2006 Parks and Recreation Master Plan includes a goal to invest in revenue-producing facilities such as parks and recreational centers as well as to fill in the gaps in recreational programs. Boulder needs to maintain and improve upon existing recreational facilities and amenities in order to retain a competitive market share in the community. Recreational facilities require a significant degree of ongoing annual maintenance and repair. At times, it is also important to provide periodic restoration changes to facilities to accommodate new programs and equipment designed to address demands of the public.

Public Process Status, Issues

Public Process: The Parks and Recreation Master Plan identifies parks and recreational needs in the community through an extensive public process and survey mechanism. In addition, staff continually receives input and requests for park and recreation improvements throughout the community. Staff maintains an extensive database of priority park and recreational facility needs. As projects are further defined, initial user groups will be scheduled in the planning and design process to alert recreation center users of the programming enhancements. Periodic updates will occur throughout the process to engage interest groups as necessary.



Existing Park and Recreation Facility Renovations continued

Status: Neighborhood and pocket park priority lists provide critical information on park needs, life cycle equipment replacement needs, and order of magnitude costs. Projects will be bundled based on needs to gain optimal efficiencies, considering staffing, funding, and bid cost results.

Issues: The Parks and Recreation Department anticipates the need to fill a critical and currently funded and vacant Landscape Design II position to assist in the project management and administration of the parks and infrastructure improvement projects associated with the 2011 Capital Investment Bond Funding program.

Relationship with Other Departments

The Parks and Recreation Department will coordinate with other departments to define areas of overlap and efficiencies and coordinate throughout the design and construction process as appropriate.

Changes from Past CIP

Estimated Total Cost

Project Cost

Planning and Design	\$300,000
Construction	\$3,400,000

Total Project Cost \$3,700,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$3,700,000
Funding Total	(\$3,700,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013	\$3,700,000
-----------------------	-------------

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$3,700,000

Capital Expenditure Plan

Expenditures Prior to 2013	\$1,000,000
----------------------------	-------------

Six Year Expenditure Plan

2013	\$1,200,000
2014	\$1,500,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$2,700,000

Total Funding Plan \$3,700,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Additional Annual O&M Description:

Funding Source:



Project Name: Facility ADA Compliance

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: PW/ Facilities & Asset Management **Subcommunity:** Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond **BVCP Area:** Area 1

Project Number: 22 **Map Number:** 208

CEAP Required: No **CEAP Status:**

Project Description

This project will adapt 56 city facilities that do not meet the new requirements of the Americans with Disabilities Act (ADA). This will include the compliance assessment and will correct the deficiencies the assessment finds. It's anticipated that \$200,000 will be expended in 2012 and \$300,000 will be expended in 2013. This project will be coordinated with the parking lot repair project.

Relationship to Guiding Principles

CIP #2 – CIP should achieve Community Sustainability Goals: Social–enhancements that improve accessibility to city services and resources provided to the community, and ensure compliance with federal law. The Americans with Disabilities Act (ADA) changed in 2010, and now requires that all municipalities audit their facilities for compliance with ADA and correct all deficiencies by 2015. Should the city not be in compliance with ADA requirements, it leaves itself open for possible litigation.

Public Process Status, Issues

Public Process: Permits may be required for some of the work.

Status: ADA assessments of existing facilities for compliance with ADA 2010 standards started in September of 2011. Follow up work to this assessment is to be scheduled in 2012 and 2013. Project management is estimated at 200 hours in 2012 and 300 hours in 2013.

Issues: None at this time

Relationship with Other Departments

FAM will coordinate with affected departments.

Changes from Past CIP



Facility ADA Compliance continued

Estimated Total Cost	
Project Cost	
Implementation	\$500,000
Total Project Cost	\$500,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$500,000
Funding Total	(\$500,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$500,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$200,000

Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$500,000

Six Year Expenditure Plan	
2013	\$300,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$300,000
Total Funding Plan	\$500,000

Additional Annual Operations and Maintenance

Additional Annual O&M:
Additional Annual O&M Description:

Funding Source:



Project Name: Facility Electrical, Plumbing, HVAC, and Elevator Replacements

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: PW/ Facilities & Asset Management **Subcommunity:** Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond **BVCP Area:** Area 1

Project Number: 4 **Map Number:** 209

CEAP Required: No **CEAP Status:**

Project Description

Work for this project includes the following:

- Fleet Services – Replace Main Chiller – \$200,000
- Public Safety Building – Replace HVAC system and Boilers – \$200,000
- Public Safety Building – Replace Freight Elevator – \$50,000
- Dairy Center – Replace HVAC System – \$50,000
- Main Library – Modernize Elevators – \$120,000
- Park Central – Upgrade Infrastructure – electrical, plumbing, fire detection and alarms – \$240,000

Relationship to Guiding Principles

CIP #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets. This project replaces many facility infrastructure systems that are past their useful life. Systems are obsolete and parts are hard to obtain which leads to unscheduled failures that have operational impacts to occupants and users of some essential facilities. Not replacing building infrastructure that is past due its replacement affects the city operations in those facilities in numerous ways including:

- Higher energy bills due to equipment that is typically 30% less efficient than today's technology;
- Diminished building comfort because control technology in older systems often are both heating and cooling at the same time;
- Increased down time because parts being hard to find result in systems often being down for a longer time as specialty parts are ordered.

Public Process Status, Issues

Public Process: Permits may be required for some of the work above.

Status: Project management is estimated at 650 hours for 2012 and 270 hours for 2013. The majority of the work was awarded Jan. 24, 2012, as part of the Energy Performance Contract, Phase 3. Work will begin when funding appropriation is available.

Issues: Scheduling during off-season for HVAC systems would be necessary.

Relationship with Other Departments

FAM will coordinate with affected departments.

Changes from Past CIP



Facility Electrical, Plumbing, HVAC, and Elevator Replacements continued

Estimated Total Cost	
Project Cost	
Implementation	\$925,000
Total Project Cost	\$925,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$925,000
Funding Total	(\$925,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$925,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$925,000

Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0

Six Year Expenditure Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0

Total Funding Plan	\$925,000
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Total Funding Plan	\$925,000
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Additional Annual Operations and Maintenance

Additional Annual O&M:
Additional Annual O&M Description:

Funding Source:



Project Name: Facility Outdoor Lighting

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: PW/ Facilities & Asset Management **Subcommunity:** Central Boulder

Funding Source: 2011 Capital Investment Bond **BVCP Area:** Area 1

Project Number: 19 **Map Number:** 210

CEAP Required: No **CEAP Status:**

Project Description

This project will provide parking lot lights in the public parking lot next to the Park Central building at the corner of Broadway and Arapahoe. This funding could provide for a solar canopy, car charging and lighting project or a combination solar and wind powered light, both of which would eliminate electrical conduit runs. Work will be

Relationship to Guiding Principles

CIP #7 – CIP should maintain or improve public safety and security, reduce operating costs, and improve efficiency. This public parking lot does not currently have any lighting and is heavily used. Installation of parking lot lighting will increase safety and security in this area. Having an unlit parking lot creates an area for possible vandalism to property and reduces safety of personnel. By using the funds for upfront costs for a solar canopy, a third-party operated solar electric vehicle charging system may be feasible. Such a project would provide a zero emissions system for parking lot lights while eliminating operating costs to the city.

Public Process Status, Issues

Public Process: No actions to date.

Status: Project management would be needed to obtain informal bids, and complete contracts. Estimate 80 hours required for a total of \$8,000. Permits will be required for new electrical work and possibly for solar installations.

Issues: Accomplish before the parking lot repair project. Ensure compliance with lighting ordinance.

Relationship with Other Departments

FAM will coordinate with affected departments.

Changes from Past CIP



Facility Outdoor Lighting continued

Estimated Total Cost	
Project Cost	
Implementation	\$50,000
Total Project Cost	\$50,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$50,000
Funding Total	(\$50,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$50,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$50,000

Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$50,000

Six Year Expenditure Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$50,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Third party owner/operator.

Additional Annual O&M Description:

Zero costs assumes that solar canopies are installed and operated by a third party so as to not have electrical or maintenance costs with this new lighting.



Project Name: Facility Parking Lot Repair

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Facilities & Asset Management	Subcommunity:	Multiple Subcommunities
Funding Source:	2011 Capital Investment Bond	BVCP Area:	Area I
Project Number:	10	Map Number:	211
CEAP Required:	No	CEAP Status:	

Project Description

This project will repair and complete maintenance needs for some of the city's asphalt parking areas, including downtown facilities and fire stations. The 19 parking lots to be repaired will all be in 2012 and include:

- North Library and Municipal Building: \$60,000, surface seal and slurry
- South Library: \$110,000, surface seal and slurry
- Main Library, west parking: \$10,000, patching
- West Senior Center: \$3,000, minor patching
- New Britain: \$30,000, surface seal and slurry
- Park Central: \$7,000, patching
- Atrium: \$10,000, surface seal and slurry
- FAM/BMOCA: \$12,000, surface seal and slurry
- Dairy: \$52,000, patching, surface seal and slurry
- CYF and Spruce Pool: \$16,000, surface seal and slurry
- Harbeck House: \$5,000, minor patching
- Reynolds Library: \$60,000, resurface
- Fire Station #1: \$30,000, patching and alley reconstruction
- Fire Station #2: \$15,000, rebuild rear back lot
- Fire Station #3: \$25,000, add curb and gutter
- Fire Station #4: \$2,000, minor grinding
- Fire Station #5: \$15,000, patching
- Fire Station #6: \$15,000, surface seal and slurry, concrete patching
- Fire Station #7: \$10,000, concrete patching
- Subtotal: \$487,000
- Project Management: \$13,000
- Total: \$500,000

Part of the ADA project will also be accomplished in conjunction with the parking lot repairs.

Relationship to Guiding Principles

CIP #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

CIP #7 – CIP should maintain or improve public safety and security and reduce operating costs and improve efficiency. Failure to maintain these surfaces creates tripping hazards and causes further degradation resulting in repairs costing 4.5 times greater. The city's Risk Management office has stated that any crack or tripping hazards greater than 1/4 of an inch should be repaired. Not fixing failed pavements is not an option. Preventive maintenance prevents more expensive repairs in the future. Parking lot evaluations identified the condition and repair costs were conducted in Fall 2010.



Facility Parking Lot Repair continued

Public Process Status, Issues

Public Process: None.

Status: Project management is estimated at 130 hours for a total of \$13,000. We are contacting other local municipalities who have recently awarded parking repair projects with ADA work. The city's current paving contract is not compatible with parking lot repairs and ADA work needed.

Relationship with Other Departments

There may be impacts to staff and patron parking during construction, so coordination with affected parties will be required for each parking lot.

Changes from Past CIP

Estimated Total Cost

Project Cost	
Construction	\$500,000
Total Project Cost	\$500,000

Unfunded Amount

Unfunded Amount	
Project Cost Total	\$500,000
Funding Total	(\$500,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013 \$500,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$500,000

Capital Expenditure Plan

Expenditures Prior to 2013 \$500,000

Six Year Expenditure Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$500,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$250,000

Funding Source: Current fiscally constrained general fund for facility maintenance would require a new source of revenue to fund this operating cost.

Additional Annual O&M Description:

O&M costs are based on \$1.75 per square foot a year for all 705,000 square feet of general fund parking lots. This includes surface sealing and coating every five years. By doing regular maintenance, no major repairs should be required.



Project Name: Main Library – Library Facility Upgrades / Enhancement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: Library / Arts

Subcommunity: Central Boulder

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 24

Map Number: 202

CEAP Required: No

CEAP Status:

Project Description

This project entails relocating and refurbishing the children’s area and reusing the vacated space for high demand, browser–friendly fiction and media collections and a teen space.

2012:

Public Comment and Design: (Est. time: 90 days) \$187,200

2013:

Construction & Project Management Phase I: (Est. time: 360–480 days) \$754,300

Construction & Project Management Phase II (Est. time: 360–480 days) \$754,300

2014:

Construction Phase & Project Management Phase III (Est. time: 360–480 days) \$754,200

Relationship to Guiding Principles

With dramatic advances in information technology, the way in which our library delivers services must evolve rapidly. In addition, the demographics in Boulder are shifting, resulting in a wider range of needs and expectations for library services. In order to keep pace and remain relevant and functional with respect to these changes, the Main Library facility requires renovation and upgrades. The level and quality of services is expected to steadily decline without additional capital funding to make these improvements. Renovation of the Main Library is considered a higher priority than the addition of new services or facilities.

Public Process Status, Issues

Public Process: On March 5, 2010, in a memo to the City Manager, this project was recommended by the Library Commission as Priority Project 1 & 2. The 2009 Facilities Sustainability Study incorporated input from the Library Commission and a series of eleven focus groups, community interviews at two locations, and an online survey (818 respondents). The schematic design phase of this project will included additional opportunities for public input and presentations to the City Council and community.

On Saturday, Jan 28, 2011, the Library Commission, Teen Advisory Board members, the public and city staff toured five front range libraries that have been recently built or remodeled. Focus was on the teen and children areas to provide ideas on what could be done with Boulder's major renovation of those areas in the Main Library.

Issues: Includes the design of café services to be located near the main entrance and phasing of subprojects. Developing a plan for replacing the electrical wiring and carpeting throughout the Main Library may also be included for an additional cost of 8.5% of the replacement value to cover architect/engineering fees for incorporating planning for these projects. Replacement of the electrical wiring and carpeting are funded in the 2011 Capital Improvement Program (combined total of \$570,000). An allocation of \$50,000 of library



Main Library—Library Facility Upgrades / Enhancement continued

fund balance was approved by Council in May 2011 to fund planning costs for the Main Library renovation projects recommended in the 2009 Library Facilities Sustainability Study, which includes this project as well as those being considered for Round II.

Status: Library administrative staff will be utilized to coordinate and co-manage this project with FAM. Bids Outside architect and design consultants will be used. The anticipated timing is included in the 'Project Description'.

Relationship with Other Departments

This project will be coordinated with the Facilities and Asset Management Division of the Public Works Department. FAM will be involved for the duration of the project.

Changes from Past CIP

Estimated Total Cost

Project Cost

Planning and Design	\$187,200
Construction	\$2,262,800

Total Project Cost **\$2,450,000**

Unfunded Amount

Unfunded Amount

Project Cost Total	\$2,450,000
Funding Total	(\$2,450,000)

Total Unfunded **\$0**

Capital Funding Plan

Funding Prior to 2013	\$2,450,000
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$0**

Total Funding Plan **\$2,450,000**

Capital Expenditure Plan

Expenditures Prior to 2013	\$187,200
----------------------------	-----------

Six Year Expenditure Plan

2013	\$1,508,600
2014	\$754,200
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$2,262,800**

Total Funding Plan **\$2,450,000**

Additional Annual Operations and Maintenance

Additional Annual O&M:

Additional Annual O&M Description:

Funding Source:



Project Name: Major Business Software Replacement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: Information

Subcommunity: System-wide

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 11

Map Number: 224

CEAP Required: No

CEAP Status:

Project Description

This project would fund the replacement and augmentation of major business software identified in the City's Information Technology Strategic Plan, including:

- Implementation of new, maintenance management software (2012–2014: \$880,000).
- Completion of a citywide records management software implementation that currently serves only a few departments (2012–2014: \$209,000).
- Redesign of the city website software for inclusion of new public-facing eGov applications (2012–2013: \$120,000).
- Replacing and enhancing the permitting management software, including the inclusion of current standalone licensing systems used across the city (2012–2013: \$411,602).

Relationship to Guiding Principles

This project supports Guiding Principal #5: Capital Improvement Programs should maintain and enhance the supporting city-wide business systems, such as information and finance systems, for the city over the long-term.

The systems in this category reflect some of the most operationally-critical applications used across multiple city departments and are included as high priorities in the City's Information Technology Strategic Plan. The permit management application in particular is facing possible de-support from its vendor in the near-future due to its age, and is subject to increasing support costs. Serious continuity of operations issues will arise if the city does not begin the replacement of the enterprise systems in this category. All the systems lack key efficiency-enhancing technologies and features available in newer technologies, particularly citizen-facing eGov applications that are currently lacking in our website and business systems.

Public Process Status, Issues

Public Process: N/A

Status: – Maintenance Management System: The city currently has approximately 5 separate, aging systems with an asset and maintenance management focus, many of which do not serve critical business functions adequately, based on user feedback. Opportunities exist to potentially integrate these systems in a single product that can more effectively and economically serve city business needs. Included in the scope of the ERP needs assessment currently being conducted by the Government Finance Officers Association (GFOA) is a review of whether asset/maintenance management software should be included in the ERP procurement. Many vendors in this marketplace include related capabilities in their systems.

– Records Management System: This effort involves expansion of the current automated records management and document imaging system, which currently serves a limited number of departments. Supplemental staffing is being requested to cover the temporary implementation load.



Major Business Software Replacement continued

Without this investment, many departments will rely on the continued use and storage of paper records which are difficult to search and expensive to store and protect, given required retention schedules. Staff will be completing an internal needs assessment by early 2012 to define a recommended implementation plan.

– Public-Facing Web / eGov Applications: This project involves investment in an expanded array of automated solutions for providing information and online transactional services to Boulder customers, as well as ongoing improvements to the underlying technologies that enable us to effectively and securely create an attractive and content-rich web presence for the city. Without investment in new web infrastructure systems, our website will become technically obsolete as user-facing web technologies continue to advance rapidly. Security of web systems also becomes a major concern as technical threats expand. An RFP was issued during the summer of 2011 for web redesign services covering the thematic elements of the site (look and feel) and the underlying content management system technologies. This is being funded by the IT Department’s operating budget. This capital funding request will enhance this investment by adding new, customer-facing web applications such as Constituent Relationship Management (CRM) software, transactional systems, and mobile applications to integrate with the new web design and backend business systems.

– Permits System Replacement: The current vendor will be moving away from support of the current permits system in coming years. Beginning the replacement in 2012 will avoid de-support and lead to an effective transition. The permits system is critical to permit issuance and development review among many city departments. Lack of an automated solution would lead to reliance on manual processes or lesser technologies that will not allow the city to maintain critical service levels or collect needed revenue. An internal or consultant-assisted needs assessment will be completed by mid-2012. A restricted fund reserve has been accumulated over the years for the replacement of this system. This capital request will supplement these reserves to provide adequate funding for the core system and cover the cost of potential migration of the current standalone-licensing systems (e.g. liquor, medical marijuana, and animal licensing) to this consolidated platform.

Issues: Due to the significant preparation and implementation work to be undertaken to successfully complete the permits, web/eGov, and asset/maintenance management projects, it is not likely that existing staff will be able to simultaneously sustain current legacy systems and related services, and work on implementation.

Relationship with Other Departments

These projects will affect virtually every department within the city organization, both in terms of implementation support needs and eventual operating benefits, once implemented.

Changes from Past CIP

Software Maintenance amounts have been updated to reflect current estimates



Major Business Software Replacement continued

Estimated Total Cost

Project Cost	
Implementation	\$1,602,600
Total Project Cost	\$1,602,600

Unfunded Amount

Unfunded Amount	
Project Cost Total	\$1,602,600
Funding Total	(\$1,602,600)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$1,602,600
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$1,602,600

Capital Expenditure Plan

Expenditures Prior to 2013	\$390,000
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Six Year Expenditure Plan

2013	\$798,600
2014	\$414,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$1,212,600

Total Funding Plan \$1,602,600

Additional Annual Operations and Maintenance

Additional Annual O&M: \$155,000

Funding Source: Unknown: See Last Paragraph of Description Section for additional information.

Additional Annual O&M Description:

On-going expense relates to projected software maintenance fees. These are currently estimated amounts, based on 20% of the projected cost of the software. The number reflected here is the estimated gross amount. It should be noted that for many of these packages, there are existing O&M funds being expended in the departmental operating budgets. Rather than make assumptions about the future use of those funds, we've reflected to gross total O&M.

These values have been calculated using information from the IT Strategic Plan.

For the web site project and document management projects, the Computer Replacement Fund (CRF) is the funding source (subject to approval). For the Asset Maintenance Management and Permit systems the operating budgets of the user departments are the logical funding source.



Project Name: New Wildland Fire Station

Project at a Glance

Project Type: New Construction – Not Growth Related

Department: Fire

Subcommunity: Area III

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area III

Project Number: 13

Map Number: 201

CEAP Required: No

CEAP Status:

Project Description

This project will construct new facilities for the Fire department, including a new wildland fire operations building and a new Fire storage facility for vehicles and equipment. In 2012, design will be accomplished at a cost of \$120,000 followed with construction in 2013 at a cost of \$1,030,000. Project management is included in these

Relationship to Guiding Principles

CIP #1 – CIP should be consistent with and implement Council-accepted master plans and strategic plans.

– An adequate fire cache was identified in the 1996 Fire Master Plan and again in the 2011 Operation and Management Assessment of the Boulder Fire-Rescue Department Report.

CIP #7 – CIP should maintain or improve public safety and security.

– The wildland fire crew is currently housed in a single family residence at 19th and Violet, and wildland fire equipment is stored in multiple locations in and around the city. A consolidated operation would be much more effective. Reserve fire apparatus and equipment are currently stored in existing stations and in a barn off of the Diagonal Highway. A heated storage facility would allow storage of reserve fire apparatus to move out of existing stations opening up garage space for smaller response vehicles for non-fire operations. Wildland fire crews will continue to be housed in a facility rated in poor condition. The crew is housed and off iced at the 'cache' – the place where they store and perform maintenance on their tools. This tool repair is done outside under a car port with little protection from the weather. There is no garage at the cache. Trucks and equipment that needs to be stored inside are stored at the 'fire barn' at 51st and Jay Road. Not having all of their tools, equipment, and vehicles in one place can cause delays in mustering forces during an emergency. It also causes the crew to do a lot of driving to perform equipment checks and routine maintenance.

Public Process Status, Issues

Public Process: An amendment to the Regional Fire Training Center (FTC) site review is required to build the new wildland fire facility on land next to the FTC. Public notification would occur which may trigger a neighborhood meeting.

Status: Project management is estimated at 120 hours for 2012 and 1,000 hours for 2013. Design would start in 2012 followed by site reviews before construction can proceed in 2013.

Issues: There may be concerns raised by neighbors related to traffic impacts at the Boulder Reservoir. These will be addressed in the site review process.

Relationship with Other Departments

FAM will coordinate design and construction with the Fire Department and site access with Parks and Recreation.

Changes from Past CIP

Software Maintenance amounts have been updated to reflect current estimates



New Wildland Fire Station continued

Estimated Total Cost

Project Cost	
Design	\$120,000
Construction	\$1,030,000
Total Project Cost	\$1,150,000

Unfunded Amount

Unfunded Amount	
Project Cost Total	\$1,150,000
Funding Total	(\$1,150,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013 \$1,150,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan **\$1,150,000**

Capital Expenditure Plan

Expenditures Prior to 2013 \$120,000

Six Year Expenditure Plan

2013	\$1,030,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$1,030,000

Total Funding Plan **\$1,150,000**

Additional Annual Operations and Maintenance

Additional Annual O&M: \$40,000

Funding Source: From current general fund sources outside of FAM's fiscally constrained budget or possibly from the sale of the existing property at 19th and Violet.

Additional Annual O&M Description:

Action level funding for 2.5 percent O&M annual funding based on a \$1,000,000 replacement value plus another 2 percent for major maintenance and replacement funding.



Project Name: Park Shelter Replacements / Improvements

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: Parks & Receptions

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 23

Map Number: 206

CEAP Required: No

CEAP Status:

Project Description

This project will provide resources to maintain existing park amenities, including the upgrade and/or replacement of neighborhood and/or community park shelters and other shade structure amenities in existing parks and at select ball fields. Park locations may include North Boulder Park, Martin Park, Harlow Platts Community Park and Tom Watson Park. The return on investment associated with improved park amenities is significant. If alternative and supplemental funding is not identified to support improvements to existing parks throughout the community, the Parks and Recreation Department will be forced to postpone these needed capital improvements. In addition, it will be difficult to meet industry standards for health, safety and accessibility if periodic shelter replacements/improvements are not regularly completed.

This project will begin in 2013 (design).

Costs:

1. Planning and Design: \$50,000 (estimated)
2. Acquisition: N/A
3. Construction: \$950,000

Implementation of new/replacement park shelters is anticipated to be completed by 2015.

Relationship to Guiding Principles

To meet health safety requirements for park facilities, the Parks and Recreation Department continues to identify key priorities and to seek funding opportunities to maintain and improve upon existing parks and recreational shelter programs/facilities. Shelters and shade structures require a significant degree of annual maintenance and repair, as well as periodic restoration or replacement of shade structures to address the demands of the general public.

The 2006 Parks and Recreation Master Plan includes a goal to invest in revenue-producing facilities such as rental shelter and pavilions, as well as to fill in the gaps in the parks system where shelters may not exist and requests have been made by the general public for shade structures. It will be difficult to meet industry standards aimed at health, safety and accessibility if periodic replacements/improvements are not regularly considered. This initiative is considered a high priority for the department.

Public Process Status, Issues

Public Process: The Parks and Recreation Master Plan identifies parks and recreational needs in the community by applying an extensive public process and survey mechanism. In addition, staff continually receives input and request for park and recreation improvements throughout the community, and staff maintains an extensive database on priority park and recreational facility needs. As projects are further defined, user groups will be and



Park Shelter Replacements / Improvements continued

scheduled in the planning and design process to alert recreation center users of the programming enhancements. Design process updates will occur periodically throughout the process to engage interest groups as necessary.

Status: Neighborhood and pocket park shelter replacement and new installation lists provide critical information on park needs, life cycle equipment replacement needs and order of magnitude costs. Each priority park shelter facility is further assessed and design and bid construction documents are developed as the next phase. Projects will be bundled based on needs to gain the optimal efficiencies as possible considering staffing, funding and bid cost results.

Issues: The Parks and Recreation Department anticipates the need to fill a critical, currently funded, vacant Landscape Design II position to assist in the project management and administration of the parks and infrastructure improvement projects associated with the 2011 Capital Investment Bond Funding program. Initial user group discussions will be scheduled to identify key locations for future play courts and to alert programmed sports organizations of the design and construction process. Periodic updates will occur throughout the planning

Relationship with Other Departments

The Parks and Recreation Department will coordinate with other departments as appropriate.

Changes from Past CIP

Software Maintenance amounts have been updated to reflect current estimates

Estimated Total Cost

Project Cost

Planning & Design	\$50,000
Construction	\$950,000

Total Project Cost \$1,000,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$1,000,000
Funding Total	(\$1,000,000)

Total Unfunded \$

Capital Funding Plan

Funding Prior to 2013	\$1,000,000
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$0**

Total Funding Plan \$1,000,000

Capital Expenditure Plan

Expenditures Prior to 2013	\$500,000
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Six Year Expenditure Plan

2013	\$500,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$500,000**

Total Funding Plan \$1,000,000



Park Shelter Replacements / Improvements continued

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:



Project Name: Police Equipment

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: Police

Subcommunity: System-wide

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 6

Map Number: 223

CEAP Required: No

CEAP Status:

Project Description

TIBURON RECORDS MANAGEMENT SYSTEM UPGRADE: \$100,000

IN-CAR VIDEO SYSTEM: \$228,000

The use of an in-car camera system can provide useful documentation in the prosecution of criminal and traffic cases and of police and citizen actions during contacts. Video recording is considered a standard practice for

Relationship to Guiding Principles

TIBURON RECORDS MANAGEMENT SYSTEM UPGRADE The Tiburon RMS requires ongoing maintenance and hardware replacement in order to run efficiently and accurately. This system provides record-keeping for the police reports and ensures that facts and circumstances relevant to criminal and non-criminal incidents are properly recorded and maintained.

IN-CAR VIDEO SYSTEM N/A

Public Process Status, Issues

TIBURON RECORDS MANAGEMENT SYSTEM UPGRADE Public Process: None

Status: We are currently waiting for the company to provide us with an up-to-date quote for the cost of the upgrade. Our latest quote was \$75,000 if scheduled in 2011. The upgrade will require assistance from the vendor as well as COB IT staff.

Issues: Tiburon has been undergoing changes at the executive level of management. They have been reviewing the Version Management Program and currently have not been able to provide us with the exact timeline. In addition, we need to upgrade our computer hardware to Windows 7 and our version of Tiburon does not run on a Windows 7 operating system. An upgrade would solve that problem.

IN-CAR VIDEO SYSTEM N/A

Relationship with Other Departments

TIBURON RECORDS MANAGEMENT SYSTEM UPGRADE We will work with the IT department when this project is scheduled and implemented.

IN-CAR VIDEO SYSTEM This project will require the continued support of IT. As the project grows, the needs placed upon IT for its support will also grow.

Changes from Past CIP

Software Maintenance amounts have been updated to reflect current estimates



Police Equipment continued

Estimated Total Cost	
Project Cost	
Equipment Purchase	\$328,000
Total Project Cost	\$328,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$328,000
Funding Total	(\$328,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$328,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$150,551

Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$328,000

Six Year Expenditure Plan	
2013	\$61,526
2014	\$115,923
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$177,449
Total Funding Plan	\$328,000

Additional Annual Operations and Maintenance

Additional Annual O&M: **Funding Source:** IN-CAR VIDEO Police Department is currently responsible for this cost.

Additional Annual O&M Description:

TIBURON RECORDS MANAGEMENT SYSTEM UPGRADE: Maintenance for the Tiburon RMS is included with the annual budget.

IN-CAR VIDEO: Server Software upgrades and support. Annual Maintenance for the server is based on the life span and size of the server. The first two years maintenance will cost \$1,095 per year and the following two years will cost \$1,795 per year. When the server is upgraded to accommodate more recording units, the server maintenance costs will also increase. The supported life span for recording units and the server are five years. After that time, the equipment must be replaced or be operated unsupported by the manufacturer.



Project Name: Police Equipment Upgrades / Replacement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: Police

Subcommunity: System-wide

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area I

Project Number: 17

Map Number: 207

CEAP Required: No

CEAP Status:

Project Description

RADIO INFRASTRUCTURE (\$60,000)

This project would upgrade police radio infrastructure.

2012: Plan, design and construct new radio site. Purchase and install equipment.

REPLACEMENT OF BOMB SQUAD ROBOT (\$300,000)

DNA LAB (\$300,000)

This project would provide equipment for a new DNA laboratory. Equipment purchase would allow the city to enter into a partnership with the Colorado Bureau of Investigation (CBI). 2012: Plan, design, and construct (remodel) Property and Evidence Lab area and purchase initial DNA equipment for testing.

Relationship to Guiding Principles

RADIO INFRASTRUCTURE

The new industry standard for police and fire communications is a narrow-band communication system, and this project would begin the conversion process to the new radio systems. The Police Master Plan is currently being updated.

BOMB SQUAD ROBOT

The Boulder Police Department Bomb Squad, a Federally Certified and recognized Type 1 team, utilizes a robot for the recognition, assessment, identification, movement, and disposal of explosive and hazardous material. The robot provides the only safe alternative to approach and manipulate explosive and/or hazardous material.

DNA LAB

The DNA equipment will allow local processing of DNA evidence, which is currently sent to CBI. Processing can take six months or longer. The City is working with CBI on a potential partnership effort on staffing the DNA lab. The Police Master Plan is currently being updated.

Public Process Status, Issues

RADIO INFRASTRUCTURE

Public Process: None anticipated.

Status: The Department is in the process of leasing a site location. Administrative work underway in-house. No temporary staffing is needed. Due to relatively low cost of project, a bid process may not be necessary. There is also no need for consultants/designers given in-house expertise. Project will require approval of the Federal Communications Commission and Federal Aviation Administration.

Issues: Lease approval. No timing concerns or questions.



Police Equipment Upgrades / Replacement continued

BOMB SQUAD ROBOT

Public Process: None anticipated.

Status: The current robot deployed by the Bomb Squad is 15 years old and in need of repair. Availability of replacement parts is limited at best. There is only a small number of manufacturers, so a bid process will not be necessary based on specified capabilities needed by the squad. In order to retain federal certification, the squad must deploy a robot capable of meeting federal standards.

Issues: None.

DNA LAB

Public Process: None anticipated.

Status: To date, the city has had several meetings with the CBI Director and staff. FAM will be needed to design and manage the remodel. Temporary staffing may or may not be needed. Construction will be completed by in-house staff. Equipment will need to be purchased through bid process. The project will need a city permit.

Issues: Final decision from CBI regarding feasibility of partnership.

Relationship with Other Departments

RADIO INFRASTRUCTURE

Boulder Fire Department. Conversion will include both police and fire frequencies. Boulder Fire will receive on-going updates.

REPLACEMENT BOMB ROBOT No other departments need to be involved with this project.

DNA LAB None at this time.

Changes from Past CIP



Police Equipment Upgrades / Replacement continued

Estimated Total Cost	
Project Cost	
Implementation	\$660,000
Total Project Cost	\$660,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$660,000
Funding Total	(\$660,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$660,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$660,000

Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0

Six Year Expenditure Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0

Total Funding Plan	\$660,000
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Total Funding Plan	\$660,000
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Additional Annual Operations and Maintenance

Additional Annual O&M: \$3,000

Funding Source: RADIO INFRASTRUCTURE:
Existing Communications Budget. DNA LAB:
General Fund

Additional Annual O&M Description:

RADIO INFRASTRUCTURE
Phone lines and maintenance.

DNA LAB

Anticipate CBI will cover cost of all on-going expendable testing supplies. The City would be responsible for additional utilities and maintenance on the new equipment.



Project Name: Replace Financial and Human Resources Software

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: Information Technology

Subcommunity: System-wide

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 3

Map Number: 225

CEAP Required: No

CEAP Status:

Project Description

This project replaces Boulder's Financial Management System (BFS) and Human Resources/Payroll System (Vista) with an Enterprise Resource Planning (ERP) system. An ERP system is a fully integrated finance, human resources system from a single vendor.

The 2011 IT Department operating budget includes \$100,000 for an ERP needs assessment and procurement consulting. The City has engaged the Government Finance Officers Association (GFOA) to conduct a full needs assessment in preparation for a system procurement process. This effort, which will include the development of bid-ready specifications for a new system, is set to conclude by the end of 2011. (Project 3.1 in the IT Strategic Plan.)

Relationship to Guiding Principles

This project supports Guiding Principal #5 – Capital Improvement Programs should maintain and enhance the supporting city-wide business systems, such as information and finance systems, for the city over the long-term.

This project has been identified as one of the most critical citywide initiatives in the organization's Information Technology Strategic Plan.

The city's current financial, human resources and payroll applications are nearly 15 years old and are not part of a single, integrated system. The financial applications are facing the likelihood of de-support by the vendor in the near future. The systems lack key efficiency-enhancing features and functionality and are increasingly costly to integrate and maintain (e.g. the vendor support costs for the financial package increased by nearly 25% in 2011).

Given the looming loss of support and significant age of these critical administrative systems, the city could literally be faced with reverting to manual processes and spreadsheets to complete core city accounting tasks and administrative functions such as payroll processing. The city would not be able to meet basic accounting and contractual commitments (financial reporting, payment of vendors and employees, and audit requirements). The city would also experience critical slowdowns in its ability to collect revenue to sustain basic city operations.

Public Process Status, Issues

Public Process: N/A

Status: City management has placed a high priority on replacement of the current financial, human resources, and payroll systems. As a result, the city hired the Government Financial Officers Association (GFOA) via a competitive process to undertake a comprehensive ERP needs assessment (including asset/maintenance management systems) scheduled for completion by the end 2011. It is anticipated that resulting procurement



Replace Financial and Human Resources Software continued

activities may target implementation beginning sometime in mid-to-late 2012 and lasting well into 2014. The needs assessment will include recommendations on short and long-term staffing for the new system implementation and its live operations, as well as bid-ready specifications.

Issues: Due to the significant preparation and implementation work to be undertaken to successfully complete this complex project, it is not likely that existing staff will be able to simultaneously sustain current legacy systems and related services. This need applies to not only the IT department, but the administering functional departments as well (e.g. Finance and HR in the case of the BFS and Vista replacements, respectively).

Relationship with Other Departments

This project will fundamentally impact all city departments, requiring considerable time and commitment from staff across the organization. The Finance, Human Resources and Information Technology department will play a particularly critical role in this effort.

Changes from Past CIP

Updated the amount of estimated on-going operating costs

Estimated Total Cost

Project Cost

Implementation	\$2,803,000
Total Project Cost	\$2,803,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$2,803,000
Funding Total	(\$2,803,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$2,803,000
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal	\$0
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Total Funding Plan	\$2,803,000
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Capital Expenditure Plan

Expenditures Prior to 2013	\$1,476,374
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Six Year Expenditure Plan

2013	\$907,750
2014	\$418,876
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal	\$1,326,626
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Total Funding Plan	\$2,803,000
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Replace Financial and Human Resources Software continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$175,000

Funding Source: Currently, the annual software maintenance cost for the Finance and Payroll systems is paid from the Computer Replacement Fund. The additional cost of system maintenance is split evenly among city computer users. (Approximately \$40 per user per year).

Additional Annual O&M Description:

Software maintenance is estimated at \$175,000 annually. These are currently estimated amounts, based on 20% of the projected cost of the software. The number reflected here is the estimated gross amount.

This is higher than the current budgeted amounts for the HR and Payroll systems of \$120,000, resulting in a projected increase of \$55,000.

These values have been calculated using information from the IT Strategic Plan.



Project Name: Replace Substandard Bridges, Structures, Signs, and Systems

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: PW/ Transportation

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 1

Map Number: 214

CEAP Required: No

CEAP Status:

Project Description

This project will replace substandard bridges, structures, signs and systems within the city transportation system. Projects could include replacing a structurally deficient bridge on 63rd Street north of Arapahoe, renovating the landscaping and irrigation system on Foothills Parkway, replacing deficient minor structures, and bringing street signage into compliance with federal standards.

The 63rd Street bridge is the lowest rated major structure in Boulder but one issue to be resolved for this project is that the development commitments in this area will need to be reviewed and explored before moving forward. Other projects include replacing signs to bring them into compliance with federal standards, renovating landscaping on Foothills Parkway to replace an aging irrigation system and to save water, and the traffic signal lights being replaced with LED fixtures to save energy. Additional projects that have been considered and will be pursued if funding allows are minor (shorter than 20') bridge replacements at 3 locations on 4-Mile Creek. This will need to be coordinated with the Flood Utility as it is part of a bigger flood plain planning process, but the structures have been identified as needing repair from a structural perspective.

Replace Signs:

2012: \$130,000

2013: \$125,000

2014: \$125,000

Replace LED Signal Fixtures:

2012: \$120,000

63rd Street Bridge:

2012: Research/Design \$400,000

2013: Permitting/Design Completion \$300,000

2014: Construction \$2,300,000

Foothills Landscaping:

2012: Design \$100,000

2013: Construction \$800,000

2014: Construction Completion \$100,000

Relationship to Guiding Principles

Maintenance is the highest priority project to pursue in the TMP. All of the projects in this category maintain current systems and save resources such as water and energy. The 63rd St bridge is the lowest rated major bridge structure (over 20' long) in Boulder. Foothills Landscaping renovations will reduce water use and maintenance needs. Federal standards require that signs be replaced if necessary to meet specified standards



Replace Substandard Bridges, Structures, Signs, and Systems continued

by 2018. If any of the identified projects are found to be more complex than realistically possible to complete in the 3 year bond term, alternative projects identified include replacement of minor structures including shorter bridges, culverts, and retaining walls.

Public Process Status, Issues

Public Process: The replacement of the 63rd Street Bridge will require some public process – generally with the adjacent property owners and the users of the street (Western Disposal, Special Transit, Xcel...). The sign replacement, LED fixture replacement and the irrigation repairs will likely not require public process unless we change the planting scheme and then we may want to have at least one public meeting.

Status: The 63rd Street bridge is a fairly complex project to sort out developments and commitments, and the adjacent wetland and possible flood requirements. This project has been assigned to a project manager on staff (the CIS Bond P.M.). The design will be from a solicited design consultant and the construction will be bid. Consultants are being identified and purchase orders written to start work on design for the irrigation and planting upgrades. These designs will be completed by an outside consultants and managed jointly by Median Maintenance and the Transportation Projects group. The construction oversight will be by the median maintenance staff and engineering technicians. The construction will be bid. There is currently a sign inventory of signs that don't meet required standards and need to be replaced. Sign replacement will be all or partially completed by existing on-call contractors. The LED fixture replacement is generally focused on the yellow light replacements.

Issues: The biggest issue is clarifying the development requirements on the 63rd Street bridge and if this project should go forward at this time. If it is decided not to go forward on this project other major or minor

Relationship with Other Departments

63rd Street work will be coordinated with any impacted utility companies. For the landscaping and irrigation upgrades, Transportation will coordinate with Utilities if necessary, CDOT on Foothills, and Forestry on any tree impacts. The signage and LED fixtures are all replacements on existing city facilities and will not require

Changes from Past CIP

Updated the amount of estimated on-going operating costs



Replace Substandard Bridges, Structures, Signs, and Systems continued

Estimated Total Cost

Project Cost

Sign & LED Replacement	\$500,000
Design & Planning	\$800,000
Construction	\$3,200,000

Total Project Cost **\$4,500,000**

Unfunded Amount

Unfunded Amount

Project Cost Total	\$4,500,000
Funding Total	(\$4,500,000)

Total Unfunded **\$0**

Capital Funding Plan

Funding Prior to 2013 \$4,500,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$0**

Total Funding Plan **\$4,500,000**

Capital Expenditure Plan

Expenditures Prior to 2013 \$650,000

Six Year Expenditure Plan

2013	\$1,425,000
2014	\$2,425,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$3,850,000**

Total Funding Plan **\$4,500,000**

Additional Annual Operations and Maintenance

Additional Annual O&M:

Additional Annual O&M Description:

Funding Source:



Project Name: Road Pavement Repair

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: Information Technology

Subcommunity: System-wide

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 7

Map Number: 215

CEAP Required: No

CEAP Status:

Project Description

This project will replace substandard bridges, structures, signs and systems within the city transportation system. This project will increase the number of deteriorating roads repaired (for the 3 bond years) through overlays or chip seals, before they reach the condition at which more costly repairs and/or reconstruction is needed. The focus is on streets with pavement ratings between 50 and 70. Examples include 27th Way (pavement rating 61), Harvard from Dartmouth to Table Mesa (56), Cedar Ave from 4th to 7th (69), Balsam from 9th to Broadway (69), and 55th from Baseline to Aztec (62).

This work will be added to our annual overlay and chip seal programs. It is anticipated that we will spend about 1/3 per year of the bond as follows:

2012: \$1,700,000

2013: \$1,700,000

2014: \$1,600,000

Relationship to Guiding Principles

Maintaining the street system requires on-going investment. Pavement quality is rated on a scale of 1 to 100 with 78 as an industry standard (and Boulder's goal). Pavement deteriorates over time, a few points a year. Generally, pavement with ratings of 50 to 70 can be resurfaced through chip seals or overlays. Once pavement deteriorates below 50, it typically requires more extensive repair, up to and potentially including reconstruction, which is 4 times more expensive than resurfacing. Maintenance of our existing transportation system is the highest priority activity in the transportation master plan.

Public Process Status, Issues

Public Process: There is very little public process required for this program. Neighborhoods will be notified with notices – like door hangers – before we do the work and we will do an annual press release and put information on the city's Cone Zones site.

Status: The city has been working on a Pavement Management Program that includes rating of streets and entering the maintenance data into Cartegraph, an asset and pavement management database program. We will use this program to identify annual work plans. We will manage this project with existing project management staff. A civil engineer is being hired to assist with technical support for the project work program, and outside consultant staff will be hired as needed for design and quality control. We will manage the design and construction of this project jointly with annually budgeted programs, and we will use existing consultant services contracts for surveying and design firms. Construction work will be bid and managed along with annual funding budgeted for this program.

Issues: No significant issues are known for this program. We will need to coordinate with utility upgrades and/or repairs and planned redevelopment adjacent to the streets identified for repairs.



Road Pavement Repair continued

Relationship with Other Departments

We will work with the city's departments and outside utilities agencies to coordinate any advanced utility work and opportunity for waterline or other utility line replacement in advance of the work. We will also work with P&DS to anticipate and coordinate with adjacent planned developments on impacted streets.

Changes from Past CIP

Estimated Total Cost

Project Cost	
Construction	\$5,000,000
Total Project Cost	\$5,000,000

Unfunded Amount

Unfunded Amount	
Project Cost Total	\$5,000,000
Funding Total	(\$5,000,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$5,000,000
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$5,000,000

Capital Expenditure Plan

Expenditures Prior to 2013	\$1,700,000
----------------------------	-------------

Six Year Expenditure Plan

2013	\$1,700,000
2014	\$1,600,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$3,300,000

Total Funding Plan \$5,000,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

Reduces on-going O&M as we are repairing streets that would potentially need maintenance on a more frequent basis.



Project Name: Road Reconstruction

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: Information Technology

Subcommunity: System-wide

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 8

Map Number: 216

CEAP Required: No

CEAP Status:

Project Description

This project will reconstruct some of Boulder's streets that have significant pavement deterioration. This project was originally focused on streets that had Pavement Condition Index (PCI) ratings of less than 50, however, at this level of funding, we will focus our efforts on streets that rate below 25.

The money will generally be distributed over three years as follows:

2012: \$1,000,000

2013: \$750,000

2014: \$750,000

There is more money planned in 2012 because of anticipation of design work being focused for the projects in the first year.

Relationship to Guiding Principles

Once pavement quality drops below 50, simple resurfacing is typically not an option and major repair such as extensive patching with an overlay or reconstruction may be needed. Limited maintenance budgets have resulted in many smaller residential streets falling into this category. Maintenance of our existing transportation system is the highest priority activity in the transportation master plan.

Public Process Status, Issues

Public Process: There is generally very little public process required for this program. Overall, street reconstruction will require more interaction with adjacent properties than an overlay, and projects on arterials would require more outreach prior to and during construction for coordination of the work. Neighborhoods will be notified with notices such as door hangers, press releases, and information on the city's Cone Zones website before any work is performed.

Status: The city has been working on a Pavement Management Program that includes rating of streets, and entering maintenance data into Cartegraph, an asset and pavement management database program. We will use this program to identify annual work plans. For city staff, we will manage this project with existing project management staff. We are hiring a civil engineer to assist with technical support of the pavement CIS Bond projects. We will manage the design and construction jointly with the annually budgeted programs, and will use existing consultant services contracts for surveying and design firms. The construction work will be bid and managed along with the annual funding budgeted for this program.

Issues: No significant issues known for this program. We will need to coordinate with utility upgrades and/or repairs and planned redevelopment.



Road Reconstruction continued

Relationship with Other Departments

We will work with the city's departments and outside utilities agencies to coordinate any advanced utility work and opportunity for waterline or other utility line replacement in advance of the work. We will also work with P&DS to anticipate and coordinate with adjacent planned developments on impacted streets.

Changes from Past CIP

Estimated Total Cost

Project Cost

Construction	\$2,500,000
Total Project Cost	\$2,500,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$2,500,000
Funding Total	(\$2,500,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$2,500,000
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0

Total Funding Plan	\$2,500,000
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Capital Expenditure Plan

Expenditures Prior to 2013	\$1,000,000
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Six Year Expenditure Plan

2013	\$750,000
2014	\$750,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,500,000

Total Funding Plan	\$2,500,000
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Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

Reduces on-going O&M as we are repairing streets that would potentially need maintenance on a more frequent basis.



Project Name: South Boulder Recreation Center Floor Replacement

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction

Department: PW/ Facilities & Asset Management **Subcommunity:** South Boulder

Funding Source: 2011 Capital Investment Bond **BVCP Area:** Area I

Project Number: 25 **Map Number:** 212

CEAP Required: No **CEAP Status:**

Project Description

Replace water damaged wooden floor at the South Boulder Recreation Center gym and racquetball courts. All work will be accomplished in 2012.

Relationship to Guiding Principles

CIP #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets. The warped and uneven floors have gaps which create a tripping hazard for basketball, racquetball, and other sports using these floors. Currently, maintenance staff are filling cracks and sanding uneven, warped floor

Public Process Status, Issues

Public Process: None.

Status: Project management will be required and estimated at 40 hours, for a total cost of \$4,000. A request for proposals will be needed for this project. Estimated start will be dependent on the shutdown schedule for this recreation center, yet to be determined for 2012.

Issues: None.

Relationship with Other Departments

Work will be coordinated with recreation center staff and P&R management.

Changes from Past CIP



South Boulder Recreation Center Floor Replacement continued

Estimated Total Cost

Project Cost

Construction \$450,000

Total Project Cost \$450,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$450,000

Funding Total (\$450,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$450,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$450,000

Capital Expenditure Plan

Expenditures Prior to 2013 \$450,000

Six Year Expenditure Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$450,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Additional Annual O&M Description:

Funding Source:



Project Name: Transportation Bike System Enhancements

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: PW/ Transportation

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area 1

Project Number: 20

Map Number: 217

CEAP Required: No

CEAP Status:

Project Description

This project would enhance the existing bike system. The projects initially identified in this category include way finding signage on paths and routes (\$250,000) and bike lanes additions to key corridors (\$50,000).

The striped bike lanes to be evaluated are on 33rd Street between Arapahoe to Prairie and on Pine from Folsom to 28th Street. The first step is to complete a site analysis and conceptual design to identify the issues. It could be possible that parking will need to be removed at both locations that will require public outreach and could become contentious. As a back up plan for this funding we would shift bike lane funding to bike signage.

Bike Signage/Wayfinding:

2012: Design (\$40,000)

2013: Installation (\$110,000)

2014: Installation (\$100,000)

Striping Bike lanes on Key Corridors:

2012: Public Process (\$30k)

2013: Construction (\$20K)

Relationship to Guiding Principles

While the city has a robust bike network, way finding on both streets and pathways is often a challenge. The installation of signs showing key destinations helps users find their way. This project would also stripe bike lanes on key corridors where space currently exists (\$50,000).

Public Process Status, Issues

Public Process: There will be public outreach required for bike striping projects. If the projects become contentious, we will explore different alternatives or do more bike signage with the funding.

Status: This process will be led by the city's Bike/Pedestrian Planner. Design and plans will be prepared by a consultant. The consultant designs the bike signage and locations and evaluates the bike lane striping projects. The signage project will be bid for construction. Any striping will be completed by the city's striping contractor.

Issues: If parking needs to be removed, approval could be contentious.

Relationship with Other Departments

Bike Signage would be coordinated with other departments if any of the signs are placed on their facilities or in their areas of purview – i.e. Parks or DUHMD.

Changes from Past CIP



Transportation Bike System Enhancements continued

Estimated Total Cost

Project Cost	
Design & Planning	\$70,000
Construction & Installation	\$230,000
Total Project Cost	\$300,000

Unfunded Amount

Unfunded Amount	
Project Cost Total	\$300,000
Funding Total	(\$300,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013 \$300,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$300,000

Capital Expenditure Plan

Expenditures Prior to 2013 \$157,389

Six Year Expenditure Plan

2013	\$142,611
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$142,611
Total Funding Plan	\$300,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source: This additional maintenance is minor in relationship to the entire system and would be absorbed by existing staff and resources.

Additional Annual O&M Description:

The additional bike signage and striping would require additional maintenance.



Project Name: Transportation Boulder Junction Improvements

Project at a Glance

Project Type: New Construction – Growth Related Facilities / Additions

Department: PW/ Transportation

Subcommunity: Crossroads

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area I

Project Number: 12

Map Number: 218

CEAP Required: No

CEAP Status:

Project Description

As part of the Transit Village Area Plan (adopted in September 2007 – revised in August 2010), Phase 1 Key Public Improvements were identified as part of the TVAP Implementation Plan, to implement the vision and goals for the area to implement key public infrastructure improvements that benefit the city as a whole and are not the sole responsibility of private development. The Phase 1 adopted list of Key Public Improvement projects was limited by anticipated revenue sources and was not all inclusive. This project includes several previously unfunded Key Public Improvements. The highest priority for city investment is the Junction Place bridge over Goose Creek, with bike/ped access to the Goose Creek Pathway (estimated \$2.56 million). The following is the estimated timeline and expenditure of this project:

2012: Design/Public Process/Permitting (\$420,000)

2013: Construction – (\$2,140,000)

Other priorities include: Goose Creek Bridge roadway tie-in to 33rd Street (Steel Yards Development), Pearl Parkway Multiway Boulevard Improvements (30th-RR), added enhancements to Junction PI (Pearl-Goose Cr), electrical undergrounding on Pearl (30th-RR), and the following possible additional improvements:

Junction Place bridge/underpass over Boulder Slough (with related bike/ped access and path connection to 30th), and extending Junction Place south to the intersection of 32nd/Prairie (majority of this likely deferred to when adjoining property redevelops).

These additional potential projects would be prioritized and packaged to be within the funding limits for this project with the following estimated timeline:

2012: Design/Public Process/Permitting (\$400,000)

2013: Construction Start – (\$1,667,000)

2014: Construction (\$433,000)

Relationship to Guiding Principles

The various potential components of this project conform to the Connections Plan of the adopted Transit Village Area Plan, with applicable components now integrated into the Transportation Master Plan. The new collector street called Junction Place is the major north-south connector through the area, providing for multi-mode, transportation facilities linking the new RTD bus facility and the future city housing site on the south side of Goose Creek to the future Northwest Rail train platform and existing developments to the north. The proposed bridge over Goose Creek is key to this connection. Proposed multi-use path connections (in the TVAP Connections Plan) along Goose Creek, the Boulder Slough, and other locations provide the primary multi-use path connections in the area.



Transportation Boulder Junction Improvements continued

Public Process Status, Issues

Public Process: Most of the various improvements (bridges, transportation connections) included in this project were a part of the public process conducted for TVAP as part of the Connections Plan, adopted in 2007. In some cases (such as Pearl Parkway Multiway Boulevard Improvements and proposed "Shared Street" enhancement to Junction Place), a significant public process was conducted in 2010 and 2011, leading to the eventual adoption of proposed TVAP plan changes by the Planning Board and City Council in late 2011. These public project needs have also been the outcome of coordination with various private development projects within Boulder Junction. In all cases, it would be anticipated that appropriate levels of public outreach would be conducted during the early design stage (for projects such as the Goose Creek Bridge), including hearings with applicable Boards and Council, if required.

Status: Survey base mapping was completed in Boulder Junction in 2011 to support designs for the various proposed improvements. In addition to this, conceptual design work was completed in 2011 for the originally identified Key Public Improvements of the TVAP Implementation Plan, as well as the improvements included in this project that were not part of the original list, to update current cost projections. Preliminary design work is currently underway for the Pearl Parkway Multiway Boulevard and the Junction Place Bridge over Goose Creek.

Transportation is currently in the final hiring process for a fixed-term Civil Engineer 1 to supplement existing Transportation staff needed to manage this overall project, with primary design efforts completed by private consultants under the City's direction. The city will utilize existing on-call contracts as appropriate. The projects would be anticipated to include various City permitting processes typical of City Transportation Capital Improvement Projects. These could also require some related federal or state permits as well. The construction of the various components of this project are anticipated to be coordinated and built as part of redevelopment or require publically advertised bidding. The construction will be managed with existing Transportation staff, including the new fixed-term Civil Engineer 1 and possibly requiring additional field technician support by a fixed term technician or consultant staff during the peak of construction.

Issues: Primary issues include: 1) coordination with the timing of adjoining private developments, 2) coordination with the timing and approval processes for a related federal-aid TIP project for the north side of Pearl Parkway, which is being managed by Transportation staff, 3) well-defined project management structure and public approval processes, 4) timely review and issuance of required permits, 5) continued close review and coordination of private development submittals to identify potentially critical flaws or implementation

Relationship with Other Departments

Planning and Development Services staff, in close coordination with Public Works Transportation/Utilities/Maintenance staff, are involved in the review and approval of area private development projects. Transportation staff is leading the design and implementation of the public improvements as part of this bond project in close coordination with P&DS staff involved with the review of the private development projects. Close coordination will continue to be required for the integration of the public improvements that are part of this project so that design details and schedules with the affected private developments can be coordinated. Coordination with Police/Fire on emergency access and other needs will also be necessary. Adjoining Parks and Recreation (Pocket Park), and Housing projects (on Pollard site) will require close coordination with this project. Integration of required utility infrastructure for various public and private projects will also require continual interaction and coordination with Public Works-Utilities. And, the Boulder Junction Access District in the area will be an additional coordination entity.



Transportation Boulder Junction Improvements continued

Estimated Total Cost	
Project Cost	
Design / Public Process /	
Permitting	\$820,000
Construction	\$4,240,000
Total Project Cost	\$5,060,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$5,060,000
Funding Total	(\$5,060,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$5,060,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$5,060,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$1,551,541
Six Year Expenditure Plan	
2013	\$2,864,459
2014	\$644,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$3,508,459
Total Funding Plan	\$5,060,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

The project will result in added roadway, bridge and multi-use path facility infrastructure to City maintenance responsibilities. Possible integration of permeable paver systems has unknown operations and maintenance impacts at this time.



Project Name: Transportation Intersection Improvements

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: PW/ Transportation

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area I

Project Number: 18

Map Number:

CEAP Required: No

CEAP Status:

Project Description

This category includes improvements at intersections, primarily to address pedestrian and bicycle safety at areas with high volumes of turning traffic. The following projects were identified in this category: improving bicycle and pedestrian safety at Foothills and Baseline, and adding bikeable shoulders at Diagonal and Foothills.

Baseline/Foothills:

2012: Design – Concepts (\$25,000)

2013: Construction (\$249,000)

Foothills at the Diagonal:

2012: Design – Concepts (\$20,000)

2013: CDOT Coordination and Construction (\$70,000)

S. Boulder Road/Manhattan Traffic Signal:

2012: Design – Concepts and Process (\$40,000)

2013: Construction (\$96,000)

Relationship to Guiding Principles

Intersections are the most common location for accidents for all modes of transportation, so addressing safety issues at these locations is a top priority. Safety and Maintenance are the highest priority project categories in the TMP.

Public Process Status, Issues

Public Process: There would be some public process including public and individual meetings with adjacent property owners. Coordination with CDOT would be required on projects adjacent to state highways.

Status: These projects would be managed by existing staff who direct consultants to complete the layout and design. Key issues have been identified and conceptual plans have been discussed. The plans would need to be refined in the first year. The Baseline project may require the relocation of an Xcel facility that would require coordination with Xcel. The construction would likely be completed with on-call construction contracts and managed by existing staff or consultant inspection staff. The construction of the signal on S. Boulder Road may be bid with other CIS projects.

Issues: Baseline/Foothills – the main issue is the location of an Xcel pole that has lines going in both directions, making it a complex relocation. This will require close coordination with Xcel if there is not a way to accomplish the project without this relocation. The Foothills project has higher speed on-coming ramp traffic from CDOT facilities from both the Diagonal and from Foothills, in addition to the interaction with bicycles trying to maneuver the area.



Transportation Intersection Improvements continued

Relationship with Other Departments

Coordination required with CDOT and Xcel.

Changes from Past CIP

Estimated Total Cost

Project Cost

Design – Concepts and Process	\$85,000
Construction	\$415,000

Total Project Cost \$500,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$500,000
Funding Total	(\$500,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$500,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$0

Total Funding Plan \$500,000

Capital Expenditure Plan

Expenditures Prior to 2013 \$65,000

Six Year Expenditure Plan

2013	\$221,000
2014	\$214,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$435,000

Total Funding Plan \$500,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

There would be small amounts of multi-use paths added but generally the maintenance costs would be the same as those for current multi-use paths.



Project Name: Transportation New Multi Use Path Connections

Project at a Glance

Project Type: New Construction – Not Growth Related

Department: PW/ Transportation

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area I

Project Number: 15

Map Number: 220

CEAP Required: No

CEAP Status:

Project Description

This project will complete missing links in the multi-use pathway system that have been identified in the Transportation Master Plan. Example of projects include improvements along Baseline, 28th, South Broadway, Table Mesa and US 36, and connections from Boulder Creek to Arapahoe near Naropa.

The list of projects planned for this category with estimated project level costs are as follows:

28th Street – Arapahoe to Bluff – west side (\$1,200,000)

Baseline south side – US36 to Bear Creek (\$350,000)

Boulder Creek to Arapahoe at 22nd connection (\$84,000)

Foothills Path To Morgan Dr. – north of Baseline – connection (\$29,000)

Lashley – S. of Table Mesa (\$28,000)

Table Mesa connection – S. Boulder Rd. – south side from Manhattan – OSMP Trail head (\$29,000)

Table Mesa connection Tantra Dr. extended to CU south Loop Dr. (\$42,000)

T. Mesa connection – S. Boulder Rd. south side – Table Mesa Park–n–Ride – Manhattan (\$232,000)

It is anticipated that design and some construction may occur on the simpler connections during the first year, final design and permitting the next year, and final construction the last year.

2012: Design, start permitting and ROW – simpler project construction (\$500,000)

2013: Complete design, acquire ROW if necessary permitting and some more construction (\$750,000)

2014: Construction of final projects (\$750,000)

Relationship to Guiding Principles

An overall investment of \$11.1 million will make significant progress toward completing the core multi-use pathway system along major arterials and on the greenway system. This increment of financing will help complete the projects identified as highest priorities for the 2011 bond issue. These projects include those that are relatively uncomplicated, so they can be completed quickly. These projects are from the existing TMP.

Public Process Status, Issues

Public Process: Public process will vary for each project but generally will require meeting with adjacent property owners to coordinate the improvements adjacent to their properties.

Status: These projects are all conceptual in form, with conceptual cost estimates. The design work will be done using a design consultant on a contract for continuing services. The project on the east side of the Naropa property will likely be combined with the Arapahoe arterial reconstruction project. Projects may require ROW or easements, requiring assistance from our real estate staff. Many projects will require permitting for flood and/or wetland issues. The smaller projects will be undertaken with the continuing services contracts that are in place. The larger projects will be bid. The construction will be managed and inspected by



Transportation New Multi Use Path Connections continued

existing staff and/or the project manager hired for the CIS bond projects, a civil engineer funded by the CIS Bond, or consultant inspection staff.

Issues: Coordination with adjacent property owners on impacts to the adjacent properties will be the most significant issue on these projects.

Relationship with Other Departments

Coordinate with utilities on utility impacts, parks and/or Open Space where projects are adjacent to there property.

Changes from Past CIP

Estimated Total Cost

Project Cost

Construction	\$2,000,000
Total Project Cost	\$2,000,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$2,000,000
Funding Total	(\$2,000,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$2,000,000
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Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$0**

Total Funding Plan **\$2,000,000**

Capital Expenditure Plan

Expenditures Prior to 2013	\$579,000
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Six Year Expenditure Plan

2013	\$1,209,000
2014	\$212,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal **\$1,421,000**

Total Funding Plan **\$2,000,000**

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source: Incrementally the increase in overall path amount is small and will be incorporated into existing work plan.

Additional Annual O&M Description:

There would be additional maintenance for added lineal foot of path.



Project Name: Transportation Pedestrian Enhancements

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: PW/ Transportation

Subcommunity: Multiple Subcommunities

Funding Source: 2011 Capital Investment Bond

BVCP Area: Area I

Project Number: 16

Map Number: 221

CEAP Required: No

CEAP Status:

Project Description

This project will construct missing sidewalk links throughout the community and provide pedestrian crossing treatments.

The two locations identified for additional pedestrian crossing treatments are at Baseline at Canyon Creek and Canyon at 21st. Both locations have existing pedestrian crossings and have been identified through the planning process to evaluate pedestrian crossings to receive additional treatments using new funding. Both of these projects are planned to be completed in the first year.

The second portion of this project is to complete missing links. Approximately \$250,000 was identified for small missing links costing less than \$50,000 each. A total of 16 different locations have been identified for missing sidewalk links over three years. Approximately \$500,000 was identified for large missing links projects. Projects identified for these projects include Spine Road – Orchard Creek to south of Wellington; Gillaspie Drive between Greenbriar and Veile Lake, north side; 71st Street – Lookout Road to Winchester; and Colorado between Discovery and Foothills Parkway, north side.

Pedestrian Crossing Treatment:

2012: \$75,000

Missing Sidewalk Links:

2012: Design and construction of less complicated location (\$200,000)

2013: Continue design and construction of more locations (\$400,000)

2014: Complete construction of missing sidewalk links (\$175,000)

Relationship to Guiding Principles

The Transportation Master Plan states that pedestrians are the priority users of the system. This investment will accelerate the city's progress in establishing a functional and contiguous network of sidewalks with frequent street crossing opportunities.

Public Process Status, Issues

Public Process: Generally, these projects require outreach to adjacent property owners and potential users of the sidewalk. Each location will require its own mini-process.

Status: We have a list of pedestrian crossing treatments and missing links categorized into large (over \$50,000) and small (under \$50,000) projects. The prioritization has been reviewed by TAB. The projects are from the prioritized list in order of priority and according to the controversy surrounding the project, which influences whether we can build it in 3 years. If projects are delayed for various reasons, we will select the next logical project on the list. These projects will be managed by in-house staff and/or by the CIS bond



Transportation Pedestrian Enhancements continued

project manager responsible for multiple bond projects. The designs will be completed by consultants on continuing services contracts if a formal design is needed. Some projects may not need a formal design (i.e. connecting a short section of sidewalk to an existing sidewalk on both sides). The construction will be managed by in-house staff and/or a CIS bond civil engineer who is working on multiple projects, or consultant inspection staff.

Issues: The projects require high level coordination in case some sections become controversial once we start the implementation process. Our backup plan would be to select the next project if one falls off the list.

Relationship with Other Departments

Coordinate with other departments if we encounter utilities or propose a section adjacent to any department's property.

Changes from Past CIP

Estimated Total Cost	
Project Cost	
Construction	\$850,000
Total Project Cost	\$850,000

Unfunded Amount	
Unfunded Amount	
Project Cost Total	\$850,000
Funding Total	(\$850,000)
Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$850,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$850,000

Capital Expenditure Plan	
Expenditures Prior to 2013	\$275,000
Six Year Expenditure Plan	
2013	\$400,000
2014	\$175,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$575,000
Total Funding Plan	\$850,000

Additional Annual Operations and Maintenance

Additional Annual O&M: **Funding Source:**
Additional Annual O&M Description:

The maintenance of sidewalks is the responsibility of the adjacent property owner by Boulder Revised Code.



Project Name: Transportation Transit System Enhancements

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	Multiple Subcommunities
Funding Source:	2011 Capital Investment Bond	BVCP Area:	Area I
Project Number:	14	Map Number:	222
CEAP Required:	No	CEAP Status:	

Project Description

Complete minor improvements at the 14th & Walnut transit station, including improved bus stops on the street, enhanced patron information, and ped/bike access and accommodations. Provide basic access and amenities at all transit stops in Boulder, and additional amenities such as benches, shelters and bike racks at high use stops.

The project breakdown and proposed timing is as follows:

14th & Walnut Station Improvements:

2012: Design and Coordination (\$40,000)

2013: Final Design, Permitting (\$110,000)

2014: Construction (\$400,000)

Miscellaneous Transit Stop Improvements:

2012: Design and installation of transit stop amenities (\$25,000)

Relationship to Guiding Principles

The 14th & Walnut station is over capacity today, and more buses are scheduled to arrive with FasTracks bus rapid transit service. Bike parking is inadequate, and pedestrian and bicycle access is in need of improvement. This increment of investment will provide modest improvements to current operations, accessibility and aesthetics. For current transit stops, approximately 10% of Boulder's 1000 bus stops are inaccessible by wheelchair, lacking curb ramps and concrete pads for boarding.

Public Process Status, Issues

Public Process: The public process for the 14th & Walnut project and be coordinated with RTD and DUHMD. The transit stop improvements will require coordination with RTD and the adjacent property owners if there are impacts to their properties.

Status: A meeting has been held to discuss the concept plan for the 14th & Walnut project, and there are detailed inventories of each of the transit stops and their needs. These projects are planned to be managed by existing staff and/or the CIS Bond project manager working on multiple projects. The designs will be completed by outside consultants and depending on the final scope of 14th & Walnut (there is other money being combined with this money) it may have a consultant selection process. The construction will be bid and managed by internal staff, fixed term help or consultant services.

Issues: Two significant issues will be 1) coordination with RTD on both projects and 2) coordinating with downtown interests to fit the planned improvements within the limited space between the existing buildings on 14th Street.



Transportation Transit System Enhancements continued

Relationship with Other Departments

This project will be coordinated with DUHMD.

Changes from Past CIP

Estimated Total Cost

Project Cost	
Design / Coordination /	
Permitting	\$150,000
Construction	\$450,000
Total Project Cost	\$600,000

Unfunded Amount

Unfunded Amount	
Project Cost Total	\$600,000
Funding Total	(\$600,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013 \$600,000

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$0
Total Funding Plan	\$600,000

Capital Expenditure Plan

Expenditures Prior to 2013 \$300,000

Six Year Expenditure Plan

2013	\$300,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$300,000
Total Funding Plan	\$600,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

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DOWNTOWN/UNIVERSITY HILL MANAGEMENT DIVISION & PARKING SERVICES

2013–2018 Capital Improvement Program

Funding Overview

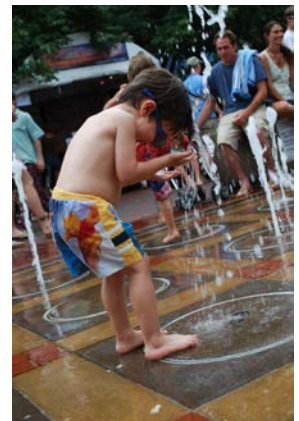
Downtown and University Hill Management Division/Parking Services (DUHMD/PS) manages programs in five funds:

- Downtown Commercial District Fund – including restricted Central Area General Improvement District (CAGID) parking and tax revenues and on-street meter revenues;
- University Hill Commercial District Fund – including restricted University Hill General Improvement District (UHGID) parking and tax revenues and on-street meter revenues;
- Boulder Junction Access District (BJAD) Funds – Parking and Travel Demand Management (TDM) – including district tax revenues and eventually PILOT (payment in lieu of taxes) payments and parking revenues.
- General Fund – including on-street parking revenues, Neighborhood Parking Permit program revenues and parking enforcement revenues.

Accomplishments and Highlights

Projects to be completed in 2012

- CAGID Garage Improvements: A new signage program will be completed in the five garages that include interior painting and an exterior variable messaging system.
- Downtown 14th Street Parking Lots: Landscaping needs around the lots will be addressed.
- CAGID Garage Major Maintenance: The exposed concrete floors of 15th and Pearl Garage will be epoxy coated to preserve and extend the life of the concrete.
- Downtown/Pearl Street Mall Improvements and Amenities Replacement: Irrigation system along the north side of East Pearl will be replaced; replacement fund for the pop jet fountain will be established, and resurfacing of the children’s area and upgrades to the map on the 1400 block will be completed.



Pop jet Fountain on the Pearl Street Mall

Projects Expected for Completion in 2013

- CAGID Garage Major Maintenance: The exterior stairs at 1100 Walnut garage will be replaced.
- Downtown 14th Street Parking Lots: Repair and replacement of the three parking lots will begin.



- Downtown/Pearl Street Mall Improvements and Amenities Replacement: Reserve funds will continue for the replacement of the pop jet fountain, begin mall bollard replacement, and refurbish the pedestrian scale lighting.

Highlights of 2014 – 2018

- CAGID Garage Major Maintenance: Projects to be covered include: major maintenance of the 1400 Walnut elevator; epoxy coating of 1100 Walnut, 1100 Spruce, 1400 Walnut and 1000 Walnut garages.
- Downtown 14th Street Parking Lots: Continued repair and replacement of the lots.
- Downtown/Pearl Street Mall Improvements and Amenities Replacement: Replace pop jet fountain, continue bollard replacement and replace shade structure awnings.
- BJAD–Parking: During 2014 with the completion of the Depot Square Project, BJAD–Parking will begin payments for 100 spaces within the Depot Square Garage.

Relationship to Guiding Principles and Prioritization

All proposed projects in the 2013–2018 CIP are consistent with the applicable guiding principles. DUHMD/PS will be conducting an assessment prior to developing a master plan. All projects have sufficient funds for ongoing maintenance and operations. All projects in the proposed CIP go towards maintaining and improvement existing assets. The Downtown/Pearl Street Mall Improvements/Replacements support the economic sustainability of downtown Boulder by ensuring long term sustainability of our existing infrastructure and investing in the future economic and social vitality of our community center. The CAGID Garage Major Maintenance and Downtown 14th Street Parking Lot replacement provide essential on-going major maintenance and reinvestment in the five parking facilities and three surface lots.

New Projects

With the completion of the Boulder Junction Depot Square project, the Boulder Junction Access District – Parking will begin the seven year lease/purchase of 100 parking spaces within the Depot Square parking garage. Revenues will be derived from property tax payments and parking revenues; with gap funding provided by the general fund.

Deferred, Eliminated, or Changed Projects

None

Unfunded Projects and Emerging Needs

Greater University Hill Infrastructure Investments: As part of the ongoing hill revitalization strategy, high priority infrastructure improvements are proposed that address demonstrated needs within the Hill Community:

- Residential pedestrian scale corridor lighting – up to \$5.7 million.
- Gateway features between the residential and commercial areas – \$500,000

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Table 5-1: 2013-2018 Funding Summary By Department

DOWNTOWN AND UNIVERSITY HILL MANAGEMENT DIVISION (DUHMD) / PARKING SERVICES

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab / Repair / Deficiency Correction										
Downtown 14th Street Parking Lot Improvements	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,000	\$ -	\$ -
Downtown Parking Garage Major Maintenance	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	-	-
Downtown/Pearl St Mall Amenities Replacement	-	125,000	125,000	125,000	125,000	125,000	125,000	750,000	-	-
Subtotal	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -
Total	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	\$ -	\$ -



Capital Improvement Program 2013 — 2018

Downtown & University Hill Management Division/Parking Services





Project Name: Downtown 14th Street Parking Lot Improvements

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: DUHMD **Subcommunity:** Central Boulder
Funding Source: Downtown Commercial D **BVCPArea:**
Project Number: **Map Number:** 150
CEAP Required: No **CEAP Status:**

Project Description

Parking Services manages the parking in three Downtown lots that are not owned by CAGID (they are city property) but located within the CAGID boundaries. Historically, no funds have been set aside for repair or replacement for the lots located at: 1336 Canyon, 1745 14th, and 1775 14th. These lots are for paid permit holders during the week and free on the weekends. There are no meters or pay stations in any of the lots. Parks and Recreation has assumed the responsibility for routine landscaping, but also has not been funded for maintaining and repairing the landscaping around these lots. Consequently, these lots have fallen into disrepair and the surrounding landscaping has deteriorated to bare dirt and a few bushes.

A capital improvement amount of approximately \$285,500 would be needed to complete all necessary pavement repairs for all three lots and \$50,000 for landscaping costs; if there were to be completed all at one time. The annual appropriation of \$25,000 establishes a replacement savings plan for pavement repair and landscape upgrades that will be completed on a rolling basis, as funds accumulate. Once, a lot is newly paved, it will have an estimated life span of 20 years.

Summary of expenses: \$285,500 for repair and replacement to the 3 parking lots. \$50,000 estimated cost of landscaping. Total CIP: \$335,500. This project is funded with on-going replacement funds of \$25,000 per year.

Work will begin on a rolling basis as soon as enough funds are available. Simple landscaping may occur in 2012 along Canyon. One lot will be resurfaced by 2014.

This project is for an ongoing funding program.
This project includes \$0 of outside funding.

Relationship to Guiding Principles

1. Master Plan: DUHMD/PS's plans to create a master plan have been postponed due to work plan constraints.
2. Community Sustainability Goals: Providing access to the downtown supports both the economic sustainability for downtown, i.e. downtown employees, customers, clients, visitors and tourists, as well as the social sustainability, i.e. access for events such as the Farmers Market and festivals.
3. Maintenance and Operations: DUHMD/PS budget includes ongoing maintenance for the three surface lots and Parks and Recreation includes ongoing maintenance for the landscaping.
4. Emerging Needs: Not directly applicable.
5. Support City Business Systems: Not applicable.
6. Improving existing assets: This CIP request directly addresses capital maintenance of a city asset.
7. Meeting Mandates, etc.: Not directly applicable
8. Efficiency of Investments – Cost Benefit and Coordination of Departments: DUHMD/PS and Parks and Recreation Department share maintenance activities.
9. Sound Fiscal Foundation: Does not directly apply.

Public Process Status, Issues

no public process

Relationship with Other Departments

Parks and Recreation, FAM and DUHMD/PS have all participated in the care and maintenance of the 14th Street lots.

Change from Past CIP



Downtown 14th Street Parking Lot Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost		Total Unfunded	

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$25,000
2014	\$25,000
2015	\$25,000
2016	\$25,000
2017	\$25,000
2018	\$25,000

Subtotal \$150,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

Operating costs are currently covered in the Downtown Commercial District fund.



Downtown Parking Garage Major Maintenance continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$0	Project Cost Total	\$0
		Funding Total	(\$1,500,000)
Total Project Cost	\$0	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$250,000
2014	\$250,000
2015	\$250,000
2016	\$250,000
2017	\$250,000
2018	\$250,000
Subtotal	\$1,500,000
Total Funding Plan	\$1,500,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:

Operating costs are covered in the Downtown Commercial District Fund



Project Name: Downtown/Pearl St Mall Amenities Replacement

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	DUHMD	Subcommunity:	Central Boulder
Funding Source:	Downtown Commercial D	BVCPArea:	Area I
Project Number:		Map Number:	151
CEAP Required:	No	CEAP Status:	

Project Description

Until 2012, there was no capital replacement or future improvements plan or funding source identified for the Pearl Street Mall and downtown streetscape improvements. The Downtown Improvement Plan consists of two components: 1) capital replacement budget for the existing amenities on the Pearl Street Mall (pop jet fountain, shade structure, kiosks, play areas, etc.) and existing streetscape elements within the downtown area (benches, trash receptacles, bike racks, etc.) and 2) a plan for future streetscape improvements in sub areas of the downtown.

This project is for an ongoing funding program. DUHMD/PS will work with the Parks Mall staff to develop a 2013 replacement schedule. The replacement funds are designated as amenities age and need replacement or repairs.

In 2013–2018, in addition to accumulating funds for amenities replacement, other projects will be identified as needed.

This project includes \$0 of outside funding.

Relationship to Guiding Principles

1. Master Plan: DUHMD/PS's plans to create a master plan have been postponed due to work plan constraints.
2. Community Sustainability Goals: Downtown and Pearl Street Mall Amenity Replacements are very closely aligned with the social and economic sustainability goals. Downtown is the primary community gathering place, commercial center and tourism attraction, and thus is an important economic generator and source of community pride. A reinvestment strategy needs to be in place to ensure the Pearl Street Mall and downtown remain a vital and attractive city center for residents, visitors and employees. The downtown area provides for a quality of life that attracts and retains diverse businesses; and is the site for dozens of community events that create an inclusive and socially thriving community.
3. Maintenance and Operations: The goal of this request is to provide the long term replacement funds to sustain the amenities. On-going daily maintenance of the Pearl Street Mall and downtown amenities is currently covered by Parks and Recreation, DUHMD/PS and the Downtown Boulder Business Improvement District.
4. Emerging Needs: Not applicable.
5. Support City Business Systems: Not applicable.
6. Improving existing assets: The Downtown/Pearl Street Mall Replacement fund totally supports this guiding principle of sustaining or improving maintenance of existing assets prior to investing in new assets.
7. Meeting Mandates, etc.: Does not directly apply.
8. Efficiency of Investments – Cost Benefit and Coordination of Departments: Reinvestment in existing, well-loved amenities is much more cost effective than constructing new amenities. DUHMD/PS works closely with other departments such as FAM, Transportation, and Parks and Recreation to coordinate planning and maintenance.
9. Sound Fiscal Foundation: Does not directly apply.

Public Process Status, Issues

A Downtown Improvement Plan Task Force prioritized and identified improvements. Staff on the task force represent Parks and Recreation, Planning, Transportation, DUHMD/PS and Facilities Asset Management. Also included are representatives from the downtown boards and organizations: Downtown Management Division, Downtown Boulder Inc. and Downtown Boulder Business Improvement District. Additional stakeholders will be added as the project evolves. The primary foci of the task force has been twofold. First, working with Parks, GIS and FAM staff to create an inventory of existing amenity and streetscape improvements on the Pearl Street Mall and the downtown. This provides the detailed budget necessary to ensure that capital replacement funds are in place for these existing investments. The second component has been the recommendation for areas for future streetscape and infrastructure improvements. Initial streetscape reinvestment was included in the 2011 Capital Bond.

FAM prepared a detailed replacement schedule spanning 10 years.



Downtown/Pearl St Mall Amenities Replacement continued

Relationship with Other Departments

DUHMD/PS staff is working with staff from FAM, Transportation, and Parks and Recreation to coordinate the downtown capital amenities replacement plan. In particular, staff is working closely with Parks and Recreation regarding their CIP for Pearl Street Mall related infrastructure; such as the replacement of the irrigation system.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$0

Total Project Cost \$0

Unfunded Amount

Unfunded Amount

Project Cost Total \$0

Funding Total (\$750,000)

Total Unfunded

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013	\$125,000
2014	\$125,000
2015	\$125,000
2016	\$125,000
2017	\$125,000
2018	\$125,000

Subtotal \$750,000

Total Funding Plan \$750,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:

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City of Boulder

FACILITIES AND ASSET MANAGEMENT

2013–2018 Capital Improvement Program

Funding Overview

Facilities and Asset Management (FAM) CIP includes two funds:

Capital Development Fund

The Capital Development Fund accounts for development fees to be utilized for the construction of capital improvements related to new development and growth. Funding for the Capital Development Fund is provided through the development excise tax (DET) and impact fees.

In 1987, DET was instituted to fund capital improvements related to growth and is paid by new commercial and residential development. Beginning in 2010, excise taxes previously collected for new construction for Fire, Housing and Human Services, Library, Police and Municipal Facilities ceased and were replaced with impact fees. In addition, Parks and Recreation was added to the list of departments collecting impact fees.

Table 6–1: Capital Development Fund Balance – 2011 Year–End

Account	DET Balance	Impact Fee Balance
Library	\$1,977,643	\$64,702
Municipal Facilities	\$1,791,860	\$40,198
HHS	\$728,867	\$20,978
Police Department	\$749,803	\$41,420
Fire Department	\$6,338	\$42,241
Parks and Recreation	N/A	\$443,013
Total	\$5,254,511	\$652,552

Facility Renovation & Replacement Fund

The Facility Renovation & Replacement Fund (FR&R) accounts for major maintenance (projects >\$3000), renovation and replacement projects for FAM maintained buildings, structures and property. The majority of FR&R funding is received as a transfer from the General Fund (GF) and is used to fund projects for FAM maintained buildings and structures. The FR&R fund also receives funding from restricted and enterprise funds for specific departmental projects including remediation work. The FR&R fund is an internal service fund managed by FAM.



Accomplishments and Highlights

Projects Completed in 2012*

- *Roofing Replacement Projects*: Completed major roofing projects at East Boulder Community Center and the Public Safety Building
- *Fire Station #1*: Completed locker room renovations and asbestos abatement
- *HVAC Repairs*: Completed HVAC repairs in all fire stations to improve indoor air quality
- *New Britain Third Floor* : Completed building efficiency renovations deferred since 2009
- *Carnegie Library*: Completed exterior repairs which were primarily funded from the State Historical funds
- *Municipal Building*: Completed improvements to the Council Chambers, Council offices, two conference rooms and the main lobby
- *Valmont Butte Voluntary Clean-Up Program (VCUP)*: Completed VCUP per agreement with Colorado Department of Public Health and Environment
- *Phase 3 Energy Performance Contract*: Completed the installation of solar photovoltaic systems at the Municipal Service Center, Fleet Services, OSMP annexes and The Dairy Center for the Arts.
- *Smart Electric Vehicle Charging Systems*: Completed the installation of charging systems at various city facilities such as the North and South Recreation Centers.
- 🧑‍🔧 *Completed Several Capital Improvement Bond (CIB) Projects*: Replaced gymnasium, racquetball and Pilates room floors at South Boulder Recreation Center, repaired asphalt parking lots throughout city and designed Wildland Fire Facility and Main Library renovation projects.



Solar panels at the OSMP Ute Annex office building



New vehicle lift at Fleet Services

Projects Expected for Completion in 2013

- *Renovate Scott Carpenter Pool Locker Rooms*: Will provide updated finishes, replace fixtures and add heating
- *Harbeck House*: Replace roof and gutter system
- *Municipal Building*: Rebuild flood gates
- *Scott Carpenter Pool*: Renovate locker rooms and add heating
- *Downtown Campus Facilities*: Provide access improvements

* Capital Improvement Bond projects indicated with: 🧑‍🔧



Projects Starting in 2013, but Not Completed

- 🚧 *New Wildland Fire Facility*: A Capital Improvement Bond project will provide for year-round wildland fire fighting capability.
- 🚧 *Main Library Renovation Project*: Includes Capital Improvement Bond funding for children and teen areas and infrastructure repairs for electrical, carpeting and windows

Highlights of 2013–2018 Projects

- *East Boulder Community Center Renovation*: Major renovations are planned in 2019 with funds collected from 2013 to 2018. This project will provide enhancements and updates in response to code requirements since the facility's construction in 1991.
- *Facility Access Improvements*: Provides for improvements in the Municipal Building, Park Central, New Britain and West Senior Center in response to recommendations by Risk Management.
- *Flat Irons Event Center Major Repairs*: Project scope includes repairs to the HVAC, roof and the structure.
- *Replace Carwash Roof and Emergency Generator at Fleet Services*
- *Harbeck House Roof Replacement*
- *Main Library North Plaza*: Reconstructs deteriorated concrete surfaces.
- *Mapleton Ballfield, Renovate Concessions and Restrooms*: Upgrades electrical, lighting and HVAC systems and renews protective coatings.
- *Martin Park and North Boulder Park, Park Shelter Repairs*: Upgrades electrical, plumbing and renews protective coatings.
- *Outdoor Lighting Compliance Improvements*: Replaces outdoor fixtures with LED products to meet the city's outdoor lighting regulations.
- *Stazio Ballfield, Renovate Restrooms and Concessions*: Replace tensile canopy covering, upgrade electrical, plumbing, and HVAC, replace roof, renew protective coatings and provide for ADA compliance.
- *Tantra Shop Renovation*: Renovate and repair Park Operations maintenance shop. *West Senior Center Major Maintenance and Rehabilitation*: Upgrade electrical, HVAC, and plumbing systems, add a fire suppression system, replace roof as required and provide for ADA compliance.
- *Miscellaneous Facility Maintenance Projects*: A collection of major maintenance projects under \$50,000 programmed annually such as roof evaluations, pavement repairs, HVAC upgrades and exterior protective coatings.

Relationship to Guiding Principles and Prioritization

CIP Guiding Principles

The proposed 2013 – 2018 CIP is consistent with the CIP Guiding Principles in that 1) all projects (except those noted below) are consistent with Council accepted master plans; FAM's Master Plan



was last adopted in 2005 and is currently under review), 2) capital improvements are designed to achieve community sustainability goals, 3) funds to operate and maintain projects have been identified, 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs, 6) projects sustain or improve maintenance of existing assets before investing in new assets, 7) projects have been identified to meet legal mandates, improve public safety and reduce annual operating costs and improve efficiency, 8) projects have been coordinated with other departments, 9) the CIP provides sufficient reserves to allow the ability to address emergencies and natural disaster. As projects are developed, improvements may also require building code updates, safety and security enhancements and added efficiencies to reduce energy consumption and operating costs.

Prioritization

In accordance to the FAM Master Plan and under current fiscally constrained funding, essential facilities are maintained to industry standards and remaining facilities at standards commensurate with available funding. Energy efficiencies projects, such as the work accomplished through the Energy Performance Contracts, are funded if budget neutral or if there is less than a three year simple payback.

Table 6–2: FAM Priority Codes

Priority Code	Type of Facility	Type of Work
1	Essential ¹	Essential ²
2	Non-Essential	Essential
3	Essential	Desirable
4	Non-Essential	Desirable ³
5	Essential or Non-Essential	Discretionary ⁴
6	Essential or Non-Essential	Deferred

In addition, FAM prioritizes its projects based on the type of facility and type of work as shown below:

1. Essential Facility: A facility necessary to sustain the most basic core of city services such as public health and safety and/or compliance with federal or state laws particularly during an emergency event. 26 facilities are identified as “essential” in the City of Boulder such as the Municipal Building, Park Central, New Britain, Public Safety Building, Municipal Service Center, Fleet Services, Fire Stations, North Boulder Recreation Center and East Boulder Community Center.
2. Essential Work: Work that is performed for life, health, and safety-related situations. Also includes work that is needed so that a city service can be provided.
3. Desirable Work: Work that does not meet the essential or discretionary definition.
4. Discretionary Work: Work that is not required but would be defined as “nice-to-have.”



Examples of Priority Code Projects:

- Priority 1:* repair emergency generator at the Public Service Building
- Priority 2:* repair emergency lighting at South Boulder Recreation Center
- Priority 3:* replace light bulbs at Park Central
- Priority 4:* replace light bulbs at Meadows Library
- Priority 5:* paint walls at New Britain after 10 years
- Priority 6:* replace carpet in staff spaces after 7 years

Projects Not in Master Plans

- *Fleet Services:* The Fleet Strategic Plan is under development for 2012/2013.
- *Parks and Recreation:* The Flatirons Event Center Repairs and the Tantra Shop Renovation will be prioritized with other projects based upon the Parks and Recreation Master Plan and associated area development plans.
- *West Senior Major Maintenance and Renovation Project:* Housing and Human Services is updating its master plan in 2013. That work and the Civic Center Plan may alter the scope of this project.

New Projects

- *Renewable Energy Analyses:* Perform assessments to evaluate renewable energy sources such as small scale wind, geothermal, biomass, and thermal storage systems on city properties.
- *Facility Assessments:* Create an inventory over the next five years of the indoor conditions of city facilities.

Deferred, Eliminated, or Changed Projects

- *Scott Carpenter Pool, Renovate Locker Rooms:* Delayed until 2014 due to unanticipated expenditure for indoor air quality improvements in all fire stations.
- *Municipal Building, Rebuild Flood Gates:* Delayed until 2013 due to unanticipated expenditure for indoor air quality improvements in all fire stations.
- *Reservoir, Renovate Facilities:* This project will follow the completion of the Reservoir Area Planning.

Unfunded Projects and Emerging Needs



-  *Additional ADA assessments, Accommodations and Indoor Hazards Mitigation:* Only partially funded in the Capital Improvement Bond; facility assessments are indicating deficiencies in all facilities.
-  *Parking Lot Repairs:* Only partially funded in CIB Round 1 with full replacement funding needed for the Municipal Service Center and Public Safety Building.
- *Civic Center Area Plan and Municipal Space Study:* Office space needs are currently under evaluation.

Table 6-3: 2013-2018 Funding Summary By Department

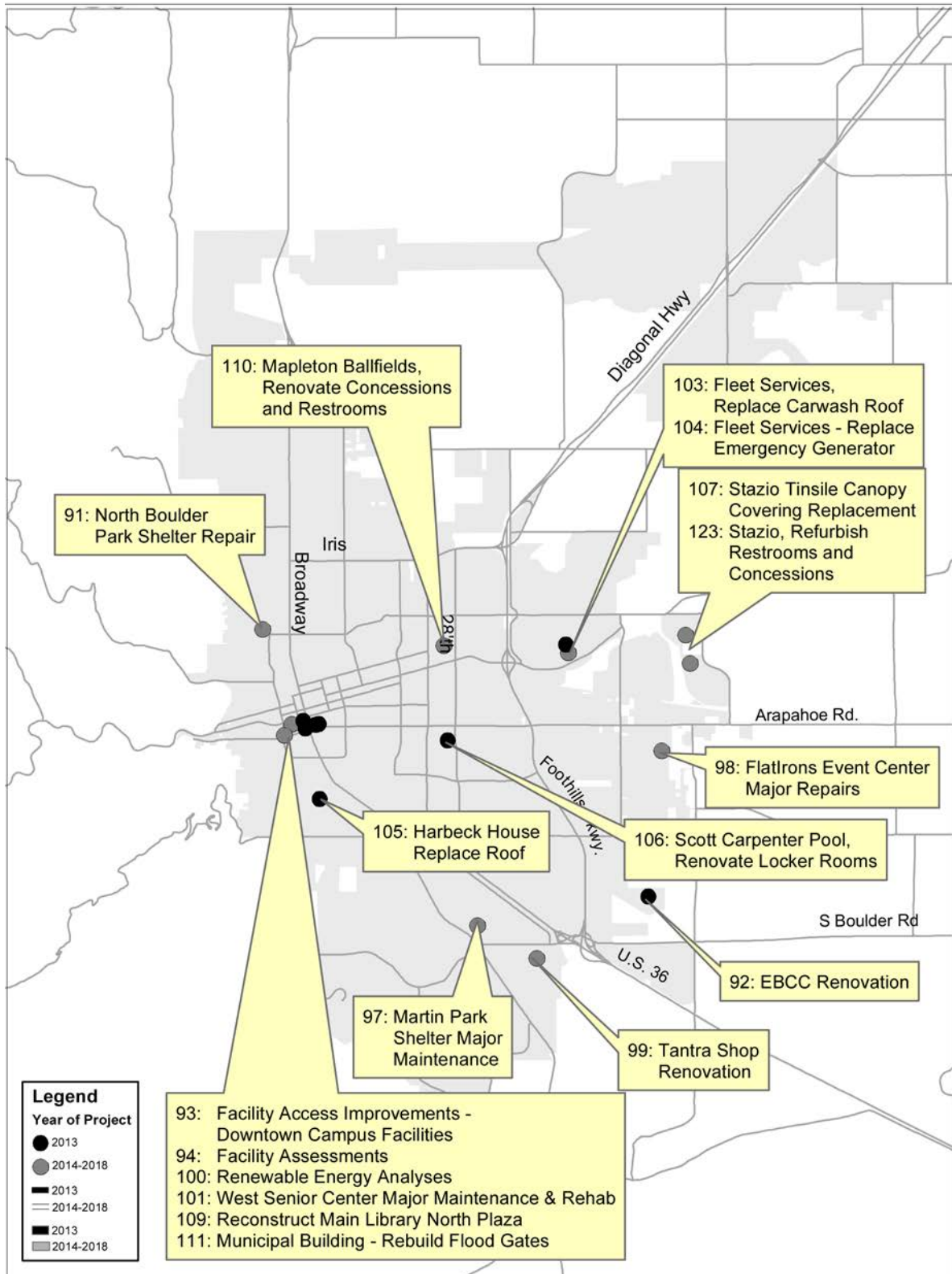
PUBLIC WORKS - FACILITIES AND ASSET MANAGEMENT (FAM) / FLEET

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
East Boulder Community Center Renovation	\$ 1,100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 200,000	\$ 1,100,000	\$ -	\$ -
Facility Access Improvements - Downtown Campus Facilities	300,000	300,000	-	-	-	-	-	300,000	-	-
Subtotal	\$ 1,400,000	\$ 400,000	\$ 100,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 200,000	\$ 1,400,000	\$ -	\$ -
Existing Facility - Rehab/Repair/Deficiency Correction										
Fleet Services, Rpl Emergency Generator + Harbeck House, Replace Roof +	\$ 400,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 350,000	\$ -	\$ 50,000
Municipal Building - Rebuild Flood Gates	100,000	100,000	-	-	-	-	-	100,000	-	-
Scott Carpenter Pool, Renovate Locker Rooms	170,000	170,000	-	-	-	-	-	170,000	-	-
Fleet Services, Replace Carwash Roof + Stazio Refurbish Restrooms and Concessions	50,000	-	50,000	-	-	-	-	50,000	-	-
Stazio Refurbish Restrooms and Concessions	160,000	-	160,000	-	-	-	-	160,000	-	-
Stazio Tensile Canopy Covering Replacement	132,000	-	132,000	-	-	-	-	132,000	132,000	-
Mapleton Ballfields, Renovate Concessions and Restrooms +	100,000	-	-	100,000	-	-	-	100,000	-	-
Outdoor Lighting Compliance Improvements	100,000	-	-	50,000	50,000	-	-	100,000	-	-
Replaster Pools +	80,000	-	-	80,000	-	-	-	80,000	-	-
Main Library Reconstruct North Plaza	147,000	-	-	-	147,000	-	-	147,000	-	-
Martin Park Shelter Major Maintenance	169,000	-	-	-	169,000	-	-	169,000	-	-
North Boulder Park Shelter Repair	120,000	-	-	-	120,000	-	-	120,000	-	-
West Senior Center Major Maintenance & Rehab	700,000	-	-	-	700,000	-	-	700,000	-	-
Flatrons Event Center Major Repairs	600,000	-	-	-	-	600,000	-	600,000	-	-
Tantra Shop Renovation	300,000	-	-	-	-	-	300,000	300,000	-	-
Subtotal	\$ 3,428,000	\$ 470,000	\$ 392,000	\$ 280,000	\$ 1,236,000	\$ 650,000	\$ 350,000	\$ 3,378,000	\$ 132,000	\$ 50,000
On-Going Projects										
Miscellaneous Facility DET Projects	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Miscellaneous Facility Maintenance Projects	-	190,000	140,000	170,000	215,000	180,000	200,000	1,095,000	-	-
Subtotal	\$ -	\$ 240,000	\$ 190,000	\$ 220,000	\$ 265,000	\$ 230,000	\$ 250,000	\$ 1,395,000	\$ -	\$ -
Study or Analysis										
Facility Assessments	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 250,000	\$ -	\$ -
Renewable Energy Analyses	60,000	60,000	-	-	-	-	-	60,000	-	-
Subtotal	\$ 310,000	\$ 110,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 310,000	\$ -	\$ -
Total	\$ 5,138,000	\$ 1,220,000	\$ 732,000	\$ 750,000	\$ 1,751,000	\$ 1,230,000	\$ 800,000	\$ 6,483,000	\$ 132,000	\$ 50,000



Capital Improvement Program 2013 – 2018

Public Works/Facilities and Asset Management





Project Name: East Boulder Community Center Renovation

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Facilities & Asset Ma **Subcommunity:** East Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: **Map Number:** 92
CEAP Required: No **CEAP Status:**

Project Description

Both the North Boulder Recreation Center and the South Boulder Recreation Center have had major renovations approximately every 20 years to accommodate new and changed programs and also ensure building code updates to the city's highest use facilities. This project will accomplish the same at East Boulder Community Center since it's construction in 1991.

This project will begin in 2018.

Costs:

1. Planning: \$110,000
2. Acquisition: \$ 0
3. Construction: \$990,000

The project is anticipated to complete construction in 2019.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Meet legal mandates from federal, state, or city levels; reduce operating costs and improve efficiency

Public Process Status, Issues

This project will tie into the Parks and Recreation Master Plan Update being accomplished 2012.

Relationship with Other Departments

This project will be coordinated with the Parks and Recreation Department

Change from Past CIP

New input for 2013.

Estimated Total Cost

Project Cost

Project Cost \$1,100,000

Total Project Cost \$1,100,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$1,100,000
 Funding Total (\$1,100,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$100,000
 2014 \$100,000
 2015 \$200,000
 2016 \$200,000
 2017 \$300,000
 2018 \$200,000

Subtotal \$1,100,000

Total Funding Plan \$1,100,000



East Boulder Community Center Renovation continued

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:



Project Name: Facility Access Improvements – Downtown Campus Facilities

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: **Map Number:** 93
CEAP Required: No **CEAP Status:**

Project Description

Provide facility access improvements in the Municipal Building, Park Central, New Britain and West Senior Center. Upgrades include replacing cypher locks with card access entries, adding security doors, installing security systems, and re-keying locksets.

Relationship to Guiding Principles

This project falls under guiding principle #7: Capital improvements should: maintain or improve public safety and security.

Public Process Status, Issues

None.

Relationship with Other Departments

This project will be coordinated with occupants of the facilities, the Police Department and Risk Management.

Change from Past CIP

Added for 2013.

Estimated Total Cost

Project Cost		Unfunded Amount	
Project Cost	\$300,000	Project Cost Total	\$300,000
		Funding Total	(\$300,000)
Total Project Cost	\$300,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$300,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$300,000
Total Funding Plan	\$300,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$30,000 **Funding Source:** Each department's equipment replacement fund and contributions to those accounts based on occupancy in the improved facilities.

Additional Annual O&M Description:

Anticipated annual costs for maintenance and equipment replacement funding for new and installed equipment.



Project Name: Facility Assessments

Project at a Glance

Project Type: Study or Analysis
Department: PW/ Facilities & Asset Ma **Subcommunity:** System-wide
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: **Map Number:** 94
CEAP Required: No **CEAP Status:**

Project Description

Perform visual inspections and sampling of materials in city facilities to have an inventory of any asbestos, lead based paint, and other indoor air quality concerns. The inventory will provide awareness for building occupants, maintenance staff, construction personnel, and emergency responders so as not to disturb the hazard. An inventory will also identify remediation projects, as needed. Expect a 5-year program to complete the 130-plus buildings managed by FAM.

Relationship to Guiding Principles

This project will sustain and improve maintenance of existing assets in relationship to CIP principle #6 - CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

None.

Relationship with Other Departments

FAM will coordinate with other departments in performing the inventory of the facilities.

Change from Past CIP

New project

Estimated Total Cost

Project Cost

Project Cost \$250,000

Total Project Cost \$250,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$250,000
 Funding Total (\$250,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$50,000
 2014 \$50,000
 2015 \$50,000
 2016 \$50,000
 2017 \$50,000
 2018 \$0

Subtotal \$250,000

Total Funding Plan \$250,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional O&M anticipated with this assessment.



Project Name: Flatirons Event Center Major Repairs

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** East Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:**
Project Number: **Map Number:** 98
CEAP Required: No **CEAP Status:**

Project Description

Repair roof, replace HVAC systems and replace windows at the Flatirons Event Center. These systems are long overdue for replacement in this facility originally constructed in 1948. The roof has been patched several times and is beyond its predicted life for its patching. Roofs leaks in 2008 required major mold remediation. No upgrades and energy efficiencies have been accomplished in this facility, awaiting on the future status of the Flatirons Events Center.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

Parks and Recreation Department is updating the Parks and Recreation Master Plan in 2012 which will assist in determining the future of the Event Center.

Relationship with Other Departments

This will be coordinated with the Parks & Recreation Department.

Change from Past CIP

New project added in 2013.

Estimated Total Cost

Project Cost

Project Cost \$600,000

Total Project Cost \$600,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$600,000
Funding Total (\$600,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$0
 2016 \$0
 2017 \$600,000
 2018 \$0

Subtotal \$600,000

Total Funding Plan \$600,000

Additional Annual Operations and Maintenance

Additional Annual O&M: **Funding Source:**
Additional Annual O&M Description:



Project Name: Fleet Services, Replace Carwash Roof +

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** East Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501-XXX **Map Number:** 103
CEAP Required: No **CEAP Status:**

Project Description

Replace roof on carwash facility that has reached its life expectancy.

This project will begin in 2014.

Costs:

1. Planning: \$1,000
2. Acquisition: \$ 0
3. Construction: \$49,000

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

None. This project will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated within the Public Works Department.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost	\$50,000
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Total Project Cost	\$50,000
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Unfunded Amount

Unfunded Amount

Project Cost Total	\$50,000
Funding Total	(\$50,000)

Total Unfunded	\$0
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Capital Funding Plan

Funding Prior to 2013	\$0
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Six Year Funding Plan

2013	\$0
2014	\$50,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal	\$50,000
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Total Funding Plan	\$50,000
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Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** * Fleet Services Major Maintenance

Additional Annual O&M Description:

No additional operational costs will result from completing this project.



Project Name: Fleet Services, Rpl Emergency Generator +

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma Subcommunity: East Boulder
Funding Source: Facility Renovation & Rep BVCPArea:
Project Number: 501XXX Map Number: 104
CEAP Required: No CEAP Status:

Project Description

Replace existing emergency back-up generator that has reached its life expectancy and is undersized with a new generator sized to accommodate the full load for fleet services. Since Fleet Services is required to support critical emergency services such for Police, Fire, Transportation and Utilities, the growing electrical needs over the past 20 years have outgrown the original generator.

This project will begin when funds are collected to start the replacement, expected construction start is 2018. Since Fleet Services is an internal service, FR&R contributions from fleet are required to fund this replacement.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
#7 – Maintain or improve public safety and security

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated within the Public Works Department.

Change from Past CIP

Cost increases due to generator size increases

Table with 2 columns: Estimated Total Cost and Unfunded Amount. Rows include Project Cost (\$400,000), Project Cost Total (\$400,000), Funding Total (\$350,000), Total Project Cost (\$400,000), and Total Unfunded (\$50,000).

Capital Funding Plan

Table showing funding plan: Funding Prior to 2013 (\$0), Six Year Funding Plan (2013-2018) with annual amounts up to \$100,000, Subtotal (\$350,000), and Total Funding Plan (\$350,000).

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source: * Fleet Services Major Maintenance

Additional Annual O&M Description:

No additional operational costs will result from completing this project.



Project Name: Harbeck House, Replace Roof +

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 105
CEAP Required: No **CEAP Status:**

Project Description

Replace 1980 installed roof on the Harbeck House. A 2010 roof assessment rated this roof in poor condition requiring replacement. The estimate also include gutter and downspout replacement costs. This building currently houses the Boulder History Museum.

+ Funding from other than General Fund FR&R:
\$50,000 from Fund 118 – Parks & Rec Major Maintenance–managed by FAM
\$50,000 from .25 sales tax, Cultural and Historic Funds

This project will begin in 2013.

Costs:

1. Planning: \$3,000
2. Acquisition: \$ 0
3. Construction: \$97,000

The project is anticipated to complete construction in 2013.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Promote community partnerships.

Public Process Status, Issues

This project will require a landmark alteration certificate, which is a staff level review through the historic preservation program.

Relationship with Other Departments

This project will be coordinated with the Parks and Recreation Department and with the Boulder History Museum.

Change from Past CIP



Harbeck House, Replace Roof + continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$100,000	Project Cost Total	\$100,000
		Funding Total	(\$100,000)
Total Project Cost	\$100,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$100,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$100,000
Total Funding Plan	\$100,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:

No additional operational costs will result from completing this project.



Project Name: Main Library Reconstruct North Plaza

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 109
CEAP Required: No **CEAP Status:**

Project Description

The Main Library Plaza, located at 1000 Canyon, will require replacement due to its age and condition to repair cracked and heaving pavements and prevent tripping hazards.

This project will begin in 2016.

Costs:

1. Planning: \$14,000
2. Acquisition: \$ 0
3. Construction: \$133,000

The project is anticipated to complete construction in 2016.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

Project design will be reviewed by the Planning Department. Further design reviews will be conducted by the BDAB and Planning Board as appropriate.

Relationship with Other Departments

This project will be coordinated with the Library Department.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$147,000

Total Project Cost \$147,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$147,000

Funding Total (\$147,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0

2014 \$0

2015 \$0

2016 \$147,000

2017 \$0

2018 \$0

Subtotal \$147,000

Total Funding Plan \$147,000



Main Library Reconstruct North Plaza continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operational costs are anticipated from completing this project.



Project Name: Mapleton Ballfields, Renovate Concessions and Restrooms +

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 110
CEAP Required: No **CEAP Status:**

Project Description

This project upgrades electrical, lighting and HVAC systems to current building codes, upgrades plumbing system and fixtures for water conservation, and renews interior and exterior surface finishes.

+ Funding from other than General Fund FR&R:
 Fund 118 – Parks & Rec Major Maintenance, managed by FAM

This project will begin in 2015.

Costs:

1. Planning: \$10,000
2. Acquisition: \$ 0
3. Construction: \$90,000

The project is anticipated to complete construction in 2016.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Reduce operating costs and improve efficiency.

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated with the Parks & Recreation Department.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$100,000

Total Project Cost \$100,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$100,000

Funding Total (\$100,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$100,000
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$100,000

Total Funding Plan \$100,000



Mapleton Ballfields, Renovate Concessions and Restrooms + continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operational costs will result from completing this project.



Project Name: Martin Park Shelter Major Maintenance

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** South Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 97
CEAP Required: No **CEAP Status:**

Project Description

This project upgrades the electrical system to current building codes, upgrades plumbing systems and fixtures, and renews interior and exterior surface finishes.

This project will begin in 2016 .

Costs:

1. Planning: \$16,000
2. Acquisition: \$ 0
3. Construction: \$153,000

The project is anticipated to complete construction in 2017.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Capital improvements should: Meet legal mandates from federal, state, or city levels

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated with the Parks & Recreation Department. The P&R Round 1, Capital Investment Strategy project improves the shelter's exterior to include ADA access to the shelters, lighting upgrades, amenities (benches/tables), bear proof trash/recycling receptacles and concrete flatwork.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$169,000

Total Project Cost \$169,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$169,000
 Funding Total (\$169,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$0
 2016 \$169,000
 2017 \$0
 2018 \$0

Subtotal \$169,000

Total Funding Plan \$169,000



Martin Park Shelter Major Maintenance continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:



Project Name: Miscellaneous Facility DET Projects

Project at a Glance

Project Type: On-Going Projects
Department: PW/ Facilities & Asset Ma **Subcommunity:** System-wide
Funding Source: Capital Development Fun **BVCPArea:** System-wide
Project Number: 511702 **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

City's participation in accomplishing small projects and advance project planning, less than \$50,000 each, that are done in conjunction with other new construction or expansion projects related to growth. Previous projects include: Valmont Butte engineering and environmental studies, Children, Youth and Family Services Addition, and Outfitting the University Hill Police Annex.

For discrete, on-going projects as they are identified during the funding year:

This project will begin in 2013.

Costs:

1. Planning: \$5,000
2. Acquisition: \$ 0
3. Construction: \$ 45,000

The project is anticipated to complete construction in 2013.

Relationship to Guiding Principles

#4 – CIP should provide enough capacity and flexibility in our long-term planning to be able to respond to emerging, unanticipated needs.

Public Process Status, Issues

Any public process will be identified in conjunction with the overall project development. Project design will be reviewed by the Planning Department. Further design reviews will be conducted by the LPAB, DDAB, and/or Planning Board as appropriate.

Relationship with Other Departments

This project will be coordinated with the affected departments.

Change from Past CIP



Miscellaneous Facility DET Projects continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$680,000	Project Cost Total	\$680,000
		Funding Total	(\$680,000)
Total Project Cost	\$680,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$380,000
Six Year Funding Plan	
2013	\$50,000
2014	\$50,000
2015	\$50,000
2016	\$50,000
2017	\$50,000
2018	\$50,000
Subtotal	\$300,000
Total Funding Plan	\$680,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:

No additional operational costs will result from completing these projects.



Project Name: Miscellaneous Facility Maintenance Projects

Project at a Glance

Project Type: On-Going Projects
Department: PW/ Facilities & Asset Ma **Subcommunity:** System-wide
Funding Source: Facility Renovation & Rep **BVCPArea:** System-wide
Project Number: 501452 **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

This project addresses funding for on-going building replacement and miscellaneous projects costing less than \$50,000 each. Facility replacement and projects costing \$50,000 or more are individually listed in the CIP. Facility maintenance projects costing less than \$50,000 will be managed by the Facilities & Fleet Manager. Typical projects include roof evaluations, backflow prevention, parking lot repairs, sidewalk repairs, structural inspections, HVAC upgrades, and exterior masonry repairs and protective coatings.

This project is for an ongoing funding program.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Meet legal mandates from federal, state, or city levels; maintain or improve public safety and security; reduce operating costs and improve efficiency

Public Process Status, Issues

Any project associated with these funds will be taken through the appropriate public process and CEAP review as part of the conceptual design if needed. Project design will be reviewed by the Planning Department. Further design reviews will be conducted by the DDAB and Planning Board as appropriate.

Recent coordinations have been at the Department level for HVAC repairs at the Main Library and solar thermal repairs at North Boulder Recreation Center.

Relationship with Other Departments

This project will be coordinated with the affected departments.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost

Total Project Cost

Unfunded Amount

Unfunded Amount

Project Cost Total

Funding Total

Total Unfunded

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$190,000
2014	\$140,000
2015	\$170,000
2016	\$215,000
2017	\$180,000
2018	\$200,000

Subtotal \$1,095,000

Total Funding Plan



Miscellaneous Facility Maintenance Projects continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operational costs will result from completing these repair projects.



Project Name: Municipal Building – Rebuild Flood Gates

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 111
CEAP Required: No **CEAP Status:**

Project Description

Rebuild automatic flood gates at Municipal building with lower maintenance gate structures. This project was moved from 2012 due to another higher priority project need identified in early 2012.

This project will begin in 2013.

Costs:

1. Planning: \$10,000
2. Acquisition: \$ 0
3. Construction: \$90,000

The project is anticipated to complete construction in 2013.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

This project will require a landmark alteration certificate, as the Municipal Building and its surrounding grounds are designated as an individual landmark. This project can be reviewed by the landmarks design review committee.

Relationship with Other Departments

This project will be coordinated with historic preservation in the Planning Department.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$100,000

Total Project Cost \$100,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$100,000
 Funding Total (\$100,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$100,000
 2014 \$0
 2015 \$0
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$100,000

Total Funding Plan \$100,000



Municipal Building – Rebuild Flood Gates continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:



Project Name: North Boulder Park Shelter Repair

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 91
CEAP Required: No **CEAP Status:**

Project Description

This project upgrades the electrical system to current building codes, upgrades plumbing systems and fixtures, and renews interior and exterior surface finishes.

This project will begin in 2016.

Costs:

1. Planning: \$12,000
2. Acquisition: \$ 0
3. Construction: \$108,000

The project is anticipated to complete construction in 2017.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Capital improvements should: Meet legal mandates from federal, state, or city levels

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated with the Parks & Recreation Department. The P&R Round 1, Capital Investment Strategy project improves the shelter's exterior to include ADA access to the shelters, lighting upgrades, amenities (benches/tables), bear proof trash/recycling receptacles and concrete flatwork.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$120,000

Total Project Cost \$120,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$120,000
 Funding Total (\$120,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$0
 2016 \$120,000
 2017 \$0
 2018 \$0

Subtotal \$120,000

Total Funding Plan \$120,000



North Boulder Park Shelter Repair continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operating costs are anticipated.



Project Name: Outdoor Lighting Compliance Improvements

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** System-wide
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

Replace outdoor lighting fixtures to comply with Boulder Revised Code 9–9–16, Outdoor Lighting ordinance. Lights must conform not later than 15 years after July 15, 2003. Projects will occur as lighting technologies, such as light emitting diodes, LEDs, become more advanced and less costly. This project is only for outdoor lighting under FAM's responsibility. Other departments, such as Parks and Recreation, are programming separate lighting projects.

This project is for an ongoing funding program for two years. In 2015, \$50,000 will be spent on half of the lights not yet in compliance. In 2016, anticipate the same amount to be spent on remaining lights.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Meet legal mandates from federal, state or city levels.

Public Process Status, Issues

Any project associated with these funds will be taken through the appropriate public process and review as part of the conceptual design, if needed.

Relationship with Other Departments

Work will be coordinated with affected departments.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$100,000

Total Project Cost \$100,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$100,000
 Funding Total (\$100,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$50,000
 2016 \$50,000
 2017 \$0
 2018 \$0

Subtotal \$100,000

Total Funding Plan \$100,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:



Project Name: Renewable Energy Analyses

Project at a Glance

Project Type: Study or Analysis
Department: PW/ Facilities & Asset Ma **Subcommunity:** System-wide
Funding Source: Capital Development Fun **BVCPArea:** System-wide
Project Number: **Map Number:** 100
CEAP Required: No **CEAP Status:**

Project Description

Perform analyses and assessments for small scale wind, geothermal, biomass, and other renewable technologies on city properties. While the city has funded or planned for solar pv installations, more information is required for the feasibility of other renewable technologies on city property before investments are made. Since this is a study for possibly new facilities, it qualifies for Capital Development Funds use.

Relationship to Guiding Principles

This projects fits the following guiding principle:
 2. Capital Improvements should achieve Community Sustainability Goals: Environmental – sustainable materials, construction practices, renewable resources, etc.

Public Process Status, Issues

None.

Relationship with Other Departments

This will be coordinated with all affected city departments.

Change from Past CIP

New for 2013.

Estimated Total Cost

Project Cost

Project Cost	\$60,000
Total Project Cost	\$60,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$60,000
Funding Total	(\$60,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$60,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$60,000
Total Funding Plan	\$60,000

Additional Annual Operations and Maintenance

Additional Annual O&M: **Funding Source:**
Additional Annual O&M Description:



Project Name: Replaster Pools +

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** East Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

Replaster the one of the recreational pools which will be determined at a future date.

+ Funding from other than General Fund FR&R:
 Fund 118, Major Maintenance, P&R–managed by FAM

This project will begin in 2015.

Costs:

1. Planning: \$8,000
2. Acquisition: \$ 0
3. Construction: \$ 72,000

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

This project location will be dependent on decision yet to be made on the Aquatics Facility Study and the Parks and Recreation pool replaster projects.

Relationship with Other Departments

This project will be coordinated with Parks and Recreation.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$80,000

Total Project Cost \$80,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$80,000
 Funding Total (\$80,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$80,000
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$80,000

Total Funding Plan \$80,000



Replaster Pools + continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operational costs will result from completing this project.



Project Name: Scott Carpenter Pool, Renovate Locker Rooms

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Crossroads
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 106
CEAP Required: No **CEAP Status:**

Project Description

The Scott Carpenter Pool Locker Rooms and Filter Building are in need of major maintenance. This project upgrades electrical and HVAC systems to current building codes, provides for ADA compliance to new 2010 standards, upgrades plumbing systems and fixtures, replaces the roof, replaces the filtering system, and renews interior and exterior surface finishes. In 2012, the hot water boiler was no longer repairable and was replaced with a high efficiency boiler and storage system to provide a heating source for this project.

This project will begin in 2013.

Costs:

1. Planning: \$17,000
2. Acquisition: \$ 0
3. Construction: \$153,000

The project is anticipated to complete construction in 2013.

Relationship to Guiding Principles

- #6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.
- #7 – Capital improvements should reduce operating costs and improve efficiency.

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated with Parks & Recreation Department

Change from Past CIP

Moved from 2012 to 2013 with the exception of hot water boiler replaced in 2012.

Estimated Total Cost

Project Cost

Project Cost \$170,000

Total Project Cost \$170,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$170,000

Funding Total (\$170,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$170,000
 2014 \$0
 2015 \$0
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$170,000

Total Funding Plan \$170,000



Scott Carpenter Pool, Renovate Locker Rooms continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operational costs will result from completing this project.



Project Name: Stazio Refurbish Restrooms and Concessions

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** East Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area II
Project Number: 501XXX **Map Number:** 123
CEAP Required: No **CEAP Status:**

Project Description

This project upgrades electrical and HVAC systems to current building codes, upgrades plumbing systems and fixtures, and renews interior and exterior surface finishes.

This project will begin in 2014.

Costs:

1. Planning: \$16,000
2. Acquisition: \$ 0
3. Construction: \$144,000

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated with the Parks & Recreation Department.

Change from Past CIP

Moved from 2013 to 2014 to coincide with concessions remodel.

Estimated Total Cost

Project Cost

Project Cost \$160,000

Total Project Cost \$160,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$160,000
 Funding Total (\$160,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$160,000
 2015 \$0
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$160,000

Total Funding Plan \$160,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:



Project Name: Stazio Tensile Canopy Covering Replacement

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** East Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area II
Project Number: 501XXX **Map Number:** 107
CEAP Required: No **CEAP Status:**

Project Description

The Stazio Tensile Canopy was inspected in 2003 by the contractor that originally installed the structure. All cables, structural components and coverings were inspected and found to be sound and fully functional. Preventive maintenance was performed on the structure. The contractor noted in their report that the covering is nearing the end of its service life and should be replaced in approximately five years (2008). The contractor prepared a cost estimate for replacement of the covering. This project was originally scheduled for 2009; the delay to 2013 allowable by accomplishing minor repairs in 2010 versus complete replacement.

This project will begin in 2014.

Costs:

1. Planning: \$6,000
2. Acquisition: \$ 0
3. Construction: \$126,000

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

None. Project design will be reviewed during the normal permitting process.

Relationship with Other Departments

This project will be coordinated with the Parks & Recreation Department.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$132,000

Total Project Cost \$132,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$132,000

Funding Total (\$264,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$132,000

Six Year Funding Plan

2013 \$0
 2014 \$132,000
 2015 \$0
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$132,000

Total Funding Plan \$264,000



Stazio Tensile Canopy Covering Replacement continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:**

Additional Annual O&M Description:

No additional operational costs are anticipated from completing this project.



Project Name: Tantra Shop Renovation

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma Subcommunity: South Boulder
Funding Source: Facility Renovation & Rep BVCPArea:
Project Number: Map Number: 99
CEAP Required: No CEAP Status:

Project Description

Renovate the Tantra Park Shop for continuing use for Park Operations maintenance staff. This 3,000 square foot facility, constructed in 1984, needs repairs and renovations to major building systems.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

Future of Tantra property will be part of Parks and Recreation Master Plan update in 2012.

Relationship with Other Departments

Will coordinate with Parks & Recreation Department.

Change from Past CIP

Added in 2013.

Estimated Total Cost

Project Cost

Project Cost \$300,000

Total Project Cost \$300,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$300,000
Funding Total (\$300,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
2014 \$0
2015 \$0
2016 \$0
2017 \$0
2018 \$300,000

Subtotal \$300,000

Total Funding Plan \$300,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:

Additional Annual O&M Description:



Project Name: West Senior Center Major Maintenance & Rehab

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Facilities & Asset Ma **Subcommunity:** Central Boulder
Funding Source: Facility Renovation & Rep **BVCPArea:** Area I
Project Number: 501XXX **Map Number:** 101
CEAP Required: No **CEAP Status:**

Project Description

This project provides refurbishment and replacement of the facilities including HVAC, electrical, and plumbing systems. It renews all surface finishes including carpet, paint, and ceilings. Provides improvements to restrooms and adds a fire sprinkler system, which is currently lacking, to the entire facility as required by B.R.C. 10-8, Fire Prevention Code. Provides for requirements under the new 2010 ADA standards. Replaces 1995 roof sections as required.

This project is scheduled for 2016, but may change depending on the outcomes of the civic center master plan and the Human and Health Services Department master plan update in 2013.

Costs:

1. Planning: \$70,000
2. Acquisition: \$ 0
3. Construction: \$630,000

If started in 2014, the project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

#6 – CIP should sustain or improve maintenance of existing assets before investing in new assets.

Public Process Status, Issues

Project design will be reviewed during the normal permitting process and the master plans portions affecting this project will be approved by City Council.

Relationship with Other Departments

This project will be coordinated with HHS Department and Meals on Wheels. The kitchen was remodeled in 2006 by Meals on Wheels at a cost of approximately \$400,000. This cost has been subtracted from the estimated refurbishment cost noted in the FAM Master Plan of \$1,228,000, leaving an estimated cost of \$828,000. Additional work is being accomplished in the Energy Performance Contracts.

Change from Past CIP



West Senior Center Major Maintenance & Rehab continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$700,000	Project Cost Total	\$700,000
		Funding Total	(\$700,000)
Total Project Cost	\$700,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$700,000
2017	\$0
2018	\$0
Subtotal	\$700,000
Total Funding Plan	\$700,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:
Additional Annual O&M Description:

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 is done as a team effort, combining input from Flood Utilities, Transportation, Parks and Recreation, Water Quality and Environmental Services, 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 capital 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 Capital 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

Projects Completed in 2012

- *Fourmile Broadway to Violet (Violet Crossing):* 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.
- *Fourmile 26th to 28th Streets:* 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.



New multi-use path constructed in conjunction with the Violet Crossing development

Projects Expected for Completion in 2013

- *Goose Creek Restoration Project:* 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.

Projects Starting in 2013, but Not Completed

All of the following projects will be in the design phase during 2013. All projects include flood mitigation, multi-use paths and bicycle and pedestrian underpasses.

- Wonderland Creek Foothills to 30th
- Wonderland Creek (28th Street underpass) Kalmia to Winding Trail
- Fourmile Canyon Creek at 19th Street
- Fourmile Canyon Creek Upland to Violet.

Highlights of 2013–2018 Projects

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.

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
- 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.



Goose Creek restoration project will begin in 2012.

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 Guiding Principles and 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 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 was 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 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.

Greenways Advisory Committee

The Greenways Advisory Committee recommended (5–0) to the City Planning Board and the City Council to approve the proposed Greenways Capital Improvement Program (CIP), with the modification already being recommended by the Budget Office that the Greenways project administration be moved from a separate line item into the relevant capital projects.



Circle Boulder by Bicycle Greenways event

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Table 7-1: 2013-2018 Funding Summary By Department

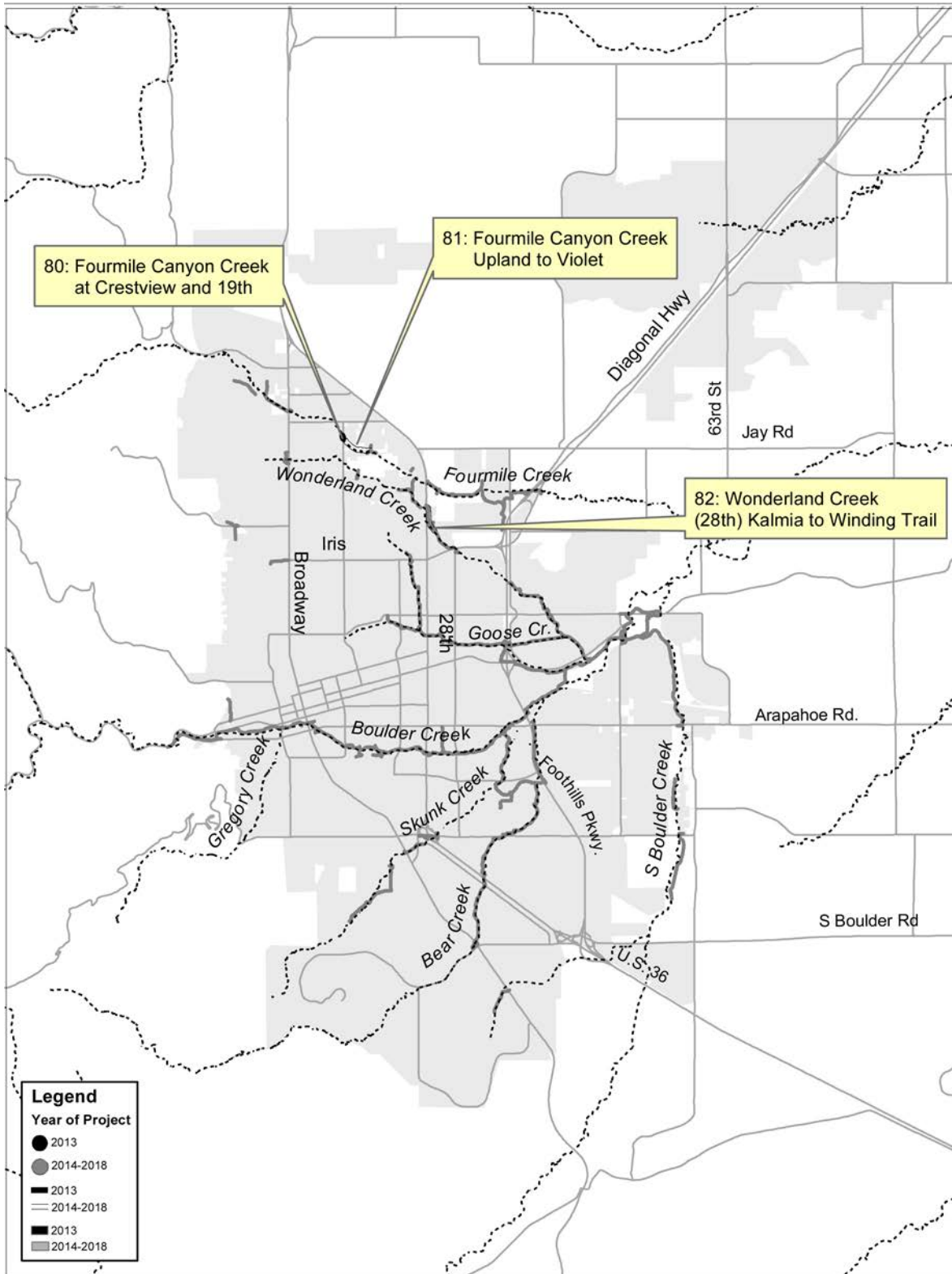
PUBLIC WORKS - GREENWAYS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Fourmile Canyon Creek at Crestview & 19th	\$ 1,500,000	\$ 295,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,000	\$ 390,000	\$ -
Wonderland Creek (28th) Kalmia to Winding Trail	5,465,000	-	295,000	270,441	-	-	-	565,441	-	-
Fourmile Canyon Creek Upland to Violet	3,500,000	-	-	-	270,441	270,441	270,441	811,323	-	200,000
Subtotal	\$ 10,465,000	\$ 295,000	\$ 295,000	\$ 270,441	\$ 270,441	\$ 270,441	\$ 270,441	\$ 1,671,764	\$ 390,000	\$ 200,000
On-Going Projects										
Miscellaneous Water Quality, Restoration and Trail Improvements	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Subtotal	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	\$ -	\$ -
Total	\$ 10,465,000	\$ 345,000	\$ 345,000	\$ 320,441	\$ 320,441	\$ 320,441	\$ 320,441	\$ 1,971,764	\$ 390,000	\$ 200,000



Capital Improvements Program 2013 – 2018

Public Works/Greenways Program





Project Name: Fourmile Canyon Creek at Crestview & 19th

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Greenways **Subcommunity:** North Boulder
Funding Source: Tributary Greenways **BVCPArea:** Area I
Project Number: **Map Number:** 80
CEAP Required: Yes **CEAP Status:** yes

Project Description

Project includes improvements to Fourmile Canyon Creek, flood mitigation, environmental restoration and off-street trail connections. These improvements will be done in conjunction with work being done by the Flood Utilities Division, Transportation Division and the Parks Department.

The first phase of the improvements at Crestview (19th to 22nd) includes carry over money of \$815,859 from flood and \$685,000 from Greenways (2011–2013) for a total project cost of \$1,500,000 as follows:

1. Planning: \$300,000 (2012–2013)
2. Acquisition: \$200,000 (2012–2013)
3. Construction: \$1,000,000 (2013–2014)

The project is anticipated to be completed in 2014.

Relationship to Guiding Principles

This project is listed in the Greenways Master Plan and the Transportation Master Plan and the Fourmile Canyon Creek and Wonderland Creek Flood Mitigation Plan and the North Boulder Subcommunity Plan.

Public Process Status, Issues

The CEAP for this project was reviewed by the Greenways Advisory Committee in Feb 2012 and Council in April 2012.

Relationship with Other Departments

All work along the Greenways is coordinated through the Greenways staff group that includes representatives from the Open Space Department, Parks and Recreation Department, Planning Department and Transportation and Utilities Divisions.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$1,500,000

Total Project Cost \$1,500,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$1,500,000

Funding Total (\$685,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$390,000

Six Year Funding Plan

2013 \$295,000
 2014 \$0
 2015 \$0
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$295,000

Total Funding Plan \$685,000



Fourmile Canyon Creek at Crestview & 19th continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$1,000 **Funding Source:**

Additional Annual O&M Description:

will be covered by existing maintenance budgets



Project Name: Fourmile Canyon Creek Upland to Violet

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Greenways **Subcommunity:** North Boulder
Funding Source: Tributary Greenways **BVCPArea:** Area I
Project Number: **Map Number:** 81
CEAP Required: Yes **CEAP Status:**

Project Description

Project includes improvements to Fourmile Canyon Creek from Upland to Violet, flood mitigation, environmental restoration and off-street trail connections. These improvements will be done in conjunction with work being done by the Flood Utilities Division, Transportation Division and the Parks Department.

There is \$2,500,000 from flood and \$811,323 from Greenways shown in the CIP in 2016–2018 for improvements along Fourmile between Upland and Violet. Based on very conceptual plans, this project is estimated to cost approximately \$3.5 million

- 1. Planning: \$900,000 (2012–2016)
 - 2. Acquisition: \$600,000 (2012–2016)
 - 3. Construction: \$2,000,000 (2018–2019)
- The project is anticipated to be completed in 2019.

Relationship to Guiding Principles

This project is listed in the Greenways Master Plan and the Transportation Master Plan and the Fourmile Canyon Creek and Wonderland Creek Flood Mitigation Plan and the North Boulder Subcommunity Plan.

Public Process Status, Issues

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

Relationship with Other Departments

All work along the Greenways is coordinated through the Greenways staff group that includes representatives from the Open Space Department, Parks and Recreation Department, Planning Department and Transportation and Utilities Divisions.

Change from Past CIP



Fourmile Canyon Creek Upland to Violet continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$3,500,000	Project Cost Total	\$3,500,000
		Funding Total	(\$811,323)
Total Project Cost	\$3,500,000	Total Unfunded	\$200,000

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$270,441
2017	\$270,441
2018	\$270,441
Subtotal	\$811,323
Total Funding Plan	\$811,323

Additional Annual Operations and Maintenance

Additional Annual O&M: \$1,000 **Funding Source:**

Additional Annual O&M Description:
will be covered by existing maintenance budgets



Project Name: Miscellaneous Water Quality, Restoration and Trail Improvements

Project at a Glance

Project Type: On-Going Projects
Department: PW/ Greenways **Subcommunity:** System-wide
Funding Source: Tributary Greenways **BVCPArea:** System-wide
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

Miscellaneous water quality, habitat resoration and trail improvements projects.

This project is for an ongoing funding program. In 2013, this funding will be used to help fund stream bank restoration improvements along Boulder Creek at Eben Fine Park and a joint restoration project with the U.S. Army Corps along Goose Creek and potential proejects with Open Space along Boulder Creek and South Boulder Creek.

Relationship to Guiding Principles

These projects are listed in the Greenways Master Plan Update.

Public Process Status, Issues

Projects will be coordinated with Transportation, Utilities, Parks and Open Space or the developers of a property.

Relationship with Other Departments

Projects are developed with input from the City's Transportation, Utilities, Open Space, Parks Department, Boulder County and as well as through coordination with developers.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost

Total Project Cost

Unfunded Amount

Unfunded Amount

Project Cost Total

Funding Total

Total Unfunded

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$50,000
2014	\$50,000
2015	\$50,000
2016	\$50,000
2017	\$50,000
2018	\$50,000

Subtotal \$300,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: **Funding Source:**

Additional Annual O&M Description:

These projects are enhancements to existing conditions and will be maintained by the city's Greenways habitat maintenance crew and/or Parks and Open Space maintenance staff. Initial maintenance levels when the project is first constructed will be higher, but ultimatley these projects should require less maintenance than the current conditions dictate.



Project Name: Wonderland Creek (28th) Kalmia to Winding Trail

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Greenways **Subcommunity:** Crossroads
Funding Source: Tributary Greenways **BVCPArea:** Area I
Project Number: **Map Number:** 82
CEAP Required: Yes **CEAP Status:**

Project Description

Project includes improvements to Wonderland Creek, flood mitigation, environmental restoration, an bicycle and pedestrian underpass at 28th Street and off-street trail connections to Winding Trail Drive.

The Wonderland at 28th St (from Kalmia to Winding Trail) will begin with a CEAP and design in 2012. The total project cost is \$5,465,000, with \$565,441 from Greenways and \$4,000,000 from flood and \$900,000 from TIP distributed as follows:

- 1 Planning: \$960,000 (2012–2015)
- 2 Acquisition: \$200,000 (2013–2015)
- 3 Construction: \$4,305,000 (2015–2016)

Relationship to Guiding Principles

This project is listed in the Greenways Master Plan and the Transportation Master Plan and the Fourmile Canyon Creek and Wonderland Creek Flood Mitigation Plan and the North Boulder Subcommunity Plan.

Public Process Status, Issues

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

Relationship with Other Departments

All work along the Greenways is coordinated through the Greenways staff group that includes representatives from the Open Space Department, Parks and Recreation Department, Planning Department and Transportation and Utilities Divisions.

Change from Past CIP

This project was moved up in the CIP as a result of receiving federal TIP funding

Estimated Total Cost

Project Cost

Project Cost \$5,465,000

Total Project Cost \$5,465,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$5,465,000
 Funding Total (\$565,441)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$295,000
 2015 \$270,441
 2016 \$0
 2017 \$0
 2018 \$0

Subtotal \$565,441

Total Funding Plan \$565,441



Wonderland Creek (28th) Kalmia to Winding Trail continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$1,000 **Funding Source:**

Additional Annual O&M Description:

will be covered by existing maintenance staff

Funding Overview

Since the 2010 CIP, de-Bruced property tax revenues have been the primary ongoing funding source for the fledgling Information Technology CIP, supplemented by limited operating transfers from departments such as IT. This resulted a 2012 fund balance of slightly over \$1.1 million dedicated to critical projects outlined below. Several critical citywide information technology projects amounting to roughly \$4.4 million were included in the recently-approved 2011 Capital Improvement bond including: replacement of the city's financial, human resources and payroll software, replacement of the citywide permits and licensing system, website and on-line service enhancements, asset and maintenance management software improvements, and expansion of the city's document management system.

Though not yet elements of the CIP, the Computer Replacement Fund (CRF) and the Telecommunications Fund (TF) (both referred to as "internal service funds") have been used to progressively accumulate replacement reserves for existing personal computers, server equipment, network infrastructure, central telephone systems and associated operating system and database costs.

Accomplishments and Highlights

Projects Completed in 2012

- *Conduct financial management/ERP needs assessment:* Formally assess software and business process change requirements associated with the replacement of financial, human resources and payroll systems.
- *Conduct IT security audits/assessments:* Using outside evaluators, conduct previously unfunded comprehensive security assessments of citywide IT systems and operating practices. (Funded by IT operating transfers).
- *Redesign the city's website:* Design and implement a new website and associated content management system.
- *Implement a Constituent Relationship Management (CRM) system (funded by CIS bond proceeds but not included in original IT Strategic Plan):* Provide web-based software for citizens to submit and track service requests and obtain information on city services.
- *Implement IT project portfolio management software:* Implement a system to prioritize projects, allocate staff resources, and track our large volumes of IT requests. (Funded by IT operating transfers.)



Projects Expected for Completion in 2013

- *Develop a document management implementation plan:* Develop an action plan for expanding the use of automated document management and digital imaging technologies to underserved departments.

Projects Starting in 2013, but Not Completed (Funded with dedicated Capital Improvement Bond funds, accumulated IT CIP reserves and IT operating funds)

- *Implement a new, integrated financial, human resources and payroll system:* Replace the city's aging and soon-to-be unsupported software applications in these essential administrative areas.
- *Implement a new citywide permits and licensing system:* Replace the city's aging and soon-to-be unsupported permits software while adding and centralizing current distributed licensing programs.
- *Implement citywide asset and management automation:* In conjunction with the financial system replacement, seek opportunities to improve asset and maintenance management automation among several separate systems in current use.
- *Pilot a business intelligence system:* In conjunction with the major system replacement projects listed above, implement pilot technologies that collect, store, analyze, and report on data – presenting a management-level view (e.g., dashboard) of the results.

Highlights of 2013–2018 Projects

- *Complete 2009–2013 IT Strategic Plan projects:* The initiatives listed above represent the outstanding projects from the original 2009–2013 IT Strategic Plan. In late-2012, a major update to this Plan will begin covering the years 2014–2016. Expected highlights of this plan are included in the “Emerging Needs” section below.

Relationship to Guiding Principles and Prioritization

The 2009–2013 IT Strategic Plan serves as the Master Plan for major, citywide automation initiatives over the planning horizon (mid-2009 through 2013). The plan resulted in the identification of five (5) major technology investment goals with individual projects alignment with one of each, and classifies projects into the five goal areas using the city's business model approach to establish relative priorities. Below is the comprehensive list of both completed and pending projects from the Plan.



Figure 8-1: IT Strategic Plan Projects

IT Projects	Fiscally Constrained			Action			Vision		
	Essential	Desirable	Discretionary	Essential	Desirable	Discretionary	Essential	Desirable	Discretionary
1. Service Quality and Accessibility									
1.1 Develop eGovernment strategic plan		X							
1.2 Redesign the City's website				X					
1.3 Complete document management implementation				X					
2. IT Service and Decision Making Alignment									
2.1 Implement citywide IT governance	X								
2.2 Establish IT performance measures	X								
2.3 Create IT CIP fund	X								
2.4 Align IT charges with services	X								
2.5 Conduct financial management/ERP needs assessment					X				
2.6 Develop a document management implementation plan		X							
2.7 Adopt IT portfolio management						X			
2.8 Create a customer account representative position					X				
2.9 Centralize infrastructure and customer services functions	X								
2.10 Implement central IT service model enhancements				X					
3. Efficiency and Effectiveness									
3.1 Implement an integrated finance/HR system				X					
3.2 Implement citywide maintenance management automation				X					
3.3 Implement permit management				X					
4. Innovation									
4.1 Pilot a business intelligence system					X				
4.2 Create a plan for establishing a county/city GIS group		X							
5. Quality, Sustainable IT Infrastructure									
5.1 Migrate and optimize servers	X								
5.2 Complete replacing phone system with VoIP	X								
5.3 Conduct IT security audits/assessments					X				

Deferred, Eliminated, or Changed Projects

With approval of requested software enhancement funds in the 2011 Capital Improvement Bond initiative, most near-term software application needs identified in the IT Strategic Plan horizon (209-2013) are being addressed.

Unfunded Projects and Emerging Needs

Though critical short-term technology investment needs are significantly aided by the one-time funding from the recent Capital Improvement Bond initiative, current annual IT CIP funding allocations of roughly \$350k annually will not address the funding needs associated with new,



emerging software-based automation opportunities that will continually arise. In addition, current ongoing CIP funding will not address the need to accumulate reserves for future replacements and/or expansion of critical enterprise software (e.g. finance and payroll) and departmental systems (e.g. police records management, parks and recreation registration, court case management and many others).

From a broader perspective, the Computer Replacement and Telecommunication internal service funds currently used to accumulate reserves for future IT infrastructure replacement (e.g. PCs, networks, servers, telephones, etc) are based on a funding model that only accounts for the replacement of current systems. Particularly as mobile computing infrastructure needs (e.g. mobile devices, wireless networks, virtualized servers, associated security systems) expand significantly over the next several years, we lack capital funding to address infrastructure capacity expansion needs to sustain them.

A major focus of the pending major update to the IT Strategic Plan (2014–2016) will include identification and costing of expanded automation and deferred capital replacement needs. At a basic level, it is anticipated that the updated Plan will move beyond planning for the needs of only enterprise systems (those impacting nearly all departments) by expanding to include the critical business and automation needs of individual departments – including current critical systems without future replacement funding strategies.

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Table 8-1: 2013-2018 Funding Summary By Department

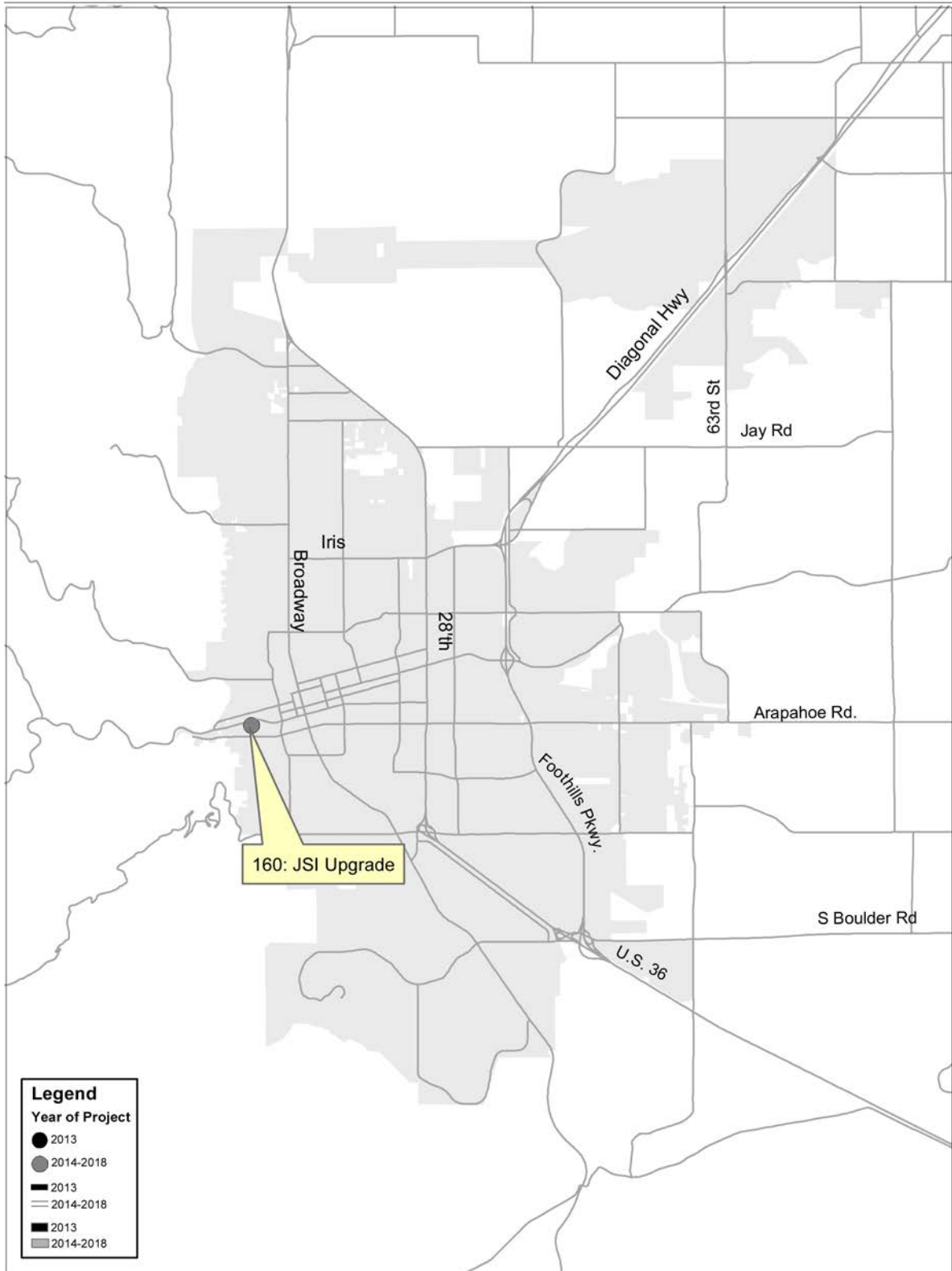
INFORMATION TECHNOLOGY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements/Upgrades										
JSI Upgrade	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -
Subtotal	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -
Total	\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ -	\$ -



Capital Improvements Program 2013 — 2018

Information Technology





Project Name: JSI Upgrade

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
 Department: Information Technology Subcommunity: System-wide
 Funding Source: General Fund BVCPArea: System-wide
 Project Number: Map Number: 160
 CEAP Required: No CEAP Status:

Project Description

Migration of our court case management system (JSI's "FullCourt") to a web-based environment. The upgrade to the new environment is not covered by conventional software maintenance fees and will involve significant reengineering of the system platform.

Relationship to Guiding Principles

This project supports Guiding Principal #5: Capital Improvement Programs should maintain and enhance the supporting city-wide business systems, such as information and finance systems, for the city over the long-term.

Public Process Status, Issues

None Noted.

Relationship with Other Departments

This project will primarily involve the Muni Court department and the Information Technology department. If a decision is made to include the implementation of the prosecution module in this project, then the City Attorney's office will also be involved.

Change from Past CIP

This project is new to the plan this year.

Estimated Total Cost

Project Cost		Unfunded Amount	
Project Cost	\$135,000	Project Cost Total	\$135,000
		Funding Total	
Total Project Cost	\$135,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$135,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$135,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source: Existing operating budget should be sufficient to support this cost. It is not anticipated that the upgrade alone will result in higher maintenance costs.

Additional Annual O&M Description:

There will be an annual payment to the software vendor for software support and maintenance.

OPEN SPACE AND MOUNTAIN PARKS

2013–2018 Capital Improvement Program

Funding Overview

Open Space and Mountain Parks' CIP projects are funded from two sources, the Open Space Fund and the Lottery Fund. Ninety two percent of Open Space Fund revenues derive from dedicated sales and use tax collections. There are three sales taxes that support the Open Space Fund: the 0.40% sales tax has no sunset; the 0.33% sales tax expires December 31, 2018; and the 0.15% sales tax which expires December 31, 2019.

Open Space and Mountain Parks also expends Lottery Funds on CIP projects. The Lottery Fund derives its revenue from the Conservation Trust Fund. These funds are not restricted to OSMP.

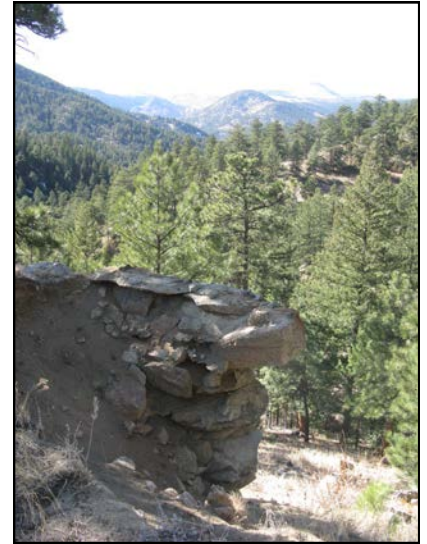
Accomplishments and Highlights

Projects Completed in 2012

- West Trail Study Area (WTSA) Plan Implementation – Trails
 - ◆ Green Bear – complete re-route
 - ◆ Anemone trails – design and build the Sunshine and Anemone Loop Trails
 - ◆ Homestead Trail – re-route part of trail, repair remainder
 - ◆ Towhee Trail – re-route part of trail, repair remainder
 - ◆ West Sanitas (Wittemyer) – construct new trail
 - ◆ Big Bluestem Trail – re-route trail
 - ◆ South Boulder Creek Trail – re-route trail
- West Trail Study Area Plan Implementation – Trailheads and access points
 - ◆ Flagstaff Summit – Develop plan and design and begin work on refurbishing the Summit
 - ◆ Gregory Canyon Trailhead – Develop a site plan
 - ◆ South Boulder Creek West Trailhead – Refurbish trailhead including adding horse trailer parking
- West Trail Study Area Plan Implementation – Interpretive signs
 - ◆ In HCAs, at Crown Rock, at South Boulder Creek West Trailhead, and along Anemone Loop Trail
- Community Ditch Trail Crossing of SH 93 – Under pass
 - ◆ Design work in 2012, construction in 2013
- Green Ditch fish passage
 - ◆ Construction of head gate and fish passage structure
- Grassland Plan Implementation
 - ◆ Construction of additional fences and livestock water structures
- New roofs on Annex and Ute
 - ◆ Needed to support solar panels



- Cultural Resources
 - ◆ Chapman Drive switchback and cattle guard repair: Chapman Drive was built in 1935 by the Civilian Conservation Corps (CCC). Through the years, one of the stone switchbacks has failed and is collapsing. This project will repair the switchback and the nearby cattle guard, also a CCC project;
 - ◆ Sanitas Stone Hut and Arch repair: A stone hut was built circa 1900 to entertain patients at the nearby Boulder Sanitarium. It was losing mortar and stones, creating a safety hazard. This project strengthened the hut and made it safe for visitors again – it also repaired a nearby stone arch, built about the same time;
 - ◆ Stockton Cabin repair: this historic cabin on the Shadow Canyon trail was in need of some repair and routine maintenance for safety and aesthetic concerns;
 - ◆ Interpretive signs for South Mesa landscape: these signs are designed to connect the historic sites and their stories along the South Mesa Trailhead landscape;
 - ◆ Hedgecock Ice House repair: This project is repairing a stone house built in 1896 (one of OSMP's oldest structures);
 - ◆ Weiser House repair: This project will repair and make livable a recent acquisition. The house is eligible for National Register of Historic Places;
 - ◆ Viele House basement repair/mitigation: This project will determine and eliminate the water collection problem in the basement of this 1890 house, which is a City of Boulder historic landmark.



Failed switchback on Chapman Drive

Projects Expected for Completion in 2013

- West Trail Study Area (WTSA) Plan Implementation – Trails
 - ◆ Saddle Rock Trail – Re-route
 - ◆ Green Mountain West Ridge Trail – Re-route
 - ◆ Tenderfoot Trail – Re-route northern portion
 - ◆ Trail between Gregory Canyon and Saddle Rock – close and restore
 - ◆ Trail from 1st Flatiron to EM Greenman – close and restore
 - ◆ Construction of the under or over pass on Community Ditch Trail across SH 93
 - ◆ Designate and improve trail from Shadow Canyon to Dinosaur Viewpoint
- West Trail Study Area (WTSA) Plan Implementation – Trailheads and access points
 - ◆ Build access to South Boulder Creek from South Boulder Creek Trail
 - ◆ Rehabilitate Flagstaff Summit Trailhead
 - ◆ Rehabilitate Gregory Canyon Trailhead
- Cultural Resources
 - ◆ Viele House repair and stabilization;
 - ◆ Cherryvale agricultural district building repair and stabilization;
 - ◆ Interpretive signs Flagstaff Historic Cultural District;
 - ◆ North TSA survey/inventory.



Projects Starting in 2013, but Not Completed

- Rehabilitate Flagstaff Summit Trailhead
- Repair/stabilization of historic/cultural structures and sites.

Highlights of 2013–2018 Projects

- Construction of under or over pass across SH 93 for Community Ditch Trail users
- Completion of vast majority of trails and trailhead projects called out in the WTSA Plan
- Completion of the North Trail Study Area Plan
- Viele House repair and stabilization
- Cherryvale agricultural district building repair and stabilization
- Continued repair/stabilization of cultural structures and sites.



Viele House prior to repairs

Relationship to Guiding Principles and Prioritization

Guiding Principles

All proposed projects in the 2013 – 2018 CIP are consistent with the applicable guiding principles. Sufficient funds in our operating budget have been identified for ongoing maintenance and operations. Most projects in the proposed CIP go towards maintaining and improving existing assets. These projects are called out in the Visitor Master Plan and/or the subsequent West Trail Study Area Plan. These projects add to the quality of life and visual appeal of our community that help to attract employment opportunities and sustain job retention in the Boulder Valley. Many of these projects improve the sustainability of our lands.

Prioritization

The over-riding factor in determining the priority of projects to work on is the direction given by City Council to implement the WTSA Plan as quickly as possible. Within the list of projects called for in the WTSA Plan, priority was given to projects that will have the most positive effect on resource protection and land sustainability within the system. Additionally, some projects were chosen due to their proximity to other large projects that are at the top of the priority list. Some projects were selected on the basis of user safety as much as any other criteria, i.e. the under or over pass across SH93 for Community Ditch Trail users.

New Projects

- Viele House repair and stabilization: This project will continue the repair of this City of Boulder historic landmark;
- Interpretive signs Flagstaff Historic Cultural District: The top of Flagstaff Mountain is a Boulder County Historic Landmark. Signs will be placed at the corresponding sites like



Halfway House, Green Mountain Lodge and the Sunrise Amphitheatre to tell the story of the history of the sites;

- Continued maintenance, repair/stabilization and interpretation of various historic/cultural structures and sites.

Deferred, Eliminated, or Changed Projects

At this time, no projects in the 2012 - 2017 CIP have been deferred, delayed or eliminated.

Unfunded Projects and Emerging Needs

Based on current financial projections, funds will be available to complete all the listed projects. Emerging needs occur frequently in cultural resources as structures' exposure to the elements takes a daily toll. It is difficult to predict repairs that will be made necessary on an emergency basis.

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Table 9-1: 2013-2018 Funding Summary By Department

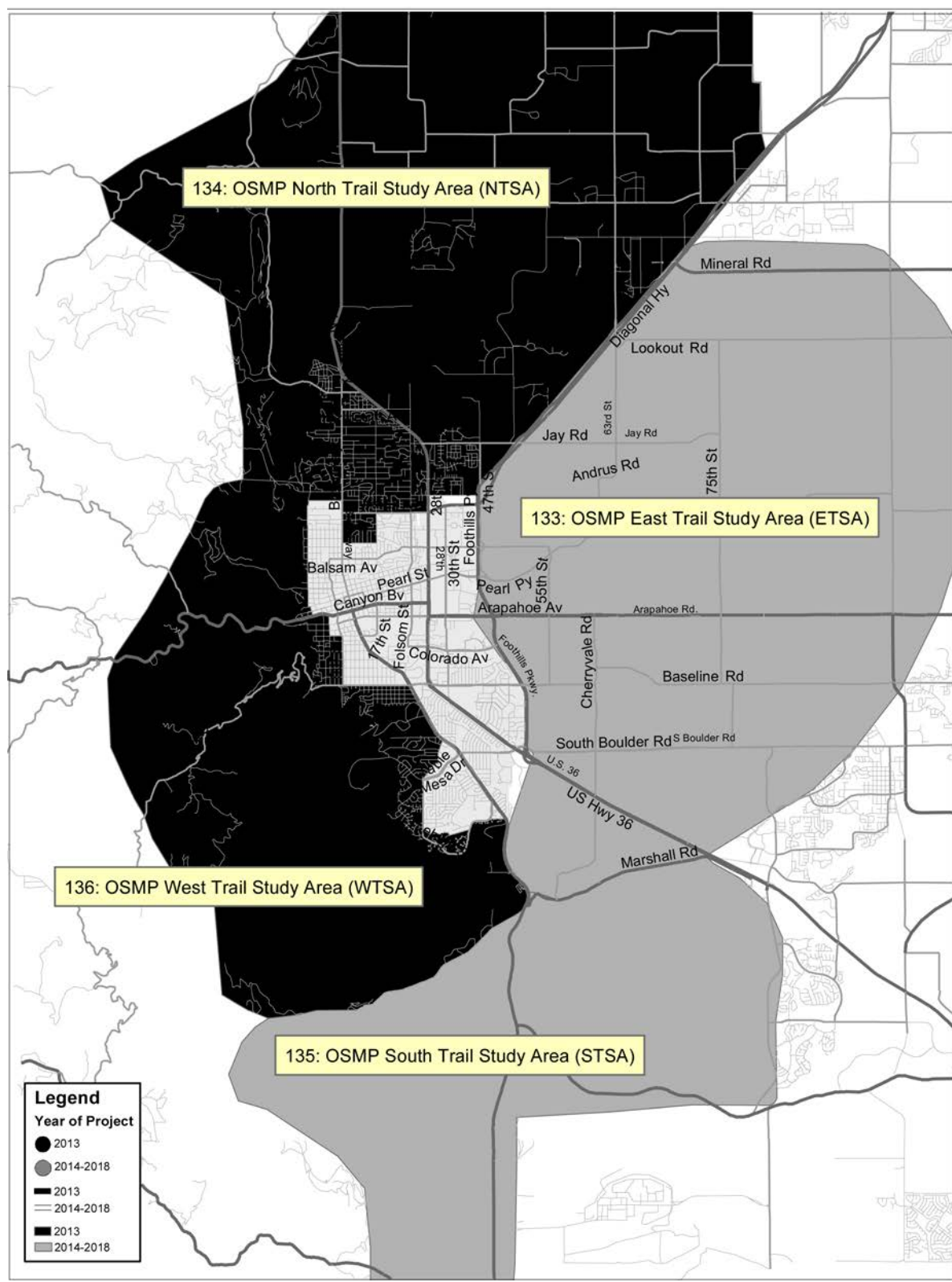
OPEN SPACE AND MOUNTAIN PARKS

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair/Deficiency Correction										
South Boulder Creek Instream Flow	\$ 2,400,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ 2,350,000	\$ 50,000	\$ -
Subtotal	\$ 2,400,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 2,000,000	\$ -	\$ -	\$ 2,350,000	\$ 50,000	\$ -
Land Acquisition										
Acquisition Program - On-Going Project	\$ -	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 3,400,000	\$ 20,400,000	\$ -	\$ -
Mineral Rights Acquisition - On-Going Project	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	261,184	-
Water Rights Acquisition - On-Going Project	-	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	-	-
Subtotal	\$ -	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 3,700,000	\$ 22,200,000	\$ 261,184	\$ -
New Construction - Not Growth Related										
OSMP North Trail Study Area (NTSA)	\$ -	\$ 50,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 550,000	\$ -	\$ -
OSMP West Trail Study Area (WTSA)	-	450,000	450,000	450,000	450,000	450,000	450,000	2,700,000	500,000	-
OSMP East Trail Study Area (ETSA)	-	-	-	50,000	100,000	100,000	100,000	350,000	-	-
OSMP South Trail Study Area (STSA)	-	-	-	-	-	50,000	100,000	150,000.00	-	-
Subtotal	\$ -	\$ 500,000	\$ 550,000	\$ 600,000	\$ 650,000	\$ 700,000	\$ 750,000	\$ 3,750,000	\$ 500,000	\$ -
On-Going Projects										
OSMP - Historical Structures & Trails - Stabilization & Restoration - On-Going Project	\$ -	\$ 343,000	\$ 343,000	\$ 355,300	\$ 355,300	\$ 355,300	\$ 355,300	\$ 2,107,200	\$ -	\$ -
Visitor Infrastructure - System Wide - On-Going Project	-	400,000	350,000	300,000	250,000	200,000	200,000	1,700,000	-	-
Subtotal	\$ -	\$ 743,000	\$ 693,000	\$ 655,300	\$ 605,300	\$ 555,300	\$ 555,300	\$ 3,807,200	\$ -	\$ -
Total	\$ 2,400,000	\$ 5,043,000	\$ 5,043,000	\$ 5,105,300	\$ 6,955,300	\$ 4,955,300	\$ 5,005,300	\$ 32,107,200	\$ 811,184	\$ -



Capital Improvements Program 2013 — 2018

Open Space & Mountain Parks





Project Name: Acquisition Program – On-Going Project

Project at a Glance

Project Type:	Land Acquisition		
Department:	Open Space & Mountain	Subcommunity:	System-wide
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	720000	Map Number:	0
CEAP Required:	No	CEAP Status:	N/A

Project Description

This project is to acquire additional acres of open space, subject to available funding, within the BVCP Area III as well as the areas in the Northern Tier and in Jefferson County as approved by the OSBT and City Council. Funding is provided from the projected restricted Open Space sales tax revenue. The project includes funding for survey, appraisal, professional fees and related acquisition and immediate management costs. This project is for an ongoing funding program. In 2013, \$3,400,000 will be allocated to acquisition of real property. During 2012, the Weiser property was purchased. This acquisition met the following open space goals: preservation of natural areas, water resources and land for passive recreation; utilization of land to prevent encroachment on floodplains; and preservation of land for its contribution to the quality of life of the community. Operating costs are budgeted in the operating budget of OSMP.

Relationship to Guiding Principles

Funding for the acquisitions supports the Open Space Acquisitions and Management Plan as approved by the OSBT and City Council in 1999, 2000, 2005, 2008 and 2009. The conceptual acquisition area in Area III is annually coordinated and incorporated with the Boulder Valley Comp Plan.

Public Process Status, Issues

Specific purchases are recommended by the Open Space Board of Trustees and approved by City Council.

Relationship with Other Departments

The Open Space & Mountain Parks department works cooperatively with other City Departments, primarily Parks and Recreation, Greenways, Transportation, Utilities and Planning. The department also works with and promotes inter-governmental cooperation with national, state and local conservation and Open Space programs, such as Boulder County Open Space, Louisville, Lafayette, Superior and Longmont, Colorado Open Space Alliance (COSA), GOCO, Colorado Dept of Natural Resources, CDOW and others including the Trust for Public Lands, The Conservation Fund and The Nature Conservancy.

Change from Past CIP



Acquisition Program – On-Going Project continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$20,400,000)
Total Project Cost		Total Unfunded	

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$3,400,000
2014	\$3,400,000
2015	\$3,400,000
2016	\$3,400,000
2017	\$3,400,000
2018	\$3,400,000
Subtotal	\$20,400,000
Total Funding Plan	\$20,400,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Open Space Fund

Additional Annual O&M Description:

OSMP maintenance costs are primarily related to visitation and visitor infrastructure. Acquisition of land does not necessarily increase operating costs at a significant level.



Project Name: Mineral Rights Acquisition – On-Going Project

Project at a Glance

Project Type:	Land Acquisition		
Department:	Open Space & Mountain	Subcommunity:	System-wide
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	935000	Map Number:	0
CEAP Required:	No	CEAP Status:	N/A

Project Description

This on-going program provides funding to purchase underlying mineral interests from private owners or others as they become available on the real estate market. Many of these interests in minerals, gas, oil and aggregates were severed from the lands before properties were purchased by the City and could cause future management issues. Funds also provide for research, mapping and analyzing potential acquisitions. This project is for an ongoing funding program. In 2013, \$100,000 will be allocated to acquisition of mineral rights. The Mineral Rights Acquisition program provides funding to purchase underlying minerals as they become available. Active negotiations are occurring to secure mineral interests located in Section 16 in Jefferson County. No mineral rights have been acquired in recent years that have been purchased separate from land purchases because of unavailability on the market. The definition of a CIP project includes “the purchase of the physical assets of the community”. By purchasing the rights to the mineral, the city is purchasing a physical asset.

Relationship to Guiding Principles

Funding for these acquisitions supports the Open Space Acquisitions and Management Plan as approved by the OSBT and City Council in 1999 and in 2000, 2005, 2008 and 2009.

Public Process Status, Issues

Annual funding is approved by both the Open Space Board of Trustees and City Council.

Relationship with Other Departments

The Open Space & Mountain Parks department works cooperatively with other City Departments, primarily Parks and Recreation, Utilities and Transportation. The department also works with and promotes inter-governmental cooperation with national, state and local conservation and Open Space programs, such as Boulder County Open Space, Jefferson County Open Space, Louisville, Lafayette and Longmont, Colorado Open Space Alliance (COSA), GOCO, Colorado Department of Natural Resources, CDOW and others.

Change from Past CIP



Mineral Rights Acquisition – On-Going Project continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$861,184)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$261,184
Six Year Funding Plan	
2013	\$100,000
2014	\$100,000
2015	\$100,000
2016	\$100,000
2017	\$100,000
2018	\$100,000
Subtotal	\$600,000
Total Funding Plan	\$861,184

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Open Space Fund
Additional Annual O&M Description:
Included in annual appropriations for operations



Project Name: OSMP – Historical Structures & Trails – Stabilization & Restoration – On-Going Project

Project at a Glance

Project Type:	On-Going Projects		
Department:	Open Space & Mountain	Subcommunity:	Area III
Funding Source:	Lottery Fund	BVCPArea:	Area III
Project Number:	730000	Map Number:	0
CEAP Required:	Yes	CEAP Status:	As appropriate

Project Description

Many historic structures and visitor infrastructure features on OSMP are in need of stabilization, reclamation, rehabilitation or replacement. Focus for 2013 will be on structures in the West Trail Study Area (W TSA). This will be the second year of a planned seven year implementation period for projects identified in the W TSA Plan. Historic site assessments and related stabilization, reclamation and rehabilitation will be conducted on historic structures on Flagstaff Summit and other areas in the W TSA area. In addition, major maintenance and restoration projects will be completed on the historic trails system that was largely constructed by the Civilian Conservation Corps (CCC) or by citizen use. Additionally, renovation of various trail heads will be undertaken. Related efforts will continue across this landscape over the planning period. This project is for an ongoing funding program. Projects worked on in 2012 include Chapman Drive switchback and cattle guard repair; Sanitas Stone Hut and Arch repair; Stockton Cabin repair; interpretive signs for South Mesa landscape; and Hedgecock Ice House repair. Projects anticipated for 2013 and beyond include Weiser house repair; Viele House basement repair/mitigation; interpretive signs for the Flagstaff Historic Cultural District; and repair/stabilize historic/cultural structures and sites as necessary.

Relationship to Guiding Principles

Restoration and stabilization of these historic facilities will meet the objective of the Open Space & Mountain Parks Long Range Management Policies and the Visitor Master Plan.

Public Process Status, Issues

Projects are approved by the OSBT through the public process. Projects whose scope requires a CEAP are also approved by City Council under the CEAP call-up provision. In addition, the public has input via email and public meetings in the trail study area planning process.

Relationship with Other Departments

Where appropriate OSMP coordinates with City Parks and Recreation, County transportation and CDOT concerning access issues in this area. In addition, for this project OSMP will coordinate with County Planning.

Change from Past CIP



OSMP – Historical Structures & Trails – Stabilization & Restoration – On-Going Project continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$2,107,200)
Total Project Cost		Total Unfunded	

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$343,000
2014	\$343,000
2015	\$355,300
2016	\$355,300
2017	\$355,300
2018	\$355,300
Subtotal	\$2,107,200
Total Funding Plan	\$2,107,200

Additional Annual Operations and Maintenance

Additional Annual O&M: \$2,000 **Funding Source:** Colorado Lottery Fund
Additional Annual O&M Description:
Annual allocation from Colorado Lottery Fund



Project Name: OSMP East Trail Study Area (ETSA)

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	Open Space & Mountain	Subcommunity:	Area III
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	843080	Map Number:	133
CEAP Required:	No	CEAP Status:	As appropriate

Project Description

The ETSA contains approximately 10,900 acres and includes the eastern quadrant of the Boulder Valley and extends from SH 119 / Diagonal south to SH 36. In includes the Dry Creek, Whiterocks and tallgrass Prairie East sub-areas. Planning for this TSA will likely begin in 2015. The Plan will delineate a small number of new trails, designation and major maintenance for some undesignated trails and closure and reclamation of other undesignated trails, trail head improvements and upgraded and/or additional regulatory, way-finding and interpretive signs. The Plan will be implemented starting in 2016 with full implementation taking up to ten years. This project is for an ongoing funding program. In 2013, \$0 will be spent.

Relationship to Guiding Principles

This project supports City Council goals for Environmental, Economic and Social Sustainability. These lands add to the quality of life and visual appeal of our community that help to attract employment opportunities and sustain job retention in the Boulder Valley. Community supported management practices on the land ensure that OSMP continues to provide habitat preservation for wildlife, protect the quality of our waterways and address the community's desire for passive recreation.

The Visitor Master Plan calls for the assessment of the trails and trailhead in selected OSMP areas. Subsequent to its adoption, it has been determined that the whole system needs to be assessed since no part of it can be managed in isolation. The decision was made to divide the system in to four roughly equal sections (North, East, South and West) and to develop a trail management plan for each. The East area will, essentially, be the fourth of these sections that will have a plan.

Public Process Status, Issues

It has not been determined, at this time, how the ETSA Plan will be developed. In any case, there will be ample opportunity for the public to give input via email and public meetings.

Relationship with Other Departments

Where appropriate OSMP coordinates with City Parks and Recreation, County transportation and CDOT concerning access issues to this area.

Change from Past CIP



OSMP East Trail Study Area (ETSA) continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$350,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$50,000
2016	\$100,000
2017	\$100,000
2018	\$100,000
Subtotal	\$350,000
Total Funding Plan	\$350,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$2,000 **Funding Source:** Open Space Fund

Additional Annual O&M Description:
Monitor, maintain, rehabilitate trails when needed



Project Name: OSMP North Trail Study Area (NTSA)

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	Open Space & Mountain	Subcommunity:	Area III
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	843070	Map Number:	134
CEAP Required:	No	CEAP Status:	As appropriate

Project Description

The NTSA encompasses approximately 9,500 acres and includes the North Foothills area north of Lee Hill Road and the Boulder Valley Ranch area extending east to SH 119 / Diagonal. It is anticipated that the planning effort for the NTSA will begin in 2013 and likely take up to a year to complete. The Plan will delineate a small number of new trails, designation and major maintenance for some undesignated trails and closure and reclamation of other undesignated trails, trail head improvements and upgraded and/or additional regulatory, way-finding and interpretive signs. The Plan will be implemented starting in 2014 with full implementation taking up to ten years. This project is for an ongoing funding program. In 2013, \$50,000 will be spent on planning and natural resource inventory efforts for the NTSA.

Relationship to Guiding Principles

This project supports City Council goals for Environmental, Economic and Social Sustainability. These lands add to the quality of life and visual appeal of our community that help to attract employment opportunities and sustain job retention in the Boulder Valley. Community supported management practices on the land ensure that OSMP continues to provide habitat preservation for wildlife, protect the quality of our waterways and address the community's desire for passive recreation.

The Visitor Master Plan calls for the assessment of the trails and trailhead in selected OSMP areas. Subsequent to its adoption, it has been determined that the whole system needs to be assessed since no part of it can be managed in isolation. The decision was made to divide the system in to four roughly equal sections (North, East, South and West) and to develop a trail management plan for each. The North area will, essentially, be the third of these sections that will have a plan.

Public Process Status, Issues

It has not been determined, at this time, how the NTSA Plan will be developed. In any case, there will be ample opportunity for the public to give input via email and public meetings.

Relationship with Other Departments

Where appropriate OSMP coordinates with City Parks and Recreation, County transportation and CDOT concerning access issues to this area.

Change from Past CIP



OSMP North Trail Study Area (NTSA) continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$550,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$50,000
2014	\$100,000
2015	\$100,000
2016	\$100,000
2017	\$100,000
2018	\$100,000
Subtotal	\$550,000
Total Funding Plan	\$550,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$2,000 **Funding Source:** Open Space Fund

Additional Annual O&M Description:
Monitor, maintain, rehabilitate trails when needed



Project Name: OSMP South Trail Study Area (STSA)

Project at a Glance

Project Type: New Construction – Not Growth Related
Department: Open Space & Mountain **Subcommunity:** Area III
Funding Source: Open Space Fund **BVCPArea:** Area III
Project Number: 843050 **Map Number:** 135
CEAP Required: No **CEAP Status:** As appropriate

Project Description

The STSA contains approximately 9,800 acres and includes areas known as the Eldorado Mountain / Doudy Draw TSA west of SH 93 and the Marshall Mesa / Southern Grasslands TSA east of SH 93. Monitoring visitor activities and effects on natural resources will continue in this area. A trail connecting Community Ditch Trail and South 66th Street is planned to be built around Marshall Lake on the west and south sides. In addition, an old bridge across Community Ditch on the Greenbelt Plateau Trail is planned to be replaced and relocated along with a partial reroute of the trail. This project is for an ongoing funding program. In 2013, \$0 will be spent.

Relationship to Guiding Principles

This project supports City Council goals for Environmental, Economic and Social Sustainability. These lands add to the quality of life and visual appeal of our community that help to attract employment opportunities and sustain job retention in the Boulder Valley. Community supported management practices on the land ensure that OSMP continues to provide habitat preservation for wildlife, protect the quality of our waterways and address the community’s desire for passive recreation.

These efforts and projects are called out in the Visitor Master Plan and the subsequent Trail Study Area Plans (Marshall Mesa / Southern Grasslands and Eldorado Mountain / Doudy Draw).

Public Process Status, Issues

The Plans mentioned above had a large amount of public input during their development and adoption. In addition, each trail project will include additional opportunities for public input on that particular project.

Relationship with Other Departments

Where appropriate OSMP coordinates with County transportation and CDOT concerning access issues to this area.

Change from Past CIP

Estimated Total Cost Unfunded Amount

Project Cost	Unfunded Amount
Project Cost	Project Cost Total
	Funding Total (\$150,000)
Total Project Cost 	Total Unfunded

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$50,000
2018	\$100,000
Subtotal	\$150,000
Total Funding Plan	\$150,000



OSMP South Trail Study Area (STSA) continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$2,000 **Funding Source:** Open Space Fund

Additional Annual O&M Description:

Monitor, maintain, rehabilitate trails when needed



Project Name: OSMP West Trail Study Area (WTSA)

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	Open Space & Mountain	Subcommunity:	Area III
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	843060	Map Number:	136
CEAP Required:	No	CEAP Status:	As appropriate

Project Description

The WTSA encompasses approximately 11,300 acres and lies west of the city limits and extends from Eldorado Springs Drive north to Lee Hill Road. The Plan for this TSA has been adopted by City Council. The adopted plan lists over 100 projects including new trails, designation and major maintenance for some undesignated trails and closure and reclamation of other undesignated trails, trail head improvements and upgraded and/or additional regulatory, way-finding and interpretive signs and restoration. The implementation of the plan will be done over a 7 year period starting in 2012. This project is for an ongoing funding program. In 2013, \$450,000 will be spent on a number of over 100 projects identified in the plan. Projects include re-route Saddle Rock Trail; re-route Green Mountain West Ridge Trail; re-route northern portion of Tender Foot, reclaim undesignated trails in the area; close and restore logging road between Gregory and Saddle Rock; close and restore undesignated trail from 1st Flatiron to EM Greenman; build access to SBC from SBC Trail; rehabilitate Flagstaff Summit Trailhead; rehabilitate Gregory Canyon Trailhead; and designate and improve trail from Shadow Canyon to Dinosaur Viewpoint.

Relationship to Guiding Principles

This project supports City Council goals for Environmental, Economic and Social Sustainability. These lands add to the quality of life and visual appeal of our community that help to attract employment opportunities and sustain job retention in the Boulder Valley. Community supported management practices on the land ensure that OSMP continues to provide habitat preservation for wildlife, protect the quality of our waterways and address the community's desire for passive recreation.

These efforts and projects are called out in the Visitor Master Plan and the subsequent West Trail Study Area Plan.

Public Process Status, Issues

The WTSA Plan had a large amount of public input during its development by the Community Collaborative Group (CCG). In addition considerable public input was taken via email and public meetings that led to its adoption. In addition, each major trail project will include additional opportunities for public input on that particular project.

Relationship with Other Departments

Where appropriate OSMP coordinates with City Parks and Recreation, County transportation and CDOT concerning access issues to this area.

Change from Past CIP



OSMP West Trail Study Area (WTSA) continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$3,200,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$500,000
Six Year Funding Plan	
2013	\$450,000
2014	\$450,000
2015	\$450,000
2016	\$450,000
2017	\$450,000
2018	\$450,000
Subtotal	\$2,700,000
Total Funding Plan	\$3,200,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$2,000 **Funding Source:** Open Space Fund

Additional Annual O&M Description:
Monitor, maintain, rehabilitate trails when needed



Project Name: South Boulder Creek Instream Flow

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	Open Space & Mountain	Subcommunity:	Area III
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	843005	Map Number:	0
CEAP Required:	No	CEAP Status:	

Project Description

This project implements Intergovernmental Agreements (IGA) to establish and operate a mitigation plan to address aquatic resource impacts from an expansion of Gross Reservoir. Partners in the IGA include the City of Boulder, Denver Water and the City of Lafayette. The IGA creates a permanent 5,000 acre feet storage "environmental pool" to implement a year-round instream flow program for South Boulder Creek. Other project components include the design and construction of diversion dam bypass structures to bring water down the creek and several stream gauges to administer instream flow waters. Denver Water is contributing approximately \$4 million and Lafayette is contributing approximately \$2.4 million toward the environmental pool. The project completion date is based on Denver Water's projection that it will begin construction of the expanded reservoir in 2016. This project is for an ongoing funding program. This project is ongoing through 2016 at which point Gross reservoir is to be expanded and the City of Boulder's portion will be \$2,000,000. Total CIP project cost for this project is \$2,400,000.

Relationship to Guiding Principles

The concept for this project was outlined in the South Boulder Creek Area Master Plan, the Glassland Ecosystem Plan and the Source Water Master Plan.

Public Process Status, Issues

This item was heard by Boulder City Council and included public participation on January 5, 2010. Boulder City Council had a second public hearing for this project on February 16, 2010 where it approved the IGA's initiating this project.

Relationship with Other Departments

Open Space and Mountain Parks is working closely with Public Works on this. Public Works plans to line Wittemeier Ponds as its contribution to the project. Public Works will also use Colorado Big Thompson (CBT) units it has to help fill the environmental pool. Other partners for this project include Denver Water and the city of Lafayette.

Change from Past CIP



South Boulder Creek Instream Flow continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$2,400,000	Project Cost Total	\$2,400,000
		Funding Total	(\$2,400,000)
Total Project Cost	\$2,400,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$50,000
Six Year Funding Plan	
2013	\$100,000
2014	\$100,000
2015	\$150,000
2016	\$2,000,000
2017	\$0
2018	\$0
Subtotal	\$2,350,000
Total Funding Plan	\$2,400,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:
Additional Annual O&M Description:



Project Name: Visitor Infrastructure – System Wide – On-Going Project

Project at a Glance

Project Type:	On-Going Projects		
Department:	Open Space & Mountain	Subcommunity:	System-wide
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	843000	Map Number:	0
CEAP Required:	Yes	CEAP Status:	As appropriate

Project Description

This program provides funding on a system-wide basis for capital maintenance and new construction on existing trails and trail heads, new trails and trail heads, other facilities that improve the visitor experience (e.g. safe road crossings), and capital restoration of areas where visitor impacts are high. This project is for an ongoing funding program. In 2013, \$400,000 will be spent on planning and capital improvements on a system-wide basis.

Relationship to Guiding Principles

This project supports City Council goals for Environmental, Economic and Social Sustainability. These lands add to the quality of life and visual appeal of our community that help to attract employment opportunities and sustain job retention in the Boulder Valley. Community supported management practices on the land ensure that OSMP continues to provide habitat preservation for wildlife, protect the quality of our waterways and address the community's desire for passive recreation.

The 2005 Visitor Master Plan provides a 10-year template for system-wide projects and programs which are studied and planned through the Trail Study Area (TSA) process. The Visitor Infrastructure CIP provides the funding base for on-going major capital maintenance and large scale projects including connections between and outside of the TSAs.

Public Process Status, Issues

Projects are approved by the OSBT through the public process. Projects whose scope requires a CEAP are also approved by City Council under the CEAP call-up provision. In addition, the public has input via email and public meetings in the trail study area planning process.

Relationship with Other Departments

Where appropriate OSMP coordinates with City Parks and Recreation, County transportation and CDOT concerning access issues to this area.

Change from Past CIP



Visitor Infrastructure – System Wide – On-Going Project continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$1,700,000)
Total Project Cost		Total Unfunded	

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$400,000
2014	\$350,000
2015	\$300,000
2016	\$250,000
2017	\$200,000
2018	\$200,000
Subtotal	\$1,700,000
Total Funding Plan	\$1,700,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$2,000 **Funding Source:** Open Space Fund

Additional Annual O&M Description:

Monitor, maintain, rehabilitate trails when needed



Project Name: Water Rights Acquisition – On-Going Project

Project at a Glance

Project Type:	Land Acquisition		
Department:	Open Space & Mountain	Subcommunity:	System-wide
Funding Source:	Open Space Fund	BVCPArea:	Area III
Project Number:	930000	Map Number:	0
CEAP Required:	No	CEAP Status:	N/A

Project Description

This on-going project provides funding to purchase additional water rights from private owners or others for use on Open Space for agricultural and environmental purposes. Program funding includes water acquisitions in the Coal Creek, South Boulder, Boulder and Lefthand Creek watersheds. Funding will also be used for professional fees, legal and engineering fees, analysis and mapping necessary to manage and protect the water rights portfolio. Because of continuing wildlife and habitat concerns, the Open Space and Mountain Parks Resource Conservation staff will continue to work with other City departments to assist in enhancing in-stream flow where possible. Senior water rights can exceed \$100,000 per share. Additionally, the department has annual expenditures for the attorney fees and engineering fees that are required, as noted in this project's description, to defend the department's water rights portfolio. This project is for an ongoing funding program. In 2012, \$200,000 will be allocated to acquisition of water rights. The Water Rights Acquisition program provides funding to purchase additional water shares for use on Open Space for agricultural and environmental purposes, as water becomes available in the Coal Creek, South Boulder, Boulder and Lefthand Creek water sheds. Acquisitions in North Boulder Farmers Ditch were completed and active negotiations are occurring for Howard Ditch water shares. The definition of a CIP project includes "the purchase of the physical assets of the community". By purchasing the water rights, the city is purchasing a physical asset.

Relationship to Guiding Principles

Funding for these water rights acquisitions supports the Open Space Acquisitions and Management Plan as approved by the OSBT and City Council in 1999 and in 2000, 2005, 2008 and 2009.

Public Process Status, Issues

Annual funding is approved by both the Open Space Board of Trustees and City Council.

Relationship with Other Departments

The Open Space & Mountain Parks department works cooperatively with other City Departments, primarily Parks and Recreation, Utilities and Transportation. The department also works with and promotes inter-governmental cooperation with national, state and local conservation and Open Space programs, such as Boulder County Open Space, Jefferson County Open Space, Louisville, Lafayette and Longmont, Colorado Open Space Alliance (COSA), GOCO, Colorado Department of Natural Resources, CDOW and others.

Change from Past CIP



Water Rights Acquisition – On-Going Project continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$1,200,000)
Total Project Cost		Total Unfunded	

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$200,000
2014	\$200,000
2015	\$200,000
2016	\$200,000
2017	\$200,000
2018	\$200,000
Subtotal	\$1,200,000
Total Funding Plan	\$1,200,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Open Space Fund

Additional Annual O&M Description:

Included in annual appropriations for operations

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Funding Overview

.25 Cent Sales Tax Fund

The revenues from this fund source were pledged for, "...development, operations, and maintenance of the land and improvements purchased or constructed with the proceeds of the bonds; renovation and refurbishment or replacement of four pools; renovation and replacement of recreation facilities; playgrounds, mountain park trails, civic park complex; improvements to recreation centers and development of new recreation projects to be determined in the future...; maintenance of the community park in north Boulder; development of a mountain parks environmental education program; and for the renovation of city-owned historical and cultural facilities; with the remainder being dedicated for parks and recreation purposes..." (.25 Cent Sales Tax ballot language). This revenue source will expire in 2015 and will require replacement to continue to maintain and develop park and recreation facilities.

Permanent Parks and Recreation Fund

The Permanent Parks and Recreation Fund consists of a .9 mill levy of assessed valuation of all taxable property in the city, gifts and donations to the fund, and proceeds from the sale of park or recreation property or equipment. The fund also includes revenues from a portion of a development excise tax assessed on each new residential unit constructed or annexed to the city except for those units that are designated as permanently affordable. The City Charter requires that the "...Fund shall not be used for any purpose other than the acquisition of park land or the permanent improvement of park and recreation facilities." (Charter Sec 161)

Lottery Fund

The Lottery Fund is based on proceeds from the Conservation Trust Fund that is distributed by the State of Colorado on a per capita basis to entities. Funding can be used for the acquisition, development and maintenance of new conservation sites, capital improvements for recreational purpose.

Boulder Junction Improvement Fund

The Boulder Junction Improvement Fund was created in 2011 for the Boulder Junction Key Public Improvements. Funding is provided from development related revenues generated in the Boulder Junction Area that will be reinvested into key public improvements in this area.



Accomplishments and Highlights

Projects Completed in 2012

- *Park Shelter Replacements / Improvements:* specific projects have been identified and funded through the 2011 Capital Improvement Bond for upgrades, renovations or replacement of reservation pavilions, park shelters and shade structures. In 2012 shelters were installed at Valmont City Park and Foothills Dog Park.
- *Columbia Cemetery Upgrades / Enhancements:* specific projects have been identified and funded through the 2011 Capital Improvement Bond for upgrades and enhancements to the cemetery including headstone replacement, fence installation, irrigation upgrades and repairs to the irrigation ditch. 2012 improvements include fence installation and preliminary design of the irrigation enhancements.
- *Existing Park and Recreation Facility Renovations:* Through the 2011 Capital Improvement Bond funding, several parks will be renovated over the next 3 years. Improvements will include new play equipment, irrigation renovation, turf renovation, ADA accessibility improvements, play court resurfacing, and signage and landscape restoration. In 2012 several parks were renovated with Bond funding including East Palo Park, Columbine Park and Canyon Park.
- *Boulder Reservoir Infrastructure Improvements:* Improvements to the Boulder Reservoir were included in the 2011 Capital Bond Funding to address major infrastructure needs. In 2012, the Gateway Enhancement project was initiated to renovate and remodel the main entrance of the Reservoir on 51st Street. The enhancements include additional vehicle capacity, Aquatic Nuisance Species inspection area, new entry buildings, enhanced landscaping and site security measures.
- *Urban Parks Computerized Irrigation System Replacement and Playground and Irrigation System Replacement:* These renovation projects continue to address water conservation and efficiencies for park facilities throughout the city. Parks that were completed in 2012 include Scott Carpenter Park and Canyon Pointe Park.
- *Valmont City Park (Phase 1A):* The completion of Phase 1 includes the dog park renovations, interim disc golf course, remaining bridge structures, park shelters, and landscape and irrigation improvements for this major community park upgrade effort.
- *East Boulder Community Center Locker Room and ADA Upgrades:* Completed renovations and remodeling to the family locker rooms that provide larger, universally accessible and family-oriented locker room spaces.
- *ADA Compliance Improvements:* New federal regulations require that local municipalities complete a full ADA audit of all park and recreation facilities and that a portion of facilities



ADA Improvements at the Stazio Ballfields



comply with ADA requirements by 2015. The Department has finalized the transition plan and initiated compliance improvements at several parks and recreation facilities such as Scott Carpenter Park, Columbine Park, Canyon Park and East Boulder Community Center.

- *Mesa Memorial Pocket Park*: Planning staff have continued the planning and design process of the park by engaging the neighborhood in design development and completing the site plan for the park. Additionally, multiple agencies have partnered on the project including the PLAY Boulder Foundation, CU College of Environmental Design and Growing Up Boulder to assist in the planning, fund raising and public engagement of this unique park. Construction is anticipated to be completed in 2013.
- *Boulder Reservoir Site/Management Plan*: This project continues to address programmatic, business and operational needs, as well as identify capital improvement programming, and monitoring efforts for long-term reinvestments designed to enhance water quality, protect natural resources and optimize recreational opportunities. Currently, the project is in the data collection and public engagement phase to review the current conditions with the community and begin identifying indicators and monitoring practices that will inform future management actions.
- *P&R Master Plan Update*: Throughout 2012 the departmental master plan update is continuing with a departmental assessment and background information gathering. An initial community survey was conducted to gather input relating to the mission, vision and goals of the department to assist in the next phase of the project that will engage the community in the analysis phase.
- *Scott Carpenter Skate park Fence*: Completed improvements to the skate park by addressing safety issues and ongoing maintenance liabilities associated with the perimeter fencing.
- *Flatirons Golf Course Playability Improvements*: Completed the course bunker renovation/playability project at Flatirons Golf Course by installing 19 new sand bunkers and 42 new tee boxes.



New fence at the Scott Carpenter Skate Park

Projects Expected for Completion in 2013

- *Park Shelter Replacements / Improvements*: North Boulder Park and Crestview Park will be renovated with turf and irrigation upgrades, ADA compliance and replacement of park amenities as part of the ongoing Capital Improvement Bond funding. Public involvement in the design phase will begin in 2012 with construction complete in 2013.
- *Park Shelter Replacements / Improvements*: New shade structures will be installed at Beach Park and Wonderland Park as well as a new shelter at Pleasant View Sports Complex.
- *Elks Neighborhood Park*: The permitting and bidding of the project will be completed in late 2012 with construction beginning in spring of 2013. Full build-out of the park will be complete by late 2013.



- *Pool Replastering:* This project will allow replastering of specific pools based on an annual prioritization schedule by staff. Additionally, new replastering products are available that provide long-term maintenance and operational efficiencies.
- *Urban Parks Computerized Irrigation System Replacement:* These renovation projects continue to address water conservation and efficiencies for park facilities throughout the city.

Projects Starting in 2013, but Not Completed

- *Pearl Street Mall Irrigation System Replacement:* The existing irrigation system for the mall is in need of complete replacement to utilize new technology to conserve water and provide maintenance efficiencies. The project will be phased over three years in order to minimize the disturbance to the community and visitors to the mall.
- *Flatirons Golf Course Irrigation System Replacement:* Replacement of irrigation systems in fairways and rough to improve water efficiencies, cost effectiveness and turf management quality. The project will begin in 2013 and last through 2015.

Relationship to Guiding Principles and Prioritization

Guiding Principles

The following Guiding Principles are applied when identifying and evaluating priority capital improvement projects. The proposed projects identified in the 2013–2018 CIP are consistent with the Guiding Principles and the current Parks and Recreation Master Plan.

- **Safety / Compliance (S):** Projects represent important deficiencies or safety and compliance concerns. Project may focus on annual infrastructure repair and replacement and/or refurbishment of park play equipment and amenities, irrigation systems, landscape and turf upgrades and facility improvements.
- **Commitment (C):** Projects that are required by law or a ballot initiative, or are in-process of development as part of a prior development agreement and/or are required to be completed within a specific period of time.
- **Efficiencies (E):** The department will consistently seek efficiency improvements in both operational and capital investments. Projects will represent important operational and/or maintenance efficiencies resulting in improved life cycles, cost efficiencies and savings in resources, energy or water usage (e.g., Flatirons Golf Course Irrigation System Replacement, Computerized Irrigation System).
- **Revenue (R):** The department will invest in facilities and programs that generate revenues to support valued recreational opportunities in the Boulder community. Projects will enhance the department's ability to earn revenue beyond initial investment and operational costs and may include possible collaboration/ partnership opportunities leveraging outside funding sources.



Prioritization

A principle objective of the 2006 Parks and Recreation Master Plan focuses on maintaining existing parks and recreation facilities. As a result, the department has prioritized CIP projects based on meeting essential safety and compliance considerations, as well as maintaining existing facilities through ongoing annual repair and refurbishment programs and life-cycle replacement programs of park playground equipment and irrigation infrastructure systems. In most cases, projects identified in the 2013–2018 CIP are indented to improve ongoing maintenance needs. Projects such as Urban Parks Computerized Irrigation System Replacement and Playground and Irrigation System Replacements strive to improve long-term operational needs and protect existing assets while reducing annual maintenance costs.

A second important objective is to improve efficiencies in operational and capital investments resulting in extending life cycles of equipment and facilities when ever possible. The proposed CIP projects contribute to improving citywide energy efficiency and water conservation efforts addressing existing parks and recreational facilities. Projects are also consistent with the communities overall greenhouse gas and carbon footprint reduction objectives. Projects such as the Boulder Reservoir Site/Management Plan and the P&R Master Plan Update address department wide efficiencies aimed at improving operational practices and seeking alternative funding opportunities needed to support the department's mission.

In addition, due to new federal ADA regulations, the department is required to respond to specific mandates and timelines to audit all parks and recreational facilities and to improve identified facilities to meet new federal ADA regulations, The ADA Compliance Improvements project will address the new federal mandates and ensure the department remains in compliance with access issues for parks and recreational facilities.

New Projects

- *South Valmont City Park Planning:* The current Phase 1 development of Valmont City Park is nearing completion and has been overwhelmingly successful. In order to address increased recreation demand from the community, the Department desires to initiate a planning process for Phase 2 of the city park south of Valmont Road. The phase 2 developments will include addition of athletic fields, a universally accessible playground, disc golf course, continuation of multi-use paths and other park amenities. The projected cost for the Phase 2 planning process is estimated at \$150,000 for the retention of a consultant team and extensive community engagement. The Phase 2 planning and design process will build upon the overall Valmont City Park Concept Plan from 2008.
- *Pool Replastering:* The Parks and Recreation Department manages and operates 11 pools within the city including indoor and outdoor leisure pools, lap pools and hot tubs. As part of ongoing maintenance and repairs to recreation facilities, the Department must prioritize and schedule the replastering of the pools in order to continue to provide safe, clean and accessible facilities for public use. The pools must be replastered every five years and the



Department must schedule funds to achieve lifecycles of the plastering. This project will allow replastering of specific pools based on an annual prioritization schedule by staff. Additionally, new replastering products are available that provide long-term maintenance and operational efficiencies. Pools are an integral component in generating revenues for the city and allowing the Department to provide recreation programs and instruction to the community.

Deferred, Eliminated, or Changed Projects

As a result of limited capital funding for the proposed 2013–2018 CIP, in 2013–2015, funding for the Playground and Park Irrigation System Replacement will support other critical systems needs such as the Pearl Street Mall Irrigation System Replacement and the Urban Parks Computerized Irrigation System Replacement, efforts that require critical timelines for completion.

Unfunded Projects and Emerging Needs

Current trends at the national and local level continue to affect facilities, programs and services for parks and recreation in Boulder. Additional funding will need to be secured to improve service standards for maintenance operations and to fund deferred maintenance and anticipated development of new facilities. The department's Master Plan Update will include a list of priority items to complete based on funding levels. Staff continues to evaluate deferred maintenance needs, including park sites and recreation facility needs and will be implementing an Asset Management Plan (AMP) to assist in capital and day-to-day operations. The current maintenance and facility improvements backlog, including major repairs and replacements is significant. The department anticipates that this backlog will continue until funding levels reach appropriate amounts to accommodate life-cycle projections for the department's assets.

To mitigate the impacts of limited funding, staff is:

- Working collaboratively together with Facilities and Asset Management (FAM) workgroup to prioritize funding for deferred, major and ongoing facility maintenance
- Deferring some enhancement improvements and new development projects
- Reevaluating work plans and investing in projects that mitigate ongoing maintenance and operational expenses
- Redirecting funding or accelerating projects to achieve energy efficiencies at recreation facilities.

The department has a total estimate of \$55M of unfunded significant deficiency and high priority projects included in the current capital investment strategy program. Key projects include:

- System-wide compliance with federal standards for the Americans with Disabilities Act
- Increased capacity and additional facilities for youth and adult sports
- Expansion of recreation centers that accommodate increased demand for weight rooms and fitness areas



- Boulder Reservoir infrastructure upgrades to increase operational efficiencies and improve public amenities
- Park infrastructure upgrades for the Municipal Complex and Pearl Street Mall
- Major parking lot renovations at key sports facilities
- Stazio Ballfield phase 2 development
- New park development to achieve appropriate levels of service for neighborhood parks such as Violet Park and Heatherwood Park
- Park infrastructure associated with Valmont City Park Phase 2 development.
The redevelopment of the Flatirons Event Center.

Table 10-1: 2013-2018 Funding Summary By Department

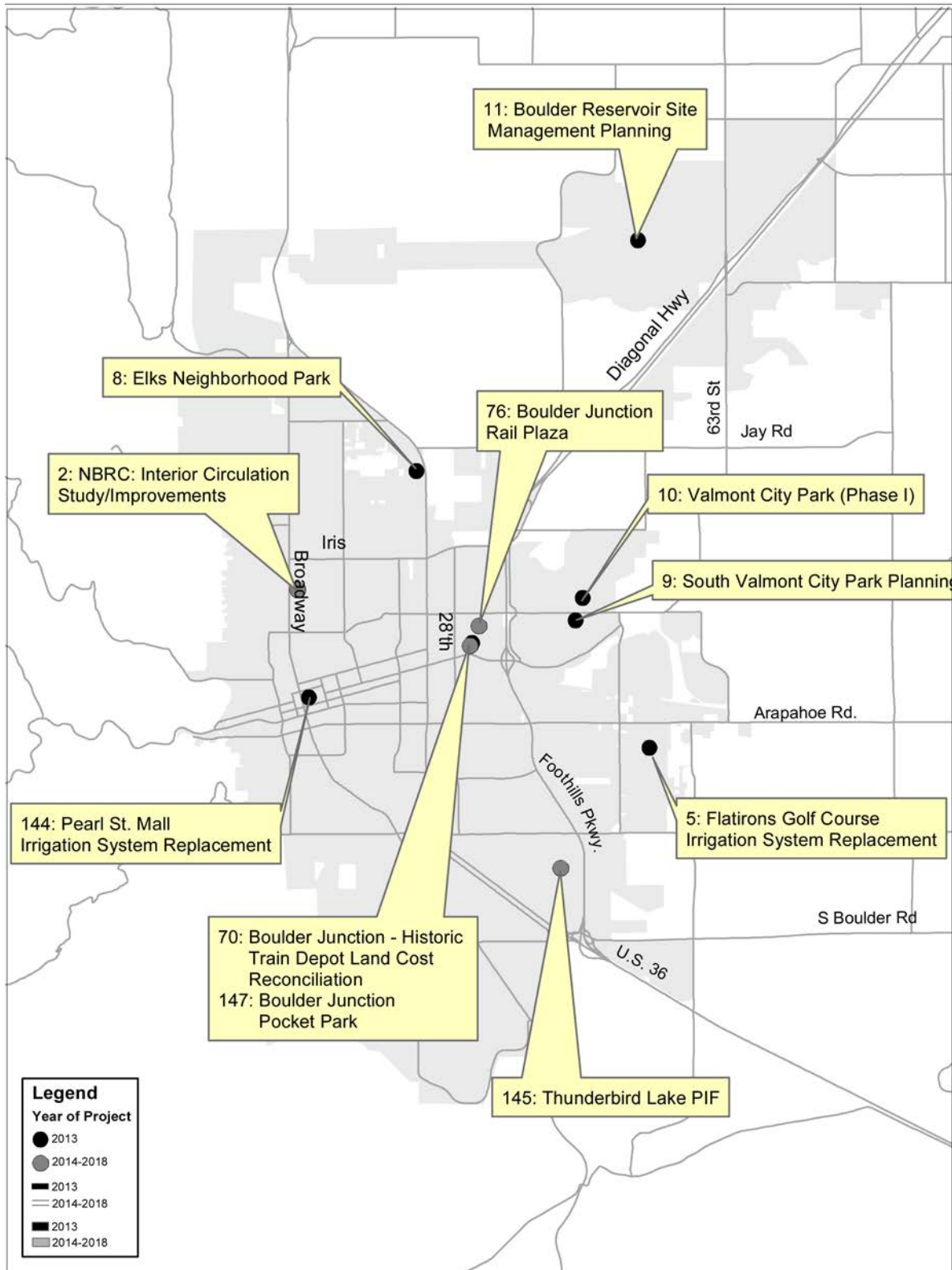
PARKS AND RECREATION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Flatirons Golf Course Irrigation System Replacement	\$ 1,795,263	\$ 500,000	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000	\$ 95,263	\$ -
Pearl Street Mall Irrigation System Replacement	1,500,000	250,000	300,000	350,000	-	-	-	900,000	-	600,000
Pearl Street Mall Irrigation System Replacement (Lottery)	600,000	200,000	200,000	200,000	-	-	-	600,000	-	-
Urban Parks Computerized Irrigation System Replacement	620,000	165,000	-	-	-	-	-	165,000	455,000	-
ADA Compliance Improvements	-	-	-	100,000	100,000	-	-	200,000	-	-
Artificial Turf Field Installation	1,500,000	-	-	-	500,000	500,000	500,000	1,500,000	-	-
Lighting Ordinance Implementation	500,000	-	-	-	250,000	250,000	-	500,000	-	-
Playground and Park Irrigation System Renovation	-	-	-	-	300,000	300,000	300,000	900,000	-	-
Subtotal	\$ 6,515,263	\$ 1,115,000	\$ 1,700,000	\$ 650,000	\$ 1,150,000	\$ 1,050,000	\$ 800,000	\$ 6,465,000	\$ 550,263	\$ 600,000
Existing Facility - Rehab / Repair / Deficiency Correction										
Pool Replastering	\$ 130,000	\$ 55,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -
Pool Replastering (.25 sales tax)	100,000	-	100,000	-	-	-	-	100,000	-	-
NBRC: Interior Circulation Study/Improvements	280,000	-	-	280,000	-	-	-	280,000	-	-
Thunderbird Lake Plant Investment Fee	250,000	-	-	250,000	-	-	-	250,000	-	-
Playground and Park Irrigation System Renovation - Lottery	-	-	-	-	230,300	230,000	-	460,300	-	-
Subtotal	\$ 760,000	\$ 55,000	\$ 100,000	\$ 605,000	\$ 230,300	\$ 230,000	\$ -	\$ 1,220,300	\$ -	\$ -
New Construction - Growth Related Facility / Additions										
Boulder Junction Pocket Park	\$ 1,644,688	\$ 194,688	\$ -	\$ -	\$ 750,000	\$ 350,000	\$ 350,000	\$ 1,644,688	\$ -	\$ -
Elks Neighborhood Park	1,600,000	600,000	-	-	-	-	-	600,000	1,000,000	-
Valmont City Park (Phase I)	1,155,285	650,000	250,000	-	-	-	-	900,000	755,285	-
Boulder Junction - Historic Train Depot Land Cost Reconciliation	787,000	-	787,000	-	-	-	-	787,000	-	-
Boulder Junction Rail Plaza	374,000	-	-	-	-	-	374,000	374,000	-	-
Subtotal	\$ 5,560,973	\$ 1,444,688	\$ 1,037,000	\$ -	\$ 750,000	\$ 350,000	\$ 724,000	\$ 4,305,688	\$ 1,755,285	\$ -
On-Going Projects										
Tributary Greenways Program - Lottery	\$ -	\$ 150,000	\$ 150,000	\$ 125,400	\$ 125,400	\$ 125,400	\$ 125,400	\$ 801,600	\$ -	\$ -
Subtotal	\$ -	\$ 150,000	\$ 150,000	\$ 125,400	\$ 125,400	\$ 125,400	\$ 125,400	\$ 801,600	\$ -	\$ -
Study or Analysis										
Boulder Reservoir Site Management Planning	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ -
South Valmont City Park Planning	150,000	150,000	-	-	-	-	-	150,000	-	-
Aquatic Facility Plan	100,000	-	100,000	-	-	-	-	100,000	-	-
Subtotal	\$ 310,000	\$ 210,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 310,000	\$ -	\$ -
Total	\$ 13,146,236	\$ 2,974,688	\$ 3,087,000	\$ 1,380,400	\$ 2,255,700	\$ 1,755,400	\$ 1,649,400	\$ 13,102,588	\$ 2,305,548	\$ 600,000



Capital Improvement Program 2013 — 2018

Parks & Recreation





Project Name: ADA Compliance Improvements

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** Multiple Subcommunities
Funding Source: Permanent Parks & Recre **BVCPArea:** Area I
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

In keeping with new national ADA regulations, the Parks and Recreation Department was required to complete an audit of all park and recreational facilities by March 2012. The initial audit began in 2011 to assess up to 10 recreational facilities and 20 park sites and has been ongoing through 2012. The continuation of the initial consultant-led ADA audit will follow after staff training is completed and the final comprehensive audit should be completed by summer 2012. Upon completion of the audit, the department will have a comprehensive list, priorities and costs for the system-wide ADA improvements. Funding has then been set aside to complete required ADA improvements in order to meet new federal mandated deadlines with full compliance by 2015.

ADA Compliance Improvements

This project is for an ongoing funding program. In 2012, \$100,000 will be spent on initial ADA compliance measures. An additional \$200,000 is allocated for FY 2015 and 2016 to complete the required improvements identified in the audit report. In order to meet the federally mandated requirement of 33% compliance in parks and recreation facilities by 2015, the department has also programmed recently approved capital bond funding to address ADA compliance over the next three years on specific bond funded projects.

Relationship to Guiding Principles

Federal ADA requirements mandate that a minimum of 33% of parks and recreational facilities in our system be compliant by 2015.

The 2006 Parks and Recreation Master Plan also calls for ADA accessible park and recreation facilities.

Public Process Status, Issues

A transition plan is being developed that outlines when parks and facilities will be upgraded and the corresponding funding source. This effort will include a public involvement process to solicit input on the proposed parks and facilities to be improved.

Relationship with Other Departments

The Parks and Recreation Department will continue to coordinate with FAM and Public Works.

Change from Past CIP



ADA Compliance Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost	<input type="text"/>	Total Unfunded	<input type="text"/>

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$100,000
2016	\$100,000
2017	\$0
2018	\$0
Subtotal	\$200,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
 Additional Annual O&M Description:



Project Name: Aquatic Facility Plan

Project at a Glance

Project Type: Study or Analysis
Department: Parks & Recreation **Subcommunity:** System-wide
Funding Source: Parks & Recreation .25 C **BVCPArea:** System-wide
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

This project will assess the need for aquatic facilities in the City of Boulder. Currently the Parks and Recreation Department has multiple indoor and outdoor pools. The Scott Carpenter and Spruce Pools are nearing a life-cycle age that will require an assessment to determine an appropriate course of action. The department will initiate a planning process to evaluate the need for aquatic facilities, determine the appropriate location and identify opportunities for leveraging outside funding sources, if a new aquatic facility is needed. Additionally, this study will explore community partnerships with private organizations, Boulder Valley School District and other stakeholders to adequately assess the opportunities and constraints related to aquatic facilities and use in the community.

Relationship to Guiding Principles

The 2006 Parks and Recreation Master plan included a goal of investing in revenue-producing facilities. The 2010 Recreation Program and Facilities Plan includes recommendations on creating a business plan for the aquatics area and maximizing facility use.

Public Process Status, Issues

The planning process will include an extensive public process, which will be identified in the scope of the plan.

Relationship with Other Departments

The Parks and Recreation Department will coordinate with other departments as appropriate.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost	\$100,000
Total Project Cost	\$100,000

Unfunded Amount

Unfunded Amount

Project Cost Total	\$100,000
Funding Total	(\$100,000)
Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$100,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$100,000
Total Funding Plan	\$100,000

Additional Annual Operations and Maintenance

Additional Annual O&M: **Funding Source:**
Additional Annual O&M Description:



Project Name: Artificial Turf Field Installation

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** System-wide
Funding Source: Permanent Parks & Recre **BVCPArea:** Area I
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

The Park and Recreation Department intends to assess the feasibility and costs for improving existing turf fields and to replacing existing turf fields with new synthetic turf fields in select park sites. The conversion of fields to artificial turf will extend the season of use of the fields and allow more programmed uses resulting in improved revenues from field rentals and tournament play. Funding is set aside to conduct the needed feasibility studies and to design and construct priority field improvements.

Artificial Turf Field Installation

This project will begin in 2016 (design).

Costs:

1. Planning and Design: \$200,000 (estimated)
 2. Acquisition: N/A
 3. Construction: \$1.3M
- This project does not include outside funding from other sources.
Phase I is anticipated to completed beyond 2017.

Relationship to Guiding Principles

The 2006 Parks and Recreation Master Plan included recommendations to evaluate the economic feasibility of synthetic turf on playing fields and to replace natural turf with synthetic turf at two or three locations.

Public Process Status, Issues

The planning process will include input from park neighbors, user groups and the Parks and Recreation Advisory Board.

Relationship with Other Departments

Parks and Recreation will coordinate with Planning, Utilities, Transportation and other departments as necessary.

Change from Past CIP



Artificial Turf Field Installation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,500,000	Project Cost Total	\$1,500,000
		Funding Total	(\$1,500,000)
Total Project Cost	\$1,500,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$500,000
2017	\$500,000
2018	\$500,000
Subtotal	\$1,500,000
Total Funding Plan	\$1,500,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
 Additional Annual O&M Description:



Project Name: Boulder Junction – Historic Train Depot Land Cost Reconciliation

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: Parks & Recreation **Subcommunity:** Crossroads
Funding Source: Boulder Junction Improve **BVCPArea:** Area I
Project Number: **Map Number:** 70
CEAP Required: No **CEAP Status:**

Project Description

This project was included in the list of Key Public Improvements as part of the Transit Village Area Plan (TVAP) – Implementation Plan. This project includes the reimbursement to City Housing for related portions of land acquisition costs for “non-housing” land uses associated with the Depot. Internal fund transfers to Housing would be anticipated to accomplish this from the appropriate revenue source.

This project will begin in 2014. (anticipated fund transfer)

Costs: \$ 787K

1. Planning: \$ 0K

2. Acquisition: \$ 787K (reimburse Housing)

3. Construction: \$ 0K (no site or building improvements currently included)

The project is anticipated to complete construction in N/A

Relationship to Guiding Principles

This project conforms to the TVAP Plan and Implementation Plan, and accomplishes the anticipated reimbursement to Housing for related portions of land acquisition costs associated with the Historic Train Depot property.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3-year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council.

Relationship with Other Departments

The TVAP was a coordinated multi-department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit-Oriented Development and future Northwest Rail facilities.

Change from Past CIP



Boulder Junction – Historic Train Depot Land Cost Reconciliation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$787,000	Project Cost Total	\$787,000
		Funding Total	(\$787,000)
Total Project Cost	\$787,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$787,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$787,000
Total Funding Plan	\$787,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: TBD

Additional Annual O&M Description:

Future management and operation of Depot building/site is uncertain at this time.



Project Name: Boulder Junction Pocket Park

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: Parks & Recreation **Subcommunity:** Central Boulder
Funding Source: Boulder Junction Improve **BVCPArea:**
Project Number: **Map Number:** 147
CEAP Required: No **CEAP Status:**

Project Description

The Parks and Recreation Department has identified funding to address the future pocket park land acquisition and development associated with the Boulder Junction redevelopment project. This project is a long range infill redevelopment that will include civic public spaces and/or pocket parks that will require Parks and Recreation input, technical expertise and perhaps funding contributions. The proposed pocket improvement will include land acquisition for a 3/4-acre civic park, construction of Goose Creek multi-use path connection, grading and drainage improvements, hardscape pavers, retaining walls, landscape, irrigation and civic park amenities to support the park space.

This project began in 2011.

Costs:

1. Planning and Design: N/A
2. Acquisition: \$750,000
3. Construction: \$894,688

The project is anticipated to complete construction in 2018.

Relationship to Guiding Principles

The Parks and Recreation Master Plan includes general mandates and policies to address park development opportunities intended to develop existing and newly acquired undeveloped park sites to meet underserved neighborhoods and park service standards. The Boulder Junction redevelopment project is a long range infill redevelopment initiative that will include civic public spaces and/or pocket parks that will require Parks and Recreation input and technical expertise.

Public Process Status, Issues

The planning process will include an appropriate public process, which will be identified in the scope of the plan.

Relationship with Other Departments

The Parks and Recreation Department will coordinate with Public Works–Utilities/Transportation, Housing and Planning, and other departments, landowners and agencies as appropriate.

Change from Past CIP



Boulder Junction Pocket Park continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,644,688	Project Cost Total	\$1,644,688
		Funding Total	(\$1,644,688)
Total Project Cost	\$1,644,688	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$194,688
2014	\$0
2015	
2016	\$750,000
2017	\$350,000
2018	\$350,000
Subtotal	\$1,644,688
Total Funding Plan	\$1,644,688

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
 Additional Annual O&M Description:



Project Name: Boulder Junction Rail Plaza

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: Parks & Recreation **Subcommunity:** Crossroads
Funding Source: Boulder Junction Improve **BVCPArea:** Area I
Project Number: **Map Number:** 76
CEAP Required: No **CEAP Status:**

Project Description

This project was included in the list of Key Public Improvements as part of the Transit Village Area Plan (TVAP) – Implementation Plan. This project includes the reimbursement to City Housing for related portions of land acquisition costs for “non-housing” land uses associated with the Depot. Internal fund transfers to Housing would be anticipated to accomplish this from the appropriate revenue source.

This project will begin in 2018. (anticipated fund transfer)

Costs: \$ 374K

1. Planning: \$ 0K

2. Acquisition: \$ 374K (reimburse Housing)

3. Construction: \$ 0K (no site or building improvements currently included)

The project is anticipated to complete construction in N/A

Relationship to Guiding Principles

This project conforms to the TVAP Plan and Implementation Plan, and accomplishes the anticipated reimbursement to Housing for related portions of land acquisition costs associated with the Historic Train Depot property.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3-year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council.

Relationship with Other Departments

The TVAP was a coordinated multi-department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit-Oriented Development and future Northwest Rail facilities.

Change from Past CIP



Boulder Junction Rail Plaza continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$374,000	Project Cost Total	\$374,000
		Funding Total	(\$374,000)
Total Project Cost	\$374,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$374,000
Subtotal	\$374,000
Total Funding Plan	\$374,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
Additional Annual O&M Description:



Project Name: Boulder Reservoir Site Management Planning

Project at a Glance

Project Type:	Study or Analysis		
Department:	Parks & Recreation	Subcommunity:	Gunbarrel
Funding Source:	Permanent Parks & Recre	BVCPArea:	Area I
Project Number:		Map Number:	11
CEAP Required:	No	CEAP Status:	

Project Description

With the recent adoption of the Boulder Reservoir Master Plan, the Parks and Recreation Department must continue the momentum of the extensive planning process by initiating the key policy recommendation of completing a site management plan for the Reservoir that will ultimately balance the recreational use of the reservoir with the natural resource management needs. The Boulder Reservoir is a unique regional destination that accommodates multiple recreational uses while also maintaining water quality and ecological protection. Due to the rising demand for multiple recreational uses, special events and resource management, the department must engage the community in a planning process that will explore and recommend a careful balance of multiple factors in accordance with existing budgetary conditions and the need for revenue generation.

Currently, the department has applied for a Great Outdoors Colorado planning grant to leverage our current funding to achieve an overall estimated project cost of \$180,000. If the department is unsuccessful in obtaining the grant funding, the scope will be reduced to only focus on the resource management portion without the full site planning process.

Relationship to Guiding Principles

The Parks and Recreation 2006 Master Plan includes several goals and strategies that directly relate the Boulder Reservoir and the Site Management Planning process including maintaining and protecting our parks and recreation facilities, becoming economically sustainable, engaging a broader range of the community, becoming a communitywide leader in environmental sustainability and enhancing our quality of life.

Public Process Status, Issues

An extensive public process will continue from the recent master plan process that will engage all members of the community as well as specific user groups to determine desired future conditions, key management indicators, monitoring techniques and levels of acceptable change. This public engagement process will allow the community to assist the department in developing an adaptive management process that will achieve the balance of multiple recreational uses with the unique ecology of the Boulder Reservoir.

Relationship with Other Departments

The Parks and Recreation Department will continue to collaborate with all city departments as well as multiple external stakeholders engaged in the ownership, operation and management of the reservoir.

Change from Past CIP



Boulder Reservoir Site Management Planning continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$60,000	Project Cost Total	\$60,000
		Funding Total	(\$60,000)
Total Project Cost	\$60,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013	\$60,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0

Subtotal \$60,000

Total Funding Plan \$60,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:

Additional Annual O&M Description:



Project Name: Elks Neighborhood Park

Project at a Glance

Project Type:	New Construction – Growth Related Facility / Additions		
Department:	Parks & Recreation	Subcommunity:	North Boulder
Funding Source:	Parks & Recreation .25 C	BVCPArea:	Area I
Project Number:		Map Number:	8
CEAP Required:	Yes	CEAP Status:	Four Mile Canyon Creek Trail CEAP was completed by Greenways/Utilities in 2010/2011

Project Description

The Elks Neighborhood Park site is a 7.9 acre parcel located at 3995 28th Street. In the Fall of 2011, the Parks and Recreation Department initiated the Elks Park conceptual site design that included several neighborhood meetings and dialogue with the adjacent property owners. The Park will provide park amenities such as shelter upgrades, new adventure play and par course equipment, multi-use turf field, landscaping and irrigation improvements to an existing underserved area that has been prioritized for design and development. The park improvements will also comply with ballot requirements of the .25 Cent Sales Tax. The Park improvements will be coordinated with Utilities, Tributaries and Greenways for the Four Mile Canyon Creek multi-use trail and required flood and drainage work prior to park development.

Elks Neighborhood Park

This project began in 2011.

Costs:

1. Planning and Design: \$100,000 (this includes costs associated with professional consultant service contracts. Additional staff time/cost has been used to complete the preliminary conceptual design and neighborhood outreach efforts during the Fall 2010.

2. Acquisition: N/A

3. Construction: \$1,500,000

This project does not include outside funding from other sources.

The project is anticipated to complete construction in 2013.

Relationship to Guiding Principles

The Parks and Recreation Master Plan identified the need to develop existing and newly acquired undeveloped park sites to meet underserved neighborhoods and park service standards. The park improvements will also comply with ballot requirements of the .25 Cent Sales Tax.

Public Process Status, Issues

The Utilities and Tributary Greenways projects along Fourmile Creek has completed a require a CEAP, which included coordination with the Elks Park site. The Parks and Recreation Department will conduct a public process as a part of the design development of the park site and coordinate with the neighborhood, community members and the Parks and Recreation Advisory Board.

Relationship with Other Departments

The department will work with Utilities and Tributary Greenways to ensure that all site work is coordinated appropriately. The Utilities and Tributary Greenways work must be completed before Parks and Recreation can begin park development.

Change from Past CIP



Elks Neighborhood Park continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,600,000	Project Cost Total	\$1,600,000
		Funding Total	(\$1,600,000)
Total Project Cost	\$1,600,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$1,000,000
Six Year Funding Plan	
2013	\$600,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$600,000
Total Funding Plan	\$1,600,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: .25 Cent Sales Tax Fund

Additional Annual O&M Description:

Park maintenance of turf, horticulture, structures and hardscape features



Project Name: Flatirons Golf Course Irrigation System Replacement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** Southeast Boulder
Funding Source: Permanent Parks & Recre **BVCPArea:** Area I
Project Number: **Map Number:** 5
CEAP Required: No **CEAP Status:**

Project Description

The Flatirons Golf Course Master Plan was completed in 2010 and includes recommendations for capital and operational improvements. The master plan identifies capital costs and revenue streams for the Golf Course and input from the public and all city stakeholders (including Transportation, Planning and Finance) was included to ensure a common shared vision of Flatirons Golf Course. Funding will be used for the next two phases for the replacement of the irrigation systems for the fairways and roughs to improve water efficiency, cost effectiveness and turf management and quality. The department seeks to retain and/or increase current revenue streams as well as further departmental economic and environmental sustainability by enhancing the amenities at Flatirons Golf Course. Flatirons Golf Course Irrigation System Replacements

This project began in 2009 with the initial computerized system, main line and greens area irrigation system upgrades.

Costs:

1. Planning and Design: \$55,000 (2009)
2. Acquisition: N/A
3. Construction: \$1,700,000

This project does not include outside funding from other sources.

The project is anticipated to be completed in 2014.

Relationship to Guiding Principles

The Parks and Recreation Master Plan identified the need to maintain and renovate facilities, as well as invest in facilities and programs that offer opportunities to increase revenues.

Public Process Status, Issues

Public meetings were held during 2010 on potential improvements to the golf course and events center. The Parks and Recreation Advisory Board (PRAB) has been updated regularly with discussions throughout the master plan process as the strategic plan was finalized and options were evaluated. The funding for the irrigation upgrades corresponds over two fiscal years to minimize any negative impacts to playability and revenues.

Relationship with Other Departments

Parks and Recreation will coordinate with Planning, Finance, Transportation, CMO, FAM and any other identified departmental stakeholders.

Change from Past CIP



Flatirons Golf Course Irrigation System Replacement continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,795,263	Project Cost Total	\$1,795,263
		Funding Total	(\$1,795,263)
Total Project Cost	\$1,795,263	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$95,263
Six Year Funding Plan	
2013	\$500,000
2014	\$1,200,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,700,000
Total Funding Plan	\$1,795,263

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Recreation Activity Fund

Additional Annual O&M Description:

Changes to operating and maintenance costs will vary depending on improvements.



Project Name: Lighting Ordinance Implementation

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** System-wide
Funding Source: Permanent Parks & Recre **BVCPArea:** System-wide
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

Based on the departments lighting study, facilities have been identified that are not compliant with the city's lighting ordinance. Based on the study, many opportunities have been identified for energy conservation. The department will implement lighting retrofits in accordance with the city's lighting ordinance and to maximize energy efficiency. The department is accumulating funding in anticipation of replacement and retrofitting lighting fixtures. Criteria for determining the schedule for replacement will include cost, energy savings and safety.
Lighting Ordinance Implementation
 This project is for an ongoing funding program. In 2016 and 2017, \$500,000 will be spent on upgrades to exterior lighting throughout city parks and recreation facilities to meet local lighting ordinance requirements. This project does not include outside funding sources.

Relationship to Guiding Principles

The approved master plan identifies the need to develop, maintain, and renovate facilities to meet community demands. Additionally, the lightning will contribute to the safety of the community as well as reduce energy demands.

Public Process Status, Issues

City lighting ordinance compliance is required by 2017. No public process is anticipated. The public will be notified on a project by project basis.

Relationship with Other Departments

The department will coordinate with Planning, FAM, OEA, CAO, as needed or required.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost \$500,000

Total Project Cost \$500,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$500,000
 Funding Total (\$500,000)

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0
 2014 \$0
 2015 \$0
 2016 \$250,000
 2017 \$250,000
 2018 \$0

Subtotal \$500,000

Total Funding Plan \$500,000



Lighting Ordinance Implementation continued

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source: General Fund and .25 Cent Sales Tax Fund

Additional Annual O&M Description:

Unknown, but will include energy costs and annual maintenance



Project Name: NBRC: Interior Circulation Study/Improvements

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: Parks & Recreation **Subcommunity:** North Boulder
Funding Source: Permanent Parks & Recre **BVCPArea:** Area I
Project Number: **Map Number:** 2
CEAP Required: No **CEAP Status:**

Project Description

Funding for the interior space planning analysis, design and construction of improvements to the North Boulder Recreation Center is in response to community demand to improve circulation areas, weight room expansion and possible lobby concession area. These improvements are identified as program and efficiency needs to maintain facility standards.

NBRC: Interior Circulation Study / Improvements

This project has not begun.

Costs:

1. Planning and Design: \$25,000

2. Acquisition: N/A

3. Construction: \$255,000

This project does not include outside funding from other sources.

The project is anticipated to be completed in 2015.

Relationship to Guiding Principles

The 2006 Parks and Recreation Master Plan identified the need to maintain and renovate facilities, as well as invest in facilities that offer opportunities to increase revenues. Improvements were also identified in the 2010 Recreation Program and Facilities Plan.

Public Process Status, Issues

As the scope of work is further defined, the necessity of public input will be determined.

Relationship with Other Departments

Parks and Recreation staff will coordinate with FAM, Public Works/Utilities, Planning and any other identified department stakeholders as necessary.

Change from Past CIP



NBRC: Interior Circulation Study/Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$280,000	Project Cost Total	\$280,000
		Funding Total	(\$280,000)
Total Project Cost	\$280,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$280,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$280,000
Total Funding Plan	\$280,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
 Additional Annual O&M Description:



Project Name: Pearl Street Mall Irrigation System Replacement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades

Department: Parks & Recreation

Subcommunity: Central Boulder

Funding Sources: Permanent Parks & Recreation Fund
Lottery Fund

BVCP Area:

Project Number: 18

Map Number: 144

CEAP Required: No

CEAP Status:

Project Description

The irrigation system on the Pearl Street Mall is the original system that was installed in the 1970's and a complete renovation is needed. The new irrigation system will utilize new technology for customizing irrigation needs to specific areas and will be extremely efficient in water use resulting in water and energy savings as well as labor savings.

Pearl Street Mall Irrigation System Replacement

This project began in 2010.

Costs:

1. Planning and Design:
2. Acquisition: N/A
3. Construction: \$1,500,000

This project includes multiple funding sources. \$900,000 is planned for funding from the Parks & Recreation Fund and \$600,000 is planned for funding from the Lottery Fund. The project is anticipated to be completed in 2015.

Relationship to Guiding Principles

A goal of the 2006 Parks and Recreation Master Plan is to "Maintain and protect our parks and recreation facilities and programs." This project will also contribute to the department's environmental sustainability goal through water conservation.

Public Process Status, Issues

The department will coordinate with Pearl Street Mall merchants to schedule repair work and ample public notice will be provided.

Relationship with Other Departments

Parks and Recreation staff will coordinate with the Downtown and University Hill Management group and FAM.

Changes from Past CIP



Pearl Street Mall Irrigation System Replacement continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,500,000	Project Cost Total	\$1,500,000
		Funding Total	(\$1,500,000)
Total Project Cost	\$1,500,000	Total Unfunded	\$0

Capital Expenditure Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013	\$450,000
2014	\$500,000
2015	\$550,000
2016	\$0
2017	\$0
2018	\$0

Subtotal \$1,500,000

Total Funding Plan \$1,500,000

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

There would be small amounts of multi-use paths added but generally the maintenance costs would be the



Project Name: Playground and Park Irrigation System Renovation

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** System-wide
Funding Sources: Permanent Parks & Recreation Fund **BVCP Area:** System-wide
Lottery Fund
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

Upon completion of the 2006 master plan, the department committed to renovating playgrounds and irrigation systems. The specific playground and park irrigation system that will be renovated will be decided on an annual basis and communicated to the public. Projects are necessary to comply with goals and commitments identified in the department’s master plan. The department evaluates and prioritizes needs based on criteria including safety and code compliance, age of the equipment, location in the city, and opportunities for efficiencies, collaboration or partnerships with other departments or the surrounding neighborhood.

This project is for an ongoing funding program. In 2012, \$95,000 will be spent on renovating existing playground and/or irrigation systems. An additional \$600,000 is allocated for FY 2016 and 2017 to continue the renovations of neighborhood parks identified by the department. This project does not include outside funding sources.

This program includes multiple funding sources. \$900,000 is planned for funding from the Parks & Recreation Fund and \$460,300 is planned for funding from the Lottery Fund. This project does not include outside funding sources.

Relationship to Guiding Principles

The Parks and Recreation master plan identified the need to maintain parks, as well as accelerate the park renovation and refurbishment schedule. In addition, the department committed to renovating one playground and irrigation system per year.

Public Process Status, Issues

The department will conduct outreach to the neighborhood on the needs and design of the playground. Typically, two public meetings are conducted – an initial one to gather suggestions and a follow-up meeting to review design options. The project is posted on the department’s website and regular updates are posted. A email group may also be created to update interested community members. The PRAB will be updated regularly.

Relationship with Other Departments

Parks and Recreation will coordinate with Planning

Changes from Past CIP



Playground and Park Irrigation Systems Renovation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
	Total Project Cost		Total Unfunded

Capital Expenditure Plan

Funding Prior to 2013 **\$0**

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$530,300
2017	\$530,000
2018	\$300,000

Subtotal \$1,360,300

Total Funding Plan \$1,360,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$3,000 Funding Source:

Additional Annual O&M Description:

Inspection and repair of equipment , graffiti removal, safety inspection, playground surface maintenance



Project Name: Pool Replastering

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** System-wide
Funding Sources: Permanent Parks & Recreation Fund **BVCP Area:** System-wide
.25 Cent Sales Tax Fund
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

The Parks and Recreation Department manages and operates 11 pools within the city including indoor and outdoor leisure pools, lap pools and hot tubs. As part of ongoing maintenance and repairs to recreation facilities, the department must prioritize and schedule the replastering of the pools in order to continue to provide safe, clean and accessible facilities for public use. The pools must be replastered every five years and the department must schedule funds to achieve lifecycles of the plastering. This project will allow replastering of specific pools based on an annual prioritization schedule by staff. Additionally, new replastering products are available that provide long-term maintenance and operational efficiencies. Pools are an integral component in generating revenues for the city and allowing the department to provide recreation programs and instruction to the community.

This program includes multiple funding sources. \$130,000 is planned for funding from the Parks & Recreation Fund and \$100,000 is planned for funding from the .25 Cent Sales Tax Fund. The project is anticipated to be

Relationship to Guiding Principles

The Parks and Recreation master plan identified the need to maintain parks, as well as accelerate the park renovation and refurbishment schedule. In addition, the department committed to renovating one playground and irrigation system per year.

Public Process Status, Issues

The department will conduct outreach to the neighborhood on the needs and design of the playground. Typically, two public meetings are conducted – an initial one to gather suggestions and a follow-up meeting to review design options. The project is posted on the department's website and regular updates are posted. A email group may also be created to update interested community members. The PRAB will be updated regularly.

Relationship with Other Departments

Parks and Recreation will coordinate with Planning, Public Works/Utilities, FAM and Transportation as necessary.

Changes from Past CIP



Pool Replastering continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
	Total Project Cost		Total Unfunded

Capital Expenditure Plan

Funding Prior to 2013 **\$0**

Six Year Funding Plan

2013	\$55,000
2014	\$100,000
2015	\$75,000
2016	\$0
2017	\$0
2018	\$0

Subtotal \$230,000

Total Funding Plan \$230,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:

Additional Annual O&M Description:



Project Name: South Valmont City Park Planning

Project at a Glance

Project Type: Study or Analysis

Department: Parks & Recreation **Subcommunity:** East Boulder

Funding Source: Parks & Recreation .25 C **BVCPArea:**

Project Number: **Map Number:** 9

CEAP Required: No **CEAP Status:**

Project Description

The current Phase 1 development of Valmont City Park is nearing completion and has been overwhelmingly successful. In order to continue the momentum and address increased recreation demand from the community, the Department desires to initiate a planning process for Phase 2 of the city park south of Valmont Road. The phase 2 development will include addition of athletic fields, a universally accessible playground, disc golf course, continuation of multi-use paths and other park amenities. The projected cost for the Phase 2 planning process is estimated at \$150,000 for the retention of a consultant team and extensive community engagement. The Phase 2 planning and design process will build upon the overall Valmont City Park Concept Plan from 2008.

Relationship to Guiding Principles

The department's 2006 masterplan supports the continued development of Valmont City Park through various goals, strategies and recommendations including Goal Three pertaining to filling in the gaps in our parks and recreation system that specifically mentions identifying funding strategies for developing the park. Additionally, Valmont City Park is mentioned throughout the masterplan recommendations pertaining to planning and development of all phases of the city park.

Public Process Status, Issues

An extensive public process was conducted during the revision of the Valmont City Park concept plan for Phase One north of Valmont Road, including conducting a community survey, open house gatherings, and numerous public meetings with the Parks and Recreation Advisory Board (PRAB). During the planning of Phase Two, south of Valmont Road, an extensive public process will be initiated to engage all members of the community and specific user groups. Regular meetings and open houses will be scheduled to review plans, provide input and discuss alternatives to reach a final recommendation of the plan.

Relationship with Other Departments

Parks and Recreation continues to coordinate with Planning, Utilities, Transportation (Greenways and Tributaries) and other departments as necessary.

Change from Past CIP



South Valmont City Park Planning continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$150,000	Project Cost Total	\$150,000
		Funding Total	(\$150,000)
Total Project Cost	\$150,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$150,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$150,000
Total Funding Plan	\$150,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
Additional Annual O&M Description:



Project Name: Thunderbird Lake Plant Investment Fee

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: Parks & Recreation **Subcommunity:** Southeast Boulder
Funding Source: Parks & Recreation .25 C **BVCPArea:**
Project Number: **Map Number:** 145
CEAP Required: No **CEAP Status:**

Project Description

A PIF will be charged if the pilot project for water additions to Thunderbird Lake is to be continued permanently. This charge would account for the infrastructure installed as part of the retrofitted irrigation system to move water to the lake and for the additional demand on the existing city water system.

Thunderbird Lake Plant Investment Fee

This project has not begun.

Costs:

1. Planning and Design: N/A
2. Acquisition: N/A
3. Construction: : \$250,000 (PIF)

This project does not include outside funding from other sources.

The project is anticipated to be completed in 2015.

Relationship to Guiding Principles

The Parks and Recreation Master Plan has a goal to enhance the community's quality of life (Goal 6). Maintaining parks sites with unique assets such as Thunderbird Lake offers variable recreational and social opportunities unlike other urban parks.

Public Process Status, Issues

An extensive public process has been conducted during the decision making process leading to the three year pilot program decision by City Council. The project is in the second year of the implementation process (2009 - 2011). At the conclusion of three years a final report will be submitted to PRAB and City Council for a decision on whether water additions will either be continued or not.

Relationship with Other Departments

The Parks and Recreation Department has been working closely with staff from Public Works, Water Quality and Water Conservation to determine appropriate strategies, implementation and monitoring processes.

Change from Past CIP



Thunderbird Lake Plant Investment Fee continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$250,000	Project Cost Total	\$250,000
		Funding Total	(\$250,000)
Total Project Cost	\$250,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$250,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$250,000
Total Funding Plan	\$250,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:
Additional Annual O&M Description:



Project Name: Tributary Greenways Program – Lottery

Project at a Glance

Project Type: On-Going Projects
Department: Parks & Recreation **Subcommunity:** Multiple Subcommunities
Funding Source: Lottery Fund **BVCPArea:**
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

The program is intended to improve and protect the many riparian corridors that pass through the city. Improvements include pedestrian/bicycle paths, drainage and flood control structures, and preservation and enhancement of natural features. A portion of the capital funding for this program was shifted to needed maintenance of existing system beginning in 2002. See Greenways CIP/Budget section. Project funding is ongoing. This represents the Lottery Fund contribution to the program.

Relationship to Guiding Principles

Coordination with the Greenways program is described in the Parks & Recreation Master Plan and the OSMP Visitor Master Plan.

Public Process Status, Issues

CEAP's are completed for all significant greenways projects and are reviewed by appropriate boards. See Greenway CIP for more detailed information.

Relationship with Other Departments

The Greenways program requires coordinating with Transportation, Open Space, Flood Utility, Planning and Parks Departments.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost

Total Project Cost

Unfunded Amount

Unfunded Amount

Project Cost Total

Funding Total

Total Unfunded

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$150,000
2014	\$150,000
2015	\$125,400
2016	\$125,400
2017	\$125,400
2018	\$125,400

Subtotal **\$801,600**

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

no additional – funding is for the program, specific projects are outlined in the Greenways CIP



Project Name: Urban Parks Computerized Irrigation System Replacement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: Parks & Recreation **Subcommunity:** Multiple Subcommunities
Funding Source: Permanent Parks & Recre **BVCPArea:** System-wide
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

Continue the replacement of system-wide irrigation system to improve efficiency of water usage in Urban Parks. An irrigation system audit was conducted by the Parks Division in early 2009 to determine the feasibility of making necessary investments in the current irrigation system or move toward a system with an operating system that better fit the needs of the department. The audit results indicated that the old system needed to be replaced by one that has more accurate water delivery capacity and has a more user-friendly operating system.

Urban Parks Computerized Irrigation System Replacement

This project began in 2010.

Costs:

1. Planning and Design: need the Cip estimate in here
2. Acquisition:
3. Construction: \$370,000

This project does not include outside funding from other sources.

The project is anticipated to be completed in 2013.

Relationship to Guiding Principles

Project meets the following goals outlined in the Parks and Recreation Master Plan:

Goal 1: Maintain and protect our parks and recreation facilities and programs.

Goal 5: Be a community-wide leader in environmental sustainability.

Goal 6: enhance our quality of life.

Public Process Status, Issues

Relationship with Other Departments

IT is assisting with Ethernet communication which will save cost and be more dependable than other forms of communication.

Water Resources Department is working with the Parks Division to ensure proper and wise water use.

Change from Past CIP



Urban Parks Computerized Irrigation System Replacement continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$620,000	Project Cost Total	\$620,000
		Funding Total	(\$620,000)
Total Project Cost	\$620,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$455,000
Six Year Funding Plan	
2013	\$165,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$165,000
Total Funding Plan	\$620,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:

Additional Annual O&M Description:

Decrease in operating costs due to increase efficiency and effectiveness of this tool.



Project Name: Valmont City Park (Phase I)

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: Parks & Recreation **Subcommunity:** East Boulder
Funding Source: Permanent Parks & Recre **BVCPArea:** Area I
Project Number: **Map Number:** 10
CEAP Required: No **CEAP Status:** Site Review Approved

Project Description

The Valmont City Park (VCP) Phase I construction continues to advance. Funding allocations will address the remaining portions of the 42-acre Valmont Bike Park located north of Valmont Road and east of Airport Road. Remaining project elements include completion of the landscaping, seeding and irrigation systems, Airport Road ROW improvements (sidewalk, curb and gutter and drive entrances), tree planting and irrigation at the new Valmont Road parking lot, renovation of the dog park and plaza entry, completion of the relocated Platt Farmhouse and design and implementation of the proposed disc course located south of Valmont Road.

Valmont City Park (Phase I)

This project began in 2009 (design).

Costs:

1. Planning and Design: \$700,000
2. Acquisition: \$14.3M (1997)
3. Construction: \$4.3M

This project includes \$245,000 GOCO grant funding and approximately \$255,000 in donations from other sources. Phase I is anticipated to completed in 2014.

Relationship to Guiding Principles

A P&R Master Plan goal is to fill in the gaps in the parks and recreation system. Revising the concept plan for Valmont City Park was identified as a 2007 work plan item and completion of Valmont City Park is identified in the department's vision plan.

Public Process Status, Issues

An extensive public process was conducted during the revision of the Valmont City Park concept plan in 2007, including conducting a community survey, open house gatherings, and numerous public meetings with the Parks and Recreation Advisory Board (PRAB). A project website continues to be updated regularly on construction activities and key project milestones. The Parks and Recreation Advisory Board (PRAB) has been provided regular updates throughout the design and development process. The Landmark's Board, Planning Board and staff have been actively engaged in the review and approval of the relocation of the Platt Farmhouse as required. The Boulder Mountainbike Alliance (BMA) continues to be involved throughout the construction of the first phase of the Bike Park including coordination with the Valmont Bike Park Opening Ceremony in June 2011.

Relationship with Other Departments

Parks and Recreation continues to coordinate with Planning, Utilities, Transportation (Greenways and Tributaries) and other departments as necessary.

Change from Past CIP



Valmont City Park (Phase I) continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,155,285	Project Cost Total	\$1,155,285
		Funding Total	(\$1,655,285)
Total Project Cost	\$1,155,285	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$755,285
Six Year Funding Plan	
2013	\$650,000
2014	\$250,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$900,000
Total Funding Plan	\$1,655,285

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: General Fund and .25 Cent Sales Tax Fund

Additional Annual O&M Description:

As park is developed, maintenance and operating costs will be determined

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Funding Overview

Investment in the Transportation infrastructure is occurring through five separate funds that are listed below. Over the next three years, due to community support for the Capital Improvement Bond and successful federal and state transportation grant applications, Transportation has the great fortune to catch up on deferred capital maintenance and to add strategic connections to the multimodal system, including Boulder Junction. These one-time funding injections are appreciated and beneficial; however, the longer term picture still needs an ongoing solution to cost escalation outpacing ongoing revenues. Over the next three years, the Transportation Division is committed to timely and quality investment on both Capital Improvement Bond Projects as well as federal and state grant projects.

Airport Fund

The Airport Fund accounts for the operations of the city-owned municipal airport and supports airport investment. It is supported primarily by lease revenue and entitlement funds from the Federal Aviation Administration (FAA).

Transportation Fund

The Transportation Fund accounts for construction, operation and maintenance of all major thoroughfares, local streets, bikeways, walkways and other transportation systems. Funding for city transportation projects comes from several different sources: .6% dedicated sales tax, Highway Users Tax, County Road and Bridge funds, State Highway Maintenance and Landscape Funds, and Safe Accountable Flexible Efficient Transportation Equity Act – A Legacy for Users (SAFETEA-LU) federal funds primarily support the Transportation Fund.

Transportation Development Fund

The Transportation Development Fund accounts for development fees to be utilized for the construction of transportation capital improvements related to new development and growth. Funding for the Transportation Development Fund is provided primarily through the transportation excise tax (TET) revenues. The TET was instituted in the 1980s to fund transportation improvements related to growth and is paid by new commercial and residential development. In 2008, the Development Excise Tax rates and the percentage allocated to transportation were increased.

Boulder Junction Improvement Fund

The Boulder Junction Improvement Fund was created in 2011 for the Boulder Junction Key Public Improvements. Funding is provided from development related revenues generated in the Boulder Junction Area that will be reinvested into Key Public Improvements in this area. Transportation



in addition to other money budgeted in the Transportation CIP. Other department funding sources will also be used for these projects.

Capital Improvement Bond Fund

A Capital Improvement Bond initiative was passed by the City of Boulder voters in November of 2011. Bonds were sold in March of 2012 with three years to construct 85% of the approved projects in the bond and five years to construct the remaining 15% of projects. Transportation received and will construct \$26 million dollars of the bond projects for much needed capital maintenance projects and key capital improvements.

Accomplishments and Highlights

Completed in the summer of 2011, the 30th Street Transportation Improvements Project won two industry awards in 2012:

Award of Merit for Bridge Construction

From the Rocky Mountain Chapter of the American Concrete Institute
From the American Concrete Institute, "The project built a uniquely designed bridge in a tightly constrained urban business district while keeping traffic lanes open during the entire construction period. The project had complex construction sequencing and coordination between the city, contractor and public and private utilities." Also named in the award was the primary contractor, Concrete Works of Colorado, Inc.; Tsiouvaras Simmons Holderness, structural engineer; Bestway Concrete Company, concrete supplier; and, Studio Terra, Inc. landscape architect.

Honorable Mention for Engineering and Construction Management

From the Colorado Chapter of the American Public Works Association
From the American Public Works Association, "The true innovations were realized in the project's collaborative design, creative funding and a partnering approach with the community to achieve its 'complete street' improvements while minimizing impacts to the public."

Projects Expected for Completion in 2012

- *Broadway (Euclid to 18th) Transportation Improvements Project:* Construction of an underpass at Broadway and Euclid/16th, expanded bus stop with amenities, new traffic signals on Broadway at 17th and 18th Streets and multi-use path improvements
- Arapahoe Multi-use Path (Folsom-30): Installation of 10 foot-wide multi-use paths on both sides of Arapahoe Avenue from Folsom-30, transit improvements including a bus queue jump lane, bike racks and landscaping
- Linden Safe Routes to School Project: A new sidewalk on the north side of Linden Avenue from Broadway to Wonderland Hill Avenue








Linden Avenue before the Safe Routes to School project



Projects Expected for Completion in 2012, cont.

- Four-Mile Safe Routes to School Project from 28th to the west: A new multi-use path from 28th to 26th streets
- 28th Street Multi-use Path from Colorado to Baseline on the west side: Construction of a 12 foot-wide multi-use path on the west side of 28th Street, completing the 28th Street South Corridor improvements
- Transit Stop Improvements in various locations funded with CDOT Easter Fund: Improvements include bus pads and other bus stop amenities and meeting Americans with Disabilities Act (ADA) design guidelines
- Boulder Junction – Pearl and Junction Place Traffic Signal and PSCO Utility Undergrounding – The two improvements on Pearl Parkway between 30th Street and the railroad tracks included the installation of a new traffic signal on Pearl Parkway at Junction Place as well as the overhead utility lines on the south side of Pearl Parkway being relocated underground on the north side of Pearl Parkway
- East Aircraft Parking Ramp at Boulder Municipal Airport: Rehabilitated the eastern third of the aircraft parking ramp. Project corrected drainage issues and included new asphalt and aircraft tie-down points.


Projects Expected for Completion in 2013*

-  14th and Walnut Transit Facility Improvements: This project will include better accommodations for buses stopping on the street, patron information improvements and pedestrian and bicycle access and accommodations.
-  South Boulder Road and Manhattan Traffic Signal and Associated Improvements – Safe Routes to School Project: Installation of a traffic signal at the intersection of South Boulder Road and Manhattan Drive, transit stop improvements and a sidewalk on the south side of South Boulder Road.
-  Boulder Junction Projects – Pearl Street multi-way blvd. – south side from 30th to RR: A new multimodal street design has been developed for Pearl Parkway from 30th Street to the railroad and construction of the multi-way boulevard will occur in sections. The south side of Pearl Parkway from 30th to the railroad is the first section being constructed [the north side will be made during the Pearl Parkway (30th–Foothills Parkway) construction].
-  Boulder Junction – Junction Place Bridge over Goose Creek, Junction Place from Pearl to the Goose Creek Bridge, Pearl Street Multi-use Path and multi-way boulevard improvements on the north side from 30th to Foothills Parkway.
-  Arapahoe Reconstruction from Folsom Street to approximately 17th Street: The project includes a street reconstruction of Arapahoe Avenue, from Folsom Street to approximately 17th Street, storm drainage improvements and pedestrian, urban design, landscaping and transit stop improvements, as funding allows.

* *Capital Improvement Bond projects indicated with:* 



Projects Starting in 2013, but Not Completed

-  *28th Street Multi-Use path (MUP) and transportation improvements from Arapahoe to Valmont*: Construction of a new multi-use path connection on the west side of 28th Street, from Arapahoe Avenue to Bluff Street as well as completing the share bus-bike lane in the southbound and northbound direction in this section of 28th Street.
- *Diagonal Highway Reconstruction and Multi-Modal improvements - 28th to 30th*: includes a reconstruction of existing roadway, new curb & gutter, medians, bicycle lanes, multi-use path, sidewalks and transit stop bus pads and other amenities.
- *Foothills Parkway at Valmont southbound*: extend the third southbound lane on Foothills Parkway from the Diagonal Highway to south of Valmont Road. Install bike racks and a bench at the Valmont/Foothills transit stop. Incorporate raised pedestrian crossings at the northwest and southwest corners of the Valmont intersection.



Existing conditions at Diagonal Highway between 28th & 30th Streets.

Highlights of 2013–2018 Projects

- *TIP projects*:
 - ◆ *Diagonal - 28th to 30th Street* - see above description
 - ◆ *Baseline Underpass east of Broadway* - construction of a bicycle/pedestrian underpass underneath Baseline Road between Broadway and 27th Way, replacing the existing pedestrian signal
 - ◆ *28th Street - Iris to Yarmouth - MUP and bike access improvements* - construction of a multi-use path on the west side of 28th Street from Iris to Fourmile Canyon Creek and bikeable shoulders from Iris to Yarmouth in the northbound and southbound directions of 28th Street
 - ◆ *Foothills at Valmont* - see above description
 - ◆ *Pearl 30th to Foothills- Multi-way boulevard and multi-use path improvements in coordination with adjacent private development in Boulder Junction area*
- *29th/Valmont Safety Project with Federal Hazard Elimination Grant* - installation of a traffic signal and associated pedestrian improvements
- *Airport CIP* - Rehabilitation of Airport Parking Ramp is funded in 2016 by the FAA.

Relationship to Guiding Principles and Prioritization

Airport Fund

The Airport Master Plan was updated in 2007, and its purpose is to assess current and future needs of the airport and provide a plan for facility and management improvements for the next 20



years. Recommended projects were identified and categorized into a Fiscally Constrained Plan, Action Plan, and a Vision Plan. Investments are focused on maintaining infrastructure and facilities. Furthermore, the Airport Fund is one of a handful of general aviation airports in Colorado which is not supported by a general fund. The airport is supported through user fees that leverage external funding from federal and state sources for improvements and capital maintenance. In addition to flight training and recreational use, the airport fulfills the demand of the aviation business sector such as weather research and aviation-related design and manufacturing that would move outside of Boulder without the airport.

Transportation Funds

All proposed projects in the 2013–2018 CIP are consistent with the Transportation Master Plan, last updated in 2008, and its budget guiding principles. Transportation has initiated an update of the master plan beginning in 2012. The CIP Guiding Principles share many of the same traits as the TMP Budget Guiding Principles including focusing on maintenance of the existing system, leveraging funds and supporting community sustainability goals.

Transportation has focused increases in the operating budget to support ongoing operations and maintenance of the existing system as well as additions to the multimodal system. Transportation projects are very important improvements for advancing the community sustainability goals. Environmental – create sustainable transportation systems that allow people travel choices and work towards lessening green house gas emissions and lowering transportation related energy consumption. Social – Providing travel choices allows for enhanced community access for all income levels. Economic – a safe and accessible transportation system that allows mobility and access are key to community economic vitality and the sustainable transportation system promotes tourism. And, the efficient movement of goods and services are also important to economic vitality.

Each improvement is an incremental increase in the overall system that has a minor impact to the overall maintenance costs and additional funds are being added to the operating budget to cover increased maintenance expenses. All projects in the proposed CIP go towards maintaining and improving existing assets. Capital maintenance is the highest priority for funding and each project has elements of capital maintenance as existing infrastructure is removed and replaced as part of the improvements. There is flexibility in many of the on-going CIP projects. In addition, there is a project identified as FasTracks Local Optimization and TIP coordination to provide flexibility in applying for grants and other leveraged funding opportunities.

Transportation projects meet legal mandates – an example is ADA requirements for transportation improvements, and state and federal requirements are followed in purchasing and contract administration. Public safety is also a key focus of all transportation projects – designs meet local, state and federal standards and some funding is specifically for hazard eliminations like the 29th/Valmont project.



Leveraging funding is prevalent in the transportation CIP and extensive outside money is acquired using the limited city transportation dollars; for example, the 2013–2018 CIP includes just over \$17 million in leveraged projects and just over \$14 million (82%) of these costs are supported by external sources. Transportation also promotes community partnerships by working with other agencies such as RTD, Boulder County, CU and CDOT. Many projects are capital maintenance projects that improve maintenance needs like roadway reconstruction on the Diagonal from 28th to 30th Street and maintenance efficiencies are incorporated into the designs. Transportation coordinates projects with other departments including water/wastewater/storm, parks and recreation, and open space to implement improvements simultaneously to save construction and future maintenance costs. For example on a street reconstruction the maintenance and upgrade of underground utilities are coordinated with the reconstruction project. Transportation works to maintain adequate reserves and flexibility in the CIP and operating budgets to respond to emergencies and revenue fluctuations.

Prioritization

Aligning with the policies of the Transportation Master Plan is an important aspect of the Transportation Budget's guiding principles. The TMP calls for developing a balanced multimodal system that offers transportation choices. In Council/Board budget processes, the following priorities and strategies have been used to develop the Transportation CIP:

- Maintain Integrity of Transportation Prioritization, in order:
 - ◆ Maintenance and Operations (Essential)
 - ◆ Multimodal System Expansion (Desirable)
 - ◆ Enhancements without system performance benefit (Discretionary)
- Achieve Sustainable Budget Over Time
- Continue Efficiency Improvements
- Maintain Leveraged Funded Projects.

Boulder Junction Improvement Fund

As a part of the adopted Transit Village Area Plan (TVAP) (September 2007, Revised August 2010) and related 2007 TVAP Implementation Plan, several Key Public Improvements were identified for public funding with the following key guiding principles:

- Identify mechanisms to fairly distribute public improvement benefits and burdens among all area property owners.
- Complete key connections and improvements needed ahead of new development.
- The publicly-funded Key Public Improvements should benefit the City as a whole or implement the vision and goals for the TVAP area.
- The proposed transportation connections in this area are consistent with the adopted TMP.



New Projects

Airport Fund

Addition of a rehabilitation project for the aircraft parking ramp was added in 2016. The project will rehabilitate a portion of the aircraft parking ramp, which will include repairing the sub grade and correcting drainage issues, as needed, painting aircraft movement lines and installing tie-down anchor points after rehabilitation is done. This project will be primarily funded through the Federal Aviation Administration (FAA) entitlement program that pays for 95% of the total cost for rehabilitation of airport infrastructure. The remaining 5% is split between CDOT and the Airport Fund.

Transportation Fund

Valmont & 29th/Hazard Elimination Project was added in 2014. This project consists of adding a traffic signal at the intersection of 29th Street & Valmont and the addition of associated left turn lanes on Valmont Road. The city was awarded funding for this project during the 2012 application process. The total project budget is \$3,015,000; 90 percent of the project is supported by federal funds and the remainder is supported by city match funds. The focus of the project is to enhance pedestrian and bicycle crossing safety in the 29th Street corridor. The project also serves to create a finer grid of transportation connections consistent with TVAP.

Deferred, Eliminated, or Changed Projects

Transportation Fund

- Funding for the 28th Street: Baseline to Iris improvements project was increased \$800,000 in the 2013–2018 CIP to restore the original budget. In the last CIP, funding for this project was reduced in an effort to provide sufficient match dollars for the 28th Street Path Improvements: Iris to Valmont DRCOG TIP project.
- The DRCOG TIP project for Pearl Parkway Multi-Use Path: 30th to Foothills experienced two changes as the result of a TIP amendment. First, the project received additional federal funding of \$705,000. Second, the full amount of the budget was moved up to 2013 when a portion was previously budgeted in 2014 to better align the project completion timing with projects in the Boulder Junction area. The TIP amendment also included funding for the Wonderland Creek at 28th Street Underpass project within the Stormwater & Flood Management Utility CIP.
- Additional funding was budgeted into the 2013–2018 CIP to replenish funding for DRCOG TIP/FasTracks local match dollars. A total of \$1,450,000 was added to this match in 2013 and 2014. This additional allocation better positions the city to take advantage of leveraged projects in future DRCOG TIP processes, other funding opportunities that may arise or for smaller projects identified through the FasTracks Local Optimization (FLO) effort, and other match obligations that may emerge from the FasTracks program.



Transportation Development Fund

The Transportation Development Fund experienced one change in the 2013–2018 CIP. An addition of \$200,000 was budgeted in 2018 as signal installation and upgrade costs are budgeted every four years.

Boulder Junction Improvement Fund

The Boulder Junction Improvement Fund CIP did not experience substantive changes in specific transportation projects, with the exception of changes in cost estimates. The 2013–2018 CIP reflect revised project cost estimates due to changing circumstances, updated conceptual engineering plans and the inclusion of inflation assumptions (as original implementation plan cost estimates used 2006 dollars). These changes were communicated to City Council in an update for the Boulder Junction Phase I Implementation Plan February 21, 2012. As supported by the Capital Investment Strategy Committee and Council, the Capital Improvement Bond Fund allows early investment in Boulder Junction Transportation–related Key Public Improvements, which means a loan from the General Fund was not needed for this purpose.

Unfunded Projects and Emerging Needs

Funding Required for Unfunded Improvements

The unfunded projects list in the Transportation Fund is informed by the Transportation Master Plan 2008 update. This plan included four funding levels—Current Funding, Complete Streets, Action Plan, and Vision Plan. The estimated cost for reaching the Complete Streets level of enhancements and maintenance is \$115.8 million beyond current funding, through 2025. This level of funding would include improved access to FasTracks facilities in various city areas, completing the 28th Street improvements including transit accommodation from Pine to Walnut, improved transit service, other high priority community connections and increased operations and maintenance funding of more than \$1 million a year.

Emerging Need: New Transportation Revenues

The costs of operating and maintaining the existing system continue to rise, and take up more of the available funding each year, rising to 80% of spending in 2010. This limits the funding available for capital enhancements to the system, and remains a significant unmet need. The 2011 Capital Improvement Bond and associated projects provide some relief through funding of significant deficiencies in maintenance of the system, but will not address on–going operational and maintenance needs which continue to grow.

In 2006, the Blue Ribbon Commission was created to help establish a stable revenue stream for the city. The Commission identified an expanding funding gap as the cost of providing city services is outpacing revenues. Potential sources of transportation funding were identified and suggested for further research. As a result, the Transportation Advisory Board prepared the

Transportation and Airport



Transportation Funding Report which can be found at [http://www.bouldercolorado.gov/files/Transportation_Master_Plan/funding_report_final_709_small_pdf_version.pdf].

This report suggested the most viable revenue sources are a Transportation Maintenance Fee, Development Excise Taxes, and market based revenue opportunities such as advertising on transit shelters and other infrastructure in the public right-of-way. Increased funding for transportation could help complete the core transportation infrastructure identified in the Transportation Master Plan and also meet industry standards for maintenance and operation of the system. The Transportation Division returned to Council in the 1st quarter of 2012 to continue the discussion of stabilizing long-term revenues for operations and maintenance and received support to implement a community task force to further develop a Transportation Maintenance Fee (TMF) and to investigate additional transportation finance mechanisms that Council supported at the Study Session. Staff will return to Council in late 2012 and early 2013 to discuss the next steps on Transportation Funding.

Table 11-1: 2013-2018 Funding Summary By Department

PUBLIC WORKS - TRANSPORTATION

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
28th St (Baseline to Iris) I	\$ 23,688,342	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 860,000	\$ 5,160,000	\$ 19,963,344	\$ -
28th St (Baseline to Iris) II	4,673,993	470,000	470,000	470,000	470,000	470,000	470,000	2,820,000	1,921,000	-
28th St. Path Improvements: Iris to Yarmouth	2,224,000	200,000	1,324,000	-	-	-	-	1,524,000	700,000	-
Baseline Underpass: Broadway to 28th	5,400,000	1,234,000	2,462,000	-	-	-	-	3,696,000	1,704,000	-
Foothills Parkway Operational Improvements; Diagonal to Valmont	750,000	500,000	-	-	-	-	-	500,000	250,000	-
Pearl Parkway Multi-Use Path: 30th to Foothills	5,000,000	3,750,000	-	-	-	-	-	3,750,000	1,250,000	-
Valmont & 29th/Hazard Elimination	3,015,000	-	3,015,000	-	-	-	-	3,015,000	-	-
Subtotal	\$ 44,751,335	\$ 7,014,000	\$ 8,131,000	\$ 1,330,000	\$ 1,330,000	\$ 1,330,000	\$ 1,330,000	\$ 20,465,000	\$ 25,788,344	\$ -
Existing Facility - Rehab / Repair Deficiency Correction										
Diagonal Hwy Reconstruction: 28th St. to 30th St.	\$ 4,400,000	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000	\$ 1,000,000	\$ -
City Yards Frontage Site Preparation for Potential Pollard Relocation	1,225,000	-	125,000	1,100,000	-	-	-	1,225,000	-	-
Subtotal	\$ 5,625,000	\$ 3,400,000	\$ 125,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 4,625,000	\$ 1,000,000	\$ -
New Construction - Growth Related Facility Addition										
Boulder Junction - Development Coordination	\$ -	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 500,000	\$ -	\$ -
Boulder Junction - Junction PI Enhancements (Pearl to Goose Creek)	1,082,000	1,082,000	-	-	-	-	-	1,082,000	-	-
Boulder Junction Improvements	794,392	200,000	200,000	-	-	-	-	400,000	394,392	-
TIP Local Match/FasTracks Implementation II	-	725,000	725,000	715,000	715,000	715,000	715,000	4,310,000	-	-
Boulder Junction - Junction PI Enhancements (Goose Creek to Bluff)	877,000	-	-	877,000	-	-	-	877,000	-	-
Boulder Junction - Traffic Signal at Bluff Street and 30th Street	228,000	-	-	-	-	228,000	-	228,000	-	-
Boulder Junction - Traffic Signal at Junction Place and Valmont	304,000	-	-	-	-	304,000	-	304,000	-	-
Subtotal	\$ 3,285,392	\$ 2,132,000	\$ 1,000,000	\$ 1,667,000	\$ 790,000	\$ 1,322,000	\$ 790,000	\$ 7,701,000	\$ 394,392	\$ -
On-Going Projects										
Bikeway Facilities - Enhancements	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 750,000	\$ -	\$ -
Miscellaneous Development Coordination	-	50,000	50,000	50,000	50,000	50,000	50,000	300,000	-	-
Pedestrian Facilities - Repair, Replacement, ADA	-	629,000	629,000	629,000	629,000	629,000	629,000	3,774,000	-	-
Pedestrian Facilities Enhancements-Missing Links, Crossing Treatments	-	75,000	75,000	75,000	75,000	75,000	75,000	450,000	-	-
Tributary Greenways Program - Transportation - Transfer	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	-	-
Signal Maintenance and Upgrade	-	-	200,000	-	-	-	200,000	400,000	-	-
Subtotal	\$ -	\$ 976,500	\$ 1,176,500	\$ 976,500	\$ 976,500	\$ 976,500	\$ 1,176,500	\$ 6,259,000	\$ -	\$ -
Total	\$ 53,661,727	\$ 13,522,500	\$ 10,432,500	\$ 5,073,500	\$ 3,096,500	\$ 3,628,500	\$ 3,296,500	\$ 39,050,000	\$ 27,182,736	\$ -

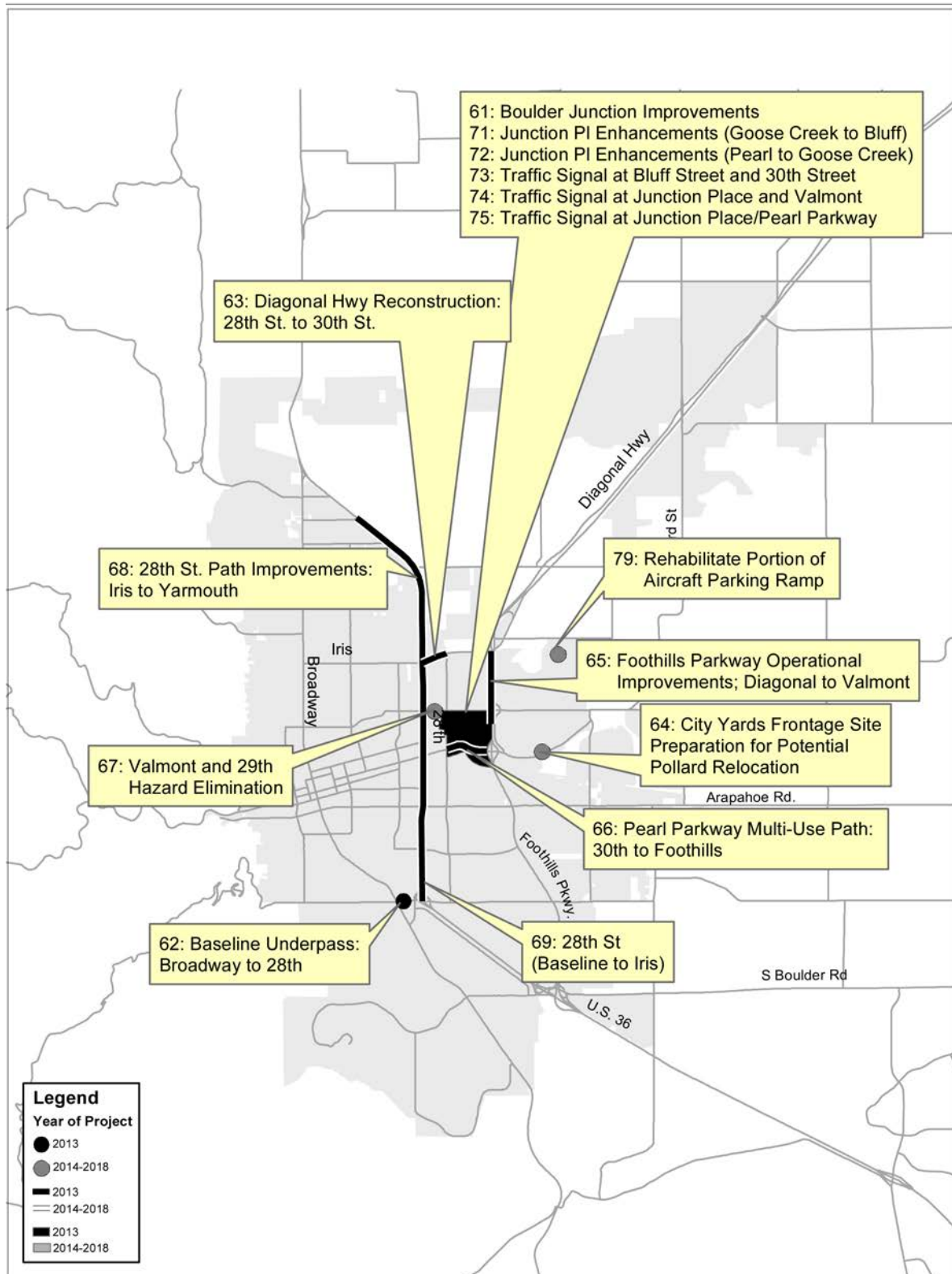
PUBLIC WORKS - MUNICIPAL AIRPORT

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Rehab/Repair/Deficiency Correction										
Rehabilitate Portion of Aircraft Parking Ramp	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -
Subtotal	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -
Total	\$ 631,579	\$ -	\$ -	\$ -	\$ 631,579	\$ -	\$ -	\$ 631,579	\$ -	\$ -



Capital Improvements Program 2013 — 2018

Public Works/Transportation Division & Municipal Airport



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Project Name: 28th St (Baseline to Iris) I

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	Multiple Subcommunities
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781743	Map Number:	69
CEAP Required:	Yes	CEAP Status:	2001 – Baseline to Arapahoe / 2002 – Pearl to Iris

Project Description

This funding is for improvements on the 28th Street corridor from Baseline to Iris. The multi-use path improvements on the west side of 28th from Baseline to Colorado are being constructed this year. Money is available for this project in prior year budgets. The next project planned in the 28th Street corridor is the "28th – Transit and multi-use path Improvements Project from Pearl to Valmont beginning construction in 2013. Improvements to the multi-use path on the west side will be funded with the Capital Bond – Transportation New Multi-Use Path Connections funding and this will be supplemented with money from this project for the third shared transit/bike lane.

The planning study and the CEAP for the southern section–Baseline to Arapahoe and the northern section–Pearl to Iris, are complete and have been approved by City Council. Recommended improvements include: Urban design, landscaping, streetscape improvements throughout the corridor; transit service and facility improvements including queue jumps, super stops and route modifications; bike and pedestrian facility improvements including constructing multi-use paths; adding raised crossing at free right turn lanes; traffic efficiency improvements including adding left turn lanes at various intersections and widening the Boulder Creek bridge. Funding for the northern and southern sections has been and continues to be included in this CIP and has been combined with federal funding and the Transportation Development Fund. Project funding began pre 1997 and will end post 2018. In addition, the BVRC Connections Plan addresses improvements in the middle section from Arapahoe to Pearl. Minor improvements were coordinated with the 29th St. development and the multi-use path on the west side of 28th is funded through the Capital Bond funds. Other improvements to the Arapahoe to Pearl section are not included in this CIP item.

Portions of the 28th Street corridor implementation completed to date include all of the south section from Arapahoe to Baseline once the west side of 28th between Colorado Ave. and Baseline Rd that is completed this year. In the north section from Pearl Street to Iris Avenue, the intersections at Iris Ave., Pearl St. and Valmont – s. to Bluff Street have been improved along with the installation of pedestrian crossings and bike/bus/right turning vehicle lanes in the vicinity of the intersections.

The 28th Street project has been included in the CIP as an ongoing funding program and is funded in both the Transportation Fund and the Transportation Development Fund.

Funding for the next project planned in the 28th Street corridor – the "28th – Transit and multi-use path Improvements Project from Pearl to Valmont that will begin construction in 2013.

Costs:

1. Planning: \$ 125,000
2. Acquisition: \$ 600,000
3. Construction: \$ 1,700,000

This project will be constructed with city funds only.

This section of the 28th Street on-going project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the Transportation Master Plan and the plan's focus on Multimodal Corridors. Multimodal corridors are the major transportation facilities which accommodate auto, bus, bicycle and pedestrian travel. The project will address and balance the needs of these modes. 28th Street – Iris to Arapahoe is the highest ranked multimodal corridor and 28th Street – Arapahoe to Baseline is the 3rd highest ranked corridor. The project achieves sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and reduces the demand for transportation energy use. There is flexibility in continuous funding to allow for projects to be implemented incrementally overtime. Every transportation project has some element of capital maintenance as some of the existing transportation assets are replaced and improved. And, the projects meeting legal mandates including ADA requirements and safety features.

Public Process Status, Issues



28th St (Baseline to Iris) I continued

The CEAP for the southern section – Baseline to Arapahoe and the northern section – Pearl to Iris– have been approved by City Council. Any of the middle section improvements from Arapahoe to Pearl, will implement the Council approved BVRC Connections Plan.

Relationship with Other Departments

This project requires coordination with the Utility Division for utility upgrades, with RTD, CDOT, CU, Arts Commission, the Planning Department and the Real Estate Division and with adjacent developments.

Change from Past CIP

Added 2018 funding – Replaced money transferred for north 28th – MUP match.

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$23,688,342	Project Cost Total	\$23,688,342
		Funding Total	(\$25,123,344)
Total Project Cost	\$23,688,342	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$19,963,344
Six Year Funding Plan	
2013	\$860,000
2014	\$860,000
2015	\$860,000
2016	\$860,000
2017	\$860,000
2018	\$860,000
Subtotal	\$5,160,000
Total Funding Plan	\$25,123,344

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: 28th St (Baseline to Iris) II

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	Multiple Subcommunities
Funding Source:	Transportation Develop	BVCPArea:	Area I
Project Number:	711019	Map Number:	69
CEAP Required:	Yes	CEAP Status:	2001 – Baseline to Arapahoe / 2002 – Pearl to Iris

Project Description

This funding is for improvements on the 28th Street corridor from Baseline to Iris. The multi-use path improvements on the west side of 28th from Baseline to Colorado are being constructed this year. Money is available for this project in prior year budgets. The next project planned in the 28th Street corridor is the "28th – Transit and multi-use path Improvements Project from Pearl to Valmont beginning construction in 2013. Improvements to the multi-use path on the west side will be funded with the Capital Bond – Transportation New Multi-Use Path Connections funding and this will be supplemented with money from this project for the third shared transit/bike lane.

The planning study and the CEAP for the southern section–Baseline to Arapahoe and the northern section–Pearl to Iris, are complete and have been approved by City Council. Recommended improvements include: Urban design, landscaping, streetscape improvements throughout the corridor; transit service and facility improvements including queue jumps, super stops and route modifications; bike and pedestrian facility improvements including constructing multi-use paths; adding raised crossing at free right turn lanes; traffic efficiency improvements including adding left turn lanes at various intersections and widening the Boulder Creek bridge. Funding for the northern and southern sections has been and continues to be included in this CIP and has been combined with federal funding and the Transportation Fund. Project funding began pre 1997 and will end post 2018. In addition, the BVRC Connections Plan addresses improvements in the middle section from Arapahoe to Pearl. Minor improvements were coordinated with the 29th St. development and the multi-use path on the west side of 28th is funded through the Capital Bond funds. Other improvements to the Arapahoe to Pearl section are not included in this CIP item.

Portions of the 28th Street corridor implementation completed to date include all of the south section from Arapahoe to Baseline once the west side of 28th between Colorado Ave. and Baseline Rd that is completed this year. In the north section from Pearl Street to Iris Avenue, the intersections at Iris Ave., Pearl St. and Valmont – s. to Bluff Street have been improved along with the installation of pedestrian crossings and bike/bus/right turning vehicle lanes in the vicinity of the intersections.

The 28th Street project has been included in the CIP as an ongoing funding program and is funded in both the Transportation Fund and the Transportation Development Fund.

Funding for the next project planned in the 28th Street corridor – the "28th – Transit and multi-use path Improvements Project from Pearl to Valmont that will begin construction in 2013.

Costs:

1. Planning: \$ 125,000
2. Acquisition: \$ 600,000
3. Construction: \$ 1,700,000

This project will be constructed city funds only.

This section of the 28th Street on-going project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the Transportation Master Plan and the plan's focus on Multimodal Corridors. Multimodal corridors are the major transportation facilities which accommodate auto, bus, bicycle and pedestrian travel. The project will address and balance the needs of these modes. 28th Street – Iris to Arapahoe is the highest ranked multimodal corridor and 28th Street – Arapahoe to Baseline is the 3rd highest ranked corridor. The project achieves sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and reduces the demand for transportation energy use. There is flexibility in continuous funding to allow for projects to be implemented incrementally overtime. Every transportation project has some element of capital maintenance as some of the existing transportation assets are replaced and improved. And, the projects meeting legal mandates including ADA requirements and safety features.



28th St (Baseline to Iris) II continued

Public Process Status, Issues

The CEAP for the southern section – Baseline to Arapahoe and the northern section – Pearl to Iris– have been approved by City Council. Any middle section improvements from Arapahoe to Pearl, will implement the Council Approved BVRC connections plan.

Relationship with Other Departments

This project requires coordination with the Utility Division for utility upgrades, with RTD, CDOT, CU, Arts Commission, the Planning Department and the Real Estate Division and w/ adjacent developments.

Change from Past CIP

Added 2018 Funding

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$4,673,993	Project Cost Total	\$4,673,993
		Funding Total	(\$4,741,000)
Total Project Cost	\$4,673,993	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$1,921,000
Six Year Funding Plan	
2013	\$470,000
2014	\$470,000
2015	\$470,000
2016	\$470,000
2017	\$470,000
2018	\$470,000
Subtotal	\$2,820,000
Total Funding Plan	\$4,741,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: 28th St. Path Improvements: Iris to Yarmouth

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	North Boulder
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781060	Map Number:	68
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project constructs a 10-foot wide, bi-directional path on the west side of US 36 from Iris Avenue to Fourmile Canyon Creek, a bicycle/pedestrian bridge over Fourmile Canyon Creek and on-street bike facility improvements from Iris to Yarmouth, including a roadway bridge widening as part of the project improvements. The city received federal funding in the last DRCOG TIP cycle for the 2011 to 2014 funding years. The city has also received federal funding for a separate project to construct an underpass at Wonderland Creek that is included in the Utility's CIP with a funding match from the flood utility. These two projects will be closely coordinated.

This project began in 2011.

Costs:

- 1. Planning: \$524,000
- 2. Acquisition: \$0
- 3. Construction: \$1,700,000

This project includes \$1,224,000 of outside funding from the DRCOG TIP process in federal funding and \$1,000,000 of city funding.

This project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

Relates to a primary goal of the Transportation Master Plan for completing the City's grid-based Bike System to provide safe connections and the opportunity for bike travel throughout the city for all levels of riders. This project was identified as part of the FLO update that was incorporated into the overall TMP. The project meets the sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and reduces the demand for transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced.

Public Process Status, Issues

This project was submitted to TAB and Council as a Transportation Improvement Project (TIP) prior to submitting it to DRCOG for federal funding. Staff will hold public meetings and meet with adjacent property owners to acquire input for the project. A CEAP will also be completed for this project.

Relationship with Other Departments

This project will be coordinated with Utilities for construction coordination of the two projects, utility relocations and drainage purposes, and Parks and Greenways at the Elks Park.

Change from Past CIP



28th St. Path Improvements: Iris to Yarmouth continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$2,224,000	Project Cost Total	\$2,224,000
		Funding Total	(\$2,224,000)
Total Project Cost	\$2,224,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$700,000
Six Year Funding Plan	
2013	\$200,000
2014	\$1,324,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,524,000
Total Funding Plan	\$2,224,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: Baseline Underpass: Broadway to 28th

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	South Boulder
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781059	Map Number:	62
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project constructs a grade separated crossing of Baseline Road east of Broadway (SH-93) and 10-foot wide, multi-directional path connections to the sidewalks at the location of the current pedestrian crossing signal and a connection to the Skunk Creek path to the south including improving the sidewalk along Broadway adjacent to the Basemar Center. The project also constructs multi-use path and bicycle lanes on Baseline Road in the vicinity of the underpass. The project will provide 20 bicycle parking spaces (10 of the spaces covered). The city received Faster funding from CDOT for design of this project and additional CDOT funding for the resurfacing of Baseline in this area. The city also received federal funding in the last DRCOG TIP cycle for the 2011 to 2014 funding years.

This project began in 2011.

Costs:

1. Planning: \$1,440,000 (Includes construction management)
2. Acquisition: \$260,000
3. Construction: \$3,700,000

This project includes outside funding from the federal DRCOG TIP process for \$4,046,000, state for \$800,000, and the local funding match is \$554,000.

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

This project is consistent with the Transportation Master Plan and the plan's focus on Multimodal Corridors. Multimodal corridors are the major transportation facilities which accommodate auto, bus, bicycle and pedestrian travel. The project will address and balance the needs of these modes. This project would be in the 28th Street – Arapahoe to Baseline multi-modal corridor which is the 3rd highest ranked corridor. The project meets the sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and reduces the demand for transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced. This project is also providing a safer crossing for pedestrians and removes an existing traffic signal that stops vehicles and creates more gas emissions. And, the project meets legal mandates with the construction elements and throughout the design and construction process and is leveraging external investments.

Public Process Status, Issues

This project was submitted to TAB and Council as a Transportation Improvement Project (TIP) prior to submitting it to DRCOG for federal funding. Staff will hold public meetings and meet with adjacent property owners to acquire input for the project. A CEAP will also be completed for this project. The project will be coordinated and designed with CU.

Relationship with Other Departments

This project will be coordinated with city and private utilities and with CU's facilities and utilities groups.

Change from Past CIP



Baseline Underpass: Broadway to 28th continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$5,400,000	Project Cost Total	\$5,400,000
		Funding Total	(\$5,400,000)
Total Project Cost	\$5,400,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$1,704,000
Six Year Funding Plan	
2013	\$1,234,000
2014	\$2,462,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$3,696,000
Total Funding Plan	\$5,400,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: Bikeway Facilities – Enhancements

Project at a Glance

Project Type:	On-Going Projects		
Department:	PW/ Transportation	Subcommunity:	Multiple Subcommunities
Funding Source:	Transportation Fund	BVCPArea:	Areas I & II
Project Number:	781692	Map Number:	
CEAP Required:	No	CEAP Status:	

Project Description

Bikeway facilities are included in most all transportation construction projects. This program provides additional funding for smaller bikeway projects and/or projects not specifically associated with other capital projects. The projects are prioritized and coordinated with the approved bikeway plan and represents an ongoing city program. Projects constructed will be consistent with the TMP Bicycle System Plan and the FastTracks Local Optimization (FLO) project and are prioritized yearly. This program also allows for construction of opportunistic improvements and construction of other identified bike projects. Types of projects include providing missing links and enhanced crossings such as underpasses and overpasses, eg., Boulder Creek/Boulder Community Hospital at 48th St. path and bridge crossing.

This project is for an ongoing funding program. In 2013, \$125k is planned to be spent on continuing planning and design work and permitting of the Confluence paths at the Confluence of Boulder Creek and South Boulder Creek to be constructed with CDOT's wetland mitigation project in future years.

Relationship to Guiding Principles

Relates to a primary goal of the Transportation Master Plan for completing the City's grid-based Bike System to provide safe connections and the opportunity for bike travel throughout the city for all levels of riders. Most projects implemented with this funding were identified in the TMP, as part of the FLO update that was incorporated into the overall TMP. The project meets the sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and reduces the demand for transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced.

Public Process Status, Issues

The Public Process for each project will vary. Some projects, depending on the complexity, may require a CEAP. A public meeting was held for the Confluence path projects as part of the CDOT wetlands mitigation in this same general area.

Relationship with Other Departments

This program is coordinated with other departments depending on the particular project. Currently projects are being coordinated with the Greenways program and the Open Space Dept. Additionally, the confluence path project will be coordinated with CDOT's US36 Wetlands Mitigation Project in this same area, the Open Space/Mountain Parks Department and Boulder County.

Change from Past CIP



Bikeway Facilities – Enhancements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$750,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$125,000
2014	\$125,000
2015	\$125,000
2016	\$125,000
2017	\$125,000
2018	\$125,000
Subtotal	\$750,000
Total Funding Plan	\$750,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: Boulder Junction – Development Coordination

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: PW/ Transportation **Subcommunity:** Crossroads
Funding Source: Boulder Junction Improve **BVCPArea:** Area I
Project Number: **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

This project is necessary as part of implementation and coordination associated with the Key Public Improvements as part of the Transit Village Area Plan (TVAP) – Implementation Plan, and related private development in the area. This project includes base topographic and parcel mapping for the entire Phase 1 TVAP area, conceptual design and cost estimate updates for identified and unidentified possible Key Public Improvements, engineering support, Pearl electrical undergrounding costs and coordination, and coordination of various public improvements with area private development projects. Prior 2011 funding of \$194,000 from Transportation is being transferred into this project.

This project is for an ongoing funding program.

In 2013, \$125,000 will be spent on various items in coordination with private development including: Pearl electrical undergrounding, coordination with 3100 Pearl and Depot Square developments, supporting public infrastructure concept design, city staff time, and other items unable to be identified at this time.

Relationship to Guiding Principles

This project supports the TVAP Implementation Plan, and includes supporting coordination for various public infrastructure that supports redevelopment in the area and implements improvements in the TVAP Connections Plan and adopted Transportation Master Plan.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3-year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council.

Relationship with Other Departments

The TVAP was a coordinated multi-department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit-Oriented Development and future Northwest Rail facilities.

Change from Past CIP



Boulder Junction – Development Coordination continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$0	Project Cost Total	\$0
		Funding Total	(\$500,000)
Total Project Cost	\$0	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$125,000
2014	\$75,000
2015	\$75,000
2016	\$75,000
2017	\$75,000
2018	\$75,000
Subtotal	\$500,000
Total Funding Plan	\$500,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: N/A
 Additional Annual O&M Description:
 None



Project Name: Boulder Junction – Junction Pl Enhancements (Goose Creek to Bluff)

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions

Department: PW/ Transportation **Subcommunity:** Crossroads

Funding Source: Boulder Junction Improve **BVCPArea:** Area I

Project Number: **Map Number:** 71

CEAP Required: No **CEAP Status:**

Project Description

This project was included in the list of Key Public Improvements for public funding as part of the Transit Village Area Plan (TVAP) – Implementation Plan. This project includes the "enhancement" of this section of Junction Place, over and above the standard "collector" classification roadway required of the private development. The exact nature of the enhancement is still being defined, but is anticipated to include items such as: bike lanes, and possible enhancements to 1) street and sidewalk surface materials, 2) landscaping, 3) streetscape elements and other possible items. These improvements will be negotiated during private development reviews, and anticipated to be coordinated with the required construction of this section of Junction Place by a developer, with applicable "enhancement" costs paid by the City.

The start of this project timing is uncertain, but for funding purposes is assumed to begin in 2015. (Timing dependent on uncertain possible redevelopment of adjoining properties and Northwest Commuter Rail implementation)

Costs: \$ 877,000

- 1. Planning: \$ 88,000 (Primary design anticipated by developer, coordinated with City)
- 2. Acquisition: \$ 0 (No land/easement acquisition costs anticipated)
- 3. Construction: \$ 789,000 (Enhancements only)

This project construction timing is uncertain, but for funding purposes is assumed to occur in 2015. (Timing dependent on uncertain possible redevelopment of adjoining properties and Northwest Commuter Rail implementation)

Relationship to Guiding Principles

This project conforms to the TVAP Implementation Plan, the TVAP Connections Plan, and enhances a roadway included as a part of the current adopted Transportation Master Plan.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3-year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council.

Relationship with Other Departments

The TVAP was a coordinated multi-department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit-Oriented Development and future Northwest Rail facilities.

Change from Past CIP



Boulder Junction – Junction PI Enhancements (Goose Creek to Bluff) continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$877,000	Project Cost Total	\$877,000
		Funding Total	(\$877,000)
Total Project Cost	\$877,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$877,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$877,000
Total Funding Plan	\$877,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs. Biggest operating cost uncertainty could be maintenance of possible permeable pavers.



Project Name: Boulder Junction – Junction Pl Enhancements (Pearl to Goose Creek)

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions

Department: PW/ Transportation **Subcommunity:** Crossroads

Funding Source: Boulder Junction Improve **BVCPArea:** Area I

Project Number: **Map Number:** 72

CEAP Required: No **CEAP Status:**

Project Description

This project was included in the list of Key Public Improvements for public funding as part of the Transit Village Area Plan (TVAP) – Implementation Plan. This project includes the "enhancement" of this section of Junction Place, over and above the standard "collector" classification roadway required of the private development. The exact nature of the enhancement is still being defined, but is anticipated to include items such as: bike lanes, and possible enhancements to 1) street and sidewalk surface materials, 2) landscaping, 3) streetscape elements and other possible items. These improvements will be negotiated during private development reviews, and anticipated to be coordinated with the required construction of this section of Junction Place by a developer, with applicable "enhancement" costs paid by the City.

This project will begin in 2013. (Timing dependent on planned redevelopment for RTD–owned property– Depot Square development)
Costs: \$ 1,082,000

- 1. Planning: \$ 55,000 (Primary design anticipated by developer, coordinated with City)
- 2. Acquisition: \$ 0 (No land/easement acquisition costs anticipated)
- 3. Construction: \$ 1,027,000 (Enhancements only)

The project is anticipated to complete construction in 2013. (Timing dependent on planned redevelopment for RTD–owned property)

Relationship to Guiding Principles

This project conforms to the TVAP Implementation Plan, the TVAP Connections Plan, and enhances a roadway included as a part of the current adopted Transportation Master Plan.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3–year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council. An amendment to the TVAP Connections Plan was approved by Planning Board and City Council in Jan. 2012 to allow a Shared Street "Pilot" project in this segment of Junction Place.

Relationship with Other Departments

The TVAP was a coordinated multi–department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit–Oriented Development and future Northwest Rail facilities.

Change from Past CIP

Increase in estimated City "Enhancement" Costs for shared street, other.



Boulder Junction – Junction PI Enhancements (Pearl to Goose Creek) continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,082,000	Project Cost Total	\$1,082,000
		Funding Total	(\$1,082,000)
Total Project Cost	\$1,082,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$1,082,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,082,000
Total Funding Plan	\$1,082,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs. Biggest operating cost uncertainty could be maintenance of possible permeable pavers.



Project Name: Boulder Junction – Traffic Signal at Bluff Street and 30th Street

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: PW/ Transportation **Subcommunity:** Crossroads
Funding Source: Boulder Junction Improve **BVCPArea:** Area I
Project Number: **Map Number:** 73
CEAP Required: No **CEAP Status:**

Project Description

This project was included in the list of Key Public Improvements for public funding as part of the Transit Village Area Plan (TVAP) – Implementation Plan. This project includes fronting the cost of a traffic signal installation at the intersection of Bluff Street and 30th Street. Possible reimbursement for a portion of these City funds may be obtained from private area redevelopment. The improvements will be phased with the private development in this area.

This project will begin in 2017. (Timing dependent on planned area redevelopment)

Costs: \$ 228,000

1. Planning: \$ 25,000 (Primary design anticipated by Developer, coordinated with City)
2. Acquisition: \$ 0 (No land/easement acquisition costs anticipated)
3. Construction: \$ 203,000

The project is anticipated to complete construction in 2017. (Timing dependent on planned area redevelopment)

Relationship to Guiding Principles

This project conforms to the TVAP Implementation Plan, the TVAP Connections Plan, and completes transportation infrastructure included as a part of the current adopted Transportation Master Plan.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3-year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council.

Relationship with Other Departments

The TVAP was a coordinated multi-department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit-Oriented Development and future Northwest Rail facilities.

Change from Past CIP

Updated cost estimate



Boulder Junction – Traffic Signal at Bluff Street and 30th Street continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$228,000	Project Cost Total	\$228,000
		Funding Total	(\$228,000)
Total Project Cost	\$228,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$228,000
2018	\$0
Subtotal	\$228,000
Total Funding Plan	\$228,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs.



Project Name: Boulder Junction – Traffic Signal at Junction Place and Valmont

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: PW/ Transportation **Subcommunity:** Crossroads
Funding Source: Boulder Junction Improve **BVCPArea:** Area I
Project Number: **Map Number:** 74
CEAP Required: No **CEAP Status:**

Project Description

This project was included in the list of Key Public Improvements for public funding as part of the Transit Village Area Plan (TVAP) – Implementation Plan. This project includes fronting the cost of a traffic signal installation at the intersection of proposed Junction Place and Valmont Road. Possible reimbursement for a portion of these City funds may be obtained from private area redevelopment. The improvements will be phased with the private development in this area.

This project will begin in 2017. (Timing dependent on planned area redevelopment)

Costs: \$ 304,000

1. Planning: \$ 25,000 (Primary design anticipated by Developer, coordinated with City)
2. Acquisition: \$ 0 (No land/easement acquisition costs anticipated)
3. Construction: \$ 279,000

The project is anticipated to complete construction in 2017. (Timing dependent on planned area redevelopment)

Relationship to Guiding Principles

This project conforms to the TVAP Implementation Plan, the TVAP Connections Plan, and completes transportation infrastructure included as a part of the current adopted Transportation Master Plan.

Public Process Status, Issues

The development and adoption of the TVAP was the result of a 3-year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council.

Relationship with Other Departments

The TVAP was a coordinated multi-department effort between Planning, Public Works (Transportation and Utilities), Housing and Human Services, Parks and Recreation, Downtown & University Hill Management Divisions & Parking Services and other departments. These departments continue to collaborate on private development coordination issues in Boulder Junction, implementation of Key Public Improvements and coordination with RTD on the development of a bus transfer facility/possible Transit-Oriented Development and future Northwest Rail facilities.

Change from Past CIP

Updated cost estimate



Boulder Junction – Traffic Signal at Junction Place and Valmont continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$304,000	Project Cost Total	\$304,000
		Funding Total	(\$304,000)
Total Project Cost	\$304,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$304,000
2018	\$0
Subtotal	\$304,000
Total Funding Plan	\$304,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs.



Project Name: Boulder Junction Improvements

Project at a Glance

Project Type:	New Construction – Growth Related Facility / Additions		
Department:	PW/ Transportation	Subcommunity:	Crossroads
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781053	Map Number:	61
CEAP Required:	No	CEAP Status:	

Project Description

This CIP project provides the city's share of funding from the Transportation Fund for transportation facilities in the Transit Village Area Plan (TVAP), currently referred to as Boulder Junction. The city's share of these improvements pays for improvements with community wide benefits or enhancements beyond those required of development. These improvements will be phased with the redevelopment of the area over many years. The city's share of funding will contribute to construction of an enhanced Junction Place as a new collector, bike lanes and pedestrian amenities on Junction Place, multiuse paths, underpasses and connections, pedestrian connections, pedestrian lighting, and traffic signals.

This project is for ongoing funding until 2014. In 2013, this transportation money will be used to supplement the amount needed for key public improvements that were identified in the Transit Village Implementation Plan. There are many other funding sources for these projects as identified in the "Boulder Junction Fund – 250," and Capital Improvement bond funding passed in late 2011.

Relationship to Guiding Principles

The TVAP contains a detailed connections plan and streetscape guidelines. The improvements that will be constructed as part of this project are specifically identified and costed out in the TVAP.

Public Process Status, Issues

The TVAP was the result of a three year planning process that included design charrettes, open houses and numerous meetings with property owners in the area. The plan was approved by Planning Board and City Council, with recent amendment to the plan in early 2012 for the Pearl Parkway Multiway Boulevard, and amendments to Junction Place street segments.

Relationship with Other Departments

The TVAP was a joint effort between the Planning, Public Works and Housing and Human Services Departments. These departments continue to be involved with the implementation activities of the plan. The city will also coordinate with RTD in the construction of the RTD facility to be located in this area.

Change from Past CIP



Boulder Junction Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$794,392	Project Cost Total	\$794,392
		Funding Total	(\$794,392)
Total Project Cost	\$794,392	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$394,392
Six Year Funding Plan	
2013	\$200,000
2014	\$200,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$400,000
Total Funding Plan	\$794,392

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Operating Fund

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: City Yards Frontage Site Preparation for Potential Pollard Relocation

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Transportation	Subcommunity:	East Boulder
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781042	Map Number:	64
CEAP Required:	No	CEAP Status:	

Project Description

This project reflects the Transportation Department's commitments in the city's contract with the Pollard's to prepare the City Maintenance Yards frontage along Pearl Parkway for Pollard business relocation if they exercise their option to purchase the Yards frontage. In addition, these site changes/improvements are in alignment with the Yards Master Plan. The site preparation includes (with approximate timing which will depend on the Pollard's notice of taking possession of the site): 2007 to 2009: power line design and relocation which has been completed; any necessary utility relocations; one year prior to Pollard relocation: prairie dog mitigation and site grading and fencing. Revenues associated with the future sale of Yards frontage property are anticipated to fully offset these expenses.

This project provides funds to prepare the city yards frontage for the potential Pollard relocation per the option agreement between the Pollard's and the city. In 2012, there is no funding. The funding starts in 2014 to correspond with the time-frame listed in the option agreement.

Relationship to Guiding Principles

As identified in the 2003 Transportation Master Plan – Transit Policies, the city will improve transit access through a variety of capital improvements including the Boulder Transit Village, transit priority lanes, transit super stops, improved bike parking and continuous pedestrian connections. This project works towards the implementation of the Transit Village.

Public Process Status, Issues

None Required. Improvements will occur entirely on city Maintenance Yard site. Any prairie dog impacts will be in accordance with the city's ordinances and policies.

Relationship with Other Departments

This project will be coordinated with the Wildlife Coordinator, Utilities, Fleet, and Parks maintenance.

Change from Past CIP



City Yards Frontage Site Preparation for Potential Pollard Relocation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,225,000	Project Cost Total	\$1,225,000
		Funding Total	(\$1,225,000)
Total Project Cost	\$1,225,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$125,000
2015	\$1,100,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,225,000
Total Funding Plan	\$1,225,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source:

Additional Annual O&M Description:

Property will be sold to the Pollard's – no on-going operating costs after sale of property.



Project Name: Diagonal Hwy Reconstruction: 28th St. to 30th St.

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Transportation	Subcommunity:	Crossroads
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781057	Map Number:	63
CEAP Required:	Yes	CEAP Status:	

Project Description

This project reconstructs Diagonal Highway (SH 119) from 28th St/US 36 to east of 30th St including new curb & gutter, medians, bicycle lanes, multi-use path, sidewalks (8 ft min.), and transit stop bus pads and other amenities, including bike and transit. Buffer areas of at least 6 feet between the curb and sidewalk will be installed with landscaping and trees. Sidewalk connections to the Diagonal Plaza will be installed. The left turn lanes at the intersections will be extended to address operational issues. The city received federal funding in the last DRCOG TIP cycle for the 2011 to 2014 funding years and CDOT partnered on the match funding .

This project began in 2011.

Costs:

1. Planning: \$1,100,000
2. Acquisition: \$100,000
3. Construction: \$3,200,000

This project includes \$3,200,000 of outside funding from \$2,800,000 federal, \$400,000 state and \$1,200,000 for city funds.

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This program is consistent with the Transportation Master Plan which places high priority on transportation system preservation and will reduce the maintenance costs and needs on the system. System maintenance is listed as the highest priority in transportations budget guiding principles. And, this project is a major improvement to the existing system. The project achieves sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and reduces the demand for transportation energy use. And, the project meets legal mandates with the construction elements and throughout the design and construction process and is leveraging external investments.

Public Process Status, Issues

This project was submitted to TAB and Council as a Transportation Improvement Project (TIP) prior to submitting it to DRCOG for federal funding. Staff will hold public meetings and meet with adjacent property owners to acquire input for the project. A CEAP will also be completed for this project.

Relationship with Other Departments

Coordinate with the Planning Department including any potential redevelopment of Diagonal Plaza; city and private utility companies on upgrading facilities prior to reconstruction; and CDOT as it is a state highway and they are partially funding this project.

Change from Past CIP



Diagonal Hwy Reconstruction: 28th St. to 30th St. continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$4,400,000	Project Cost Total	\$4,400,000
		Funding Total	(\$4,400,000)
Total Project Cost	\$4,400,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$1,000,000
Six Year Funding Plan	
2013	\$3,400,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$3,400,000
Total Funding Plan	\$4,400,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project will result in cost savings in maintenance to the pavement as it is being replaced. It may result in minimal incremental increases in on-going maintenance costs for any new facilities. Costs will be programmed in the Transportation Fund budget.



Project Name: Foothills Parkway Operational Improvements; Diagonal to Valmont

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	East Boulder
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781058	Map Number:	65
CEAP Required:	No	CEAP Status:	

Project Description

This project extends the third southbound lane on Foothills Parkway from the Diagonal Highway to south of Valmont Road. Install bike racks and a bench at the Valmont/Foothills transit stop. Incorporate raised pedestrian crossings at the northwest and southwest corners of the Valmont intersection. The city received federal funding in the last DRCOG TIP cycle for the 2011 to 2013 funding years and CDOT partnered on the match funding .

This project began in 2011.

Costs:

1. Planning: \$250,000

2. Acquisition: \$ 0

3. Construction: \$500,000

This project includes \$675,000 of outside funding from \$600,000 federal, \$75,000 state and \$75,000 of local funds. The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

Transportation operational projects are a lower priority in the TMP but this project can be completed at a low cost to the city with the federal and state funding participation and results in a very small percentage of the overall transportation and CIP budget. The project also provides some small pedestrian and bike improvements which are a high priority in the transportation master plan. And, the project meets legal mandates with the construction elements and throughout the design and construction process and is leveraging external investments.

Public Process Status, Issues

There will be at least one public meeting for this project. This project will be coordinated with CDOT as it is located on a CDOT facility.

Relationship with Other Departments

This project will be coordinated with the utility department if any relocations are required.

Change from Past CIP



Foothills Parkway Operational Improvements; Diagonal to Valmont continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$750,000	Project Cost Total	\$750,000
		Funding Total	(\$750,000)
Total Project Cost	\$750,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$250,000
Six Year Funding Plan	
2013	\$500,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$500,000
Total Funding Plan	\$750,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: N/A

Additional Annual O&M Description:

Very minor additional maintenance costs to take care of the additional width for this improvement which can be handled with existing staff.



Project Name: Miscellaneous Development Coordination

Project at a Glance

Project Type: On-Going Projects
Department: PW/ Transportation **Subcommunity:** Multiple Subcommunities
Funding Source: Transportation Develop **BVCPArea:** Area I
Project Number: 711004 **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

This CIP funding is intended to construct infrastructure improvements in coordination with or prompted by potential private development. Throughout the year situations arise where infrastructure improvements are required in the vicinity of a proposed development, should be made at the same time as the development and for which a developer can not be required to construct. Improvements that are typically included are bike and pedestrian, functional efficiency, safety, system preservation, and transit system improvements. Project funding is ongoing. This project is growth related because it addresses needs from new development.

This project is for an ongoing funding program. In 2013, the money will be used for issues that arise during the year that are small items required to be constructed as a result of development or to coordinate with a development project. The projects are not known at this time.

Relationship to Guiding Principles

Major goals in the Transportation Master Plan include system preservation, safety, bike, pedestrian and auto functional efficiency projects. The project meets the guiding principle of allowing flexibility to respond to emerging needs as this money is used to fund improvements that arise because of new development projects and usually include connections to existing facilities that are outside the development requirements.

Public Process Status, Issues

Projects generally require coordination with adjacent neighborhoods and property owners.

Relationship with Other Departments

Close coordination with the Development Review work group and the Planning Department is required.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost

Total Project Cost

Unfunded Amount

Unfunded Amount

Project Cost Total

Funding Total

(\$300,000)

Total Unfunded

\$0

Capital Funding Plan

Funding Prior to 2013 **\$0**

Six Year Funding Plan

2013 \$50,000
 2014 \$50,000
 2015 \$50,000
 2016 \$50,000
 2017 \$50,000
 2018 \$50,000

Subtotal **\$300,000**

Total Funding Plan **\$300,000**



Miscellaneous Development Coordination continued

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: Pearl Parkway Multi-Use Path: 30th to Foothills

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	East Boulder
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781056	Map Number:	66
CEAP Required:	Yes	CEAP Status:	

Project Description

The project includes improvements to the north side of Pearl Parkway consisting of the portion of proposed Pearl Multiway Boulevard (30th–railroad) and a minimum 10 ft wide, multi-use path extending from the railroad to Foothills Parkway. A bicycle/pedestrian bridge over the Boulder Slough (large drainage channel) or modifications to the existing structure will be required. The multiuse path along the segment from east of the railroad to Foothills Pkwy parallels the Boulder Slough, requiring underground drainage structures and/or structural walls along the channel. The path from 30th Street to west of the railroad is adjacent to the Phase 1 Boulder Junction area and the proposed Depot Square development. This project helps to fund the path that is adjacent to the housing and the RTD parcels on Boulder Junction adjacent to Pearl Street. The city received federal funding in the last DRCOG TIP cycle for the 2011 to 2013 funding years.

This project will begin in 2011.

Costs:

1. Planning: \$1,060,000
2. Acquisition: \$ 10,000
3. Construction: \$3,930,000

This project includes \$4,000,000 of federal funding acquired through the DRCOG TIP process and \$1,000,000 of city funding.

The project is anticipated to complete construction in early 2014.

Relationship to Guiding Principles

As identified in the TMP – Transit Policies, the city will improve transit access through a variety of capital improvements including the Boulder Transit Village. This project is to help fund a portion of a project within the Boulder Transit Village Area. It also relates to a primary goal of the Transportation Master Plan for completing the City's grid-based Bike System to provide safe connections and the opportunity for bike travel throughout the city for all levels of riders. This project was identified as part of the FLO update that was incorporated into the overall TMP. The project meets the sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and demand transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced. And, the project meets legal mandates with the construction elements and throughout the design and construction process and is leveraging external investments.

Public Process Status, Issues

This project was submitted to TAB and Council as a Transportation Improvement Project (TIP) prior to submitting it to DRCOG for federal funding. It is also part of the Boulder Transit Village Area Plan that went through an extensive process. Staff held significant public process, including TAB, Planning Board and Council action in late 2011 and early 2012 related to TVAP Connections Plan changes to support the planned Pearl Multiway Boulevard, and other area changes. Staff will hold public meetings and meet with adjacent property owners to acquire input for the project segment between the railroad and Foothills Parkway, and a CEAP will also be completed for that segment of this project.

Relationship with Other Departments

This project will be coordinated with the Boulder Junction planning process including planning and housing. And, it will be coordinated with Utilities as it relates to the drainage ditch on the east end.

Change from Past CIP

Project Federal Funding was increased and accelerated to FY2013 by DRCOG



Pearl Parkway Multi-Use Path: 30th to Foothills continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$5,000,000	Project Cost Total	\$5,000,000
		Funding Total	(\$5,000,000)
Total Project Cost	\$5,000,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$1,250,000
Six Year Funding Plan	
2013	\$3,750,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$3,750,000
Total Funding Plan	\$5,000,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Project will result in some added O & M costs for city maintenance of the parking and access lane of the Pearl Multiway Boulevard (30th-RR), and maintenance of a new multiuse path extension from the RR to Foothills Parkway. These incremental increases in on-going maintenance costs will be programmed in the Transportation Fund budget.



Project Name: Pedestrian Facilities – Repair, Replacement, ADA

Project at a Glance

Project Type:	On-Going Projects		
Department:	PW/ Transportation	Subcommunity:	Multiple Subcommunities
Funding Source:	Transportation Fund	BVCPArea:	Areas I & II
Project Number:	781773	Map Number:	0
CEAP Required:	No	CEAP Status:	

Project Description

This ongoing program allows for repair, replacement and construction of existing and new sidewalks, and construction of access ramps. Emphasis of this program is given to existing sidewalk repair. Sidewalk repair priorities have been established in the Sidewalk Repair Program and yearly funding is spent accordingly. In 2012, \$629,000 will be spent on design, surveys, project management, and construction for the 2012 Annual Sidewalk Repair Program for improvements in the downtown area roughly from 9th Street to 17th Street and from Arapahoe to Spruce. In 2013 the funds will be spent to complete the downtown area and if completed, start work in the area west of Broadway between Arapahoe and Baseline. Compliance with ADA is resulting in additional expenditures for access ramps and driveway modifications. Project funding is ongoing.

This project is for an ongoing funding program.

Relationship to Guiding Principles

This program is consistent with the Transportation Master Plan which places high priority on transportation system preservation and on providing improvements to pedestrian facilities. System maintenance is listed as the highest priority transportation investment in the Investment Policies in the TMP. The project meets the sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and demand transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced.

Public Process Status, Issues

A neighborhood meeting is held for the identified repair area owners in advance of the work starting and individual notices are mailed out yearly to the adjacent property owners.

Relationship with Other Departments

Coordination with the Parks Department – City Forester is required adjacent to street trees. Coordination with the city Utility Division regarding water meter location is also required. The work in the downtown area will be coordinated with DUHMD and the Parks Department.

Change from Past CIP



Pedestrian Facilities – Repair, Replacement, ADA continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$3,774,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$629,000
2014	\$629,000
2015	\$629,000
2016	\$629,000
2017	\$629,000
2018	\$629,000
Subtotal	\$3,774,000
Total Funding Plan	\$3,774,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 Funding Source:

Additional Annual O&M Description:

Adjacent property owners are generally responsible for sidewalk maint. This project does reduce some need to place temporary asphalt patches on sidewalks.



Project Name: Pedestrian Facilities Enhancements–Missing Links, Crossing Treatments

Project at a Glance

Project Type:	On-Going Projects		
Department:	PW/ Transportation	Subcommunity:	Multiple Subcommunities
Funding Source:	Transportation Fund	BVCPArea:	Areas I & II
Project Number:	781002	Map Number:	0
CEAP Required:	No	CEAP Status:	

Project Description

The Pedestrian Facilities program includes the installation of missing sidewalk links and pedestrian crossing/safety treatments and potentially social paths and sidewalk widenings. The list of identified missing sidewalk links has been prioritized for construction. Crossing treatment improvements are prioritized citywide and include median refuge islands, crosswalk lighting, flashing signs, neck-downs, signing, lighting and/or pedestrian signals. The Pedestrian Crossing Treatment Installation Guidelines (PCTIG) were updated in 2012. The approved Pedestrian Crossing Treatment guidelines will be used to evaluate future pedestrian crossing treatment.

This project is for an ongoing funding program. In 2013, the money will be spent on completing missing links on LeHigh Drive from Galena Drive south to the OSMP trail head. It will also be spent on pedestrian crossing treatments at the next highest identified pedestrian crossing location at Range Drive north of Arapahoe and Valmont/Edgewood Drive at 24th Street.

Relationship to Guiding Principles

According to the Pedestrian Policy Plan of the 2003 Transportation Master Plan, an intermittent pedestrian system that strands pedestrians at the end of unfinished sidewalks or forces them into awkward traverses or hazardous street crossings discourages walking. In an effort to increase pedestrian activity and encourage walking as the basis of all means of travel, a completed sidewalk system is necessary. Adding features to the pedestrian network such as missing sidewalks links and pedestrian crossing /safety improvements is consistent with the Transportation Master Plan. The project meets the sustainability goals by providing alternative travel choices that when used reduce green house gas emissions and demand transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced.

Public Process Status, Issues

TAB approved the Proposed Prioritized list of Missing Sidewalk Links on May 10, 2004. TAB made a recommendation to support the use of the Pedestrian Crossing Treatment Installation Guidelines in 2005 and the document went to the City Council as information item in 2006. These guidelines were updated in 2012.

The Public Process for installing missing sidewalks links is on-going and may involve a process for one or more locations per year. Staff works with neighborhoods and adjacent property owners on individual improvements.

Relationship with Other Departments

Coordination with the Parks Department – City Forester is required and the utilities department if there are utility conflicts.

Change from Past CIP



Pedestrian Facilities Enhancements—Missing Links, Crossing Treatments continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$450,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$75,000
2014	\$75,000
2015	\$75,000
2016	\$75,000
2017	\$75,000
2018	\$75,000
Subtotal	\$450,000
Total Funding Plan	\$450,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Transportation Fund Operating Budget

Additional Annual O&M Description:

Adjacent property owners are responsible for sidewalk maintenance by code. Crossing treatments have minimal maintenance requirements.



Project Name: Signal Maintenance and Upgrade

Project at a Glance

Project Type: On-Going Projects
Department: PW/ Transportation **Subcommunity:** System-wide
Funding Source: Transportation Develop **BVCPArea:** System-wide
Project Number: 7110xx **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

The Signal Maintenance and Upgrade project is used for the installation of new traffic signals and upgrades. Due to revenue decreases, funding for this function has been reduced over time. Budgeting as a capital project at \$200,000 every four years as opposed to budgeting one-quarter of this amount every year is consistent with the project implementation.

This project is for an ongoing funding program. In 2013, there is no money allocated for this program. The next time there will be funding will be in 2014 and a location for a new signal installation or upgrade will be identified prior to 2014.

Relationship to Guiding Principles

The goal of the TMP is to provide a multi-modal transportation system. Installation of traffic signals provide access to and across multi-modal corridors for pedestrians, bikes, automobiles and transit.

Public Process Status, Issues

The public process associated with new traffic signal installations is determined by the location of the new signal and the availability of other alternatives to address the issues to be addressed by the signal installation.

Relationship with Other Departments

New traffic signal installations are coordinated with Xcel Energy, which provides power to operate traffic signals.

Change from Past CIP

Estimated Total Cost

Project Cost

Project Cost

Total Project Cost

Unfunded Amount

Unfunded Amount

Project Cost Total

Funding Total

(\$400,000)

Total Unfunded

\$0

Capital Funding Plan

Funding Prior to 2013 **\$0**

Six Year Funding Plan

2013 \$0
 2014 \$200,000
 2015 \$0
 2016 \$0
 2017 \$0
 2018 \$200,000

Subtotal **\$400,000**

Total Funding Plan **\$400,000**



Signal Maintenance and Upgrade continued

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Existing operating budgets

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation Fund budget.



Project Name: TIP Local Match/FasTracks Implementation II

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: PW/ Transportation **Subcommunity:** System-wide
Funding Source: Transportation Fund **BVCPArea:** Areas I & II
Project Number: 781052 **Map Number:** 0
CEAP Required: No **CEAP Status:** As appropriate

Project Description

Funding is for coordination with the FasTracks implementation including bike and pedestrian improvements and transit amenities. This money will be used as local match to leverage against potential federal and state funding for projects submitted in future year's DRCOG TIP submittal process, other funding match opportunities that may arise, or for smaller projects identified through the FasTracks local optimization (FLO) process. This project is growth related because it will be coordinated with development in the area of the FasTracks facilities. If the city succeeds at acquiring federal funded project funds this money is used as the match money that is then transferred into the separate project budgets and is added to the federal or state match funding.

This project has ongoing funding.

Relationship to Guiding Principles

In reference to the FasTracks Implementation projects, and as identified in the Transportation Master Plan Update Transit Policies and the Transit Village Area Plan, the city will focus on transit access through a variety of capital improvements including the Boulder Transit Village, transit priority lanes, transit super stops, improved bike parking and continuous pedestrian connections. And, the project allows flexibility to apply for future leveraged funding opportunities that will meet legal mandates with the construction elements and throughout the design and construction process and work towards future opportunities to leverage external investments.

Public Process Status, Issues

Public Process, CEAP and design to be determined in relationship to specific projects.

Relationship with Other Departments

As the projects are refined necessary interdepartmental coordination will be identified.

Change from Past CIP

Funding added to 2013 and 2014

Estimated Total Cost

Project Cost

Project Cost

Total Project Cost

Unfunded Amount

Unfunded Amount

Project Cost Total

Funding Total

(\$4,310,000)

Total Unfunded

\$0

Capital Funding Plan

Funding Prior to 2013 **\$0**

Six Year Funding Plan

2013 \$725,000
 2014 \$725,000
 2015 \$715,000
 2016 \$715,000
 2017 \$715,000
 2018 \$715,000

Subtotal **\$4,310,000**

Total Funding Plan **\$4,310,000**



TIP Local Match/FasTracks Implementation II continued

Additional Annual Operations and Maintenance

Additional Annual O&M:

Funding Source:

Additional Annual O&M Description:

N/A



Project Name: Tributary Greenways Program – Transportation – Transfer

Project at a Glance

Project Type: On-Going Projects
Department: PW/ Transportation **Subcommunity:** Multiple Subcommunities
Funding Source: Transportation Fund **BVCPArea:** System-wide
Project Number: 781630 **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

The program is intended to improve and protect the many riparian corridors that pass through the city. Elements of this work also advance a primary goal of the TMP by providing pedestrian and bicycle facilities and encouraging the modal shift from automobiles to alternative modes of transportation. Improvements include pedestrian/bicycle paths, drainage and flood control structures, and preservation and enhancement of natural features. A portion of the capital funding for this program was shifted to needed maintenance of existing system beginning in 2002. In 2012 the money for maintenance was moved to an operating budget. See Greenways CIP/Budget section.

This project is for an ongoing funding program. In this budget year, the funding will provide transportation's contribution to the overall greenways program and funding will be opportunistic and prioritized with the other funding in the Greenways CIP. These funds will be combined with funding from the Stormwater and Flood Management Utility Fund and the Lottey Fund.

Relationship to Guiding Principles

These projects will advance a primary goal of the Transportation Master Plan by providing pedestrian and bicycle facilities to work towards the 2025 objective to reduce single occupant-vehicle travel to 25% of trips.

Public Process Status, Issues

CEAP's are completed for all significant greenways projects and are reviewed by appropriate boards. See Greenway CIP for more detailed information.

Relationship with Other Departments

The Greenways program requires coordinating with Transportation, Open Space, Flood Utility, Planning and Parks Departments.

Change from Past CIP

Estimated Total Cost Unfunded Amount

Project Cost	Unfunded Amount
Project Cost	Project Cost Total
	Funding Total (\$585,000)
Total Project Cost	Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$97,500
2014	\$97,500
2015	\$97,500
2016	\$97,500
2017	\$97,500
2018	\$97,500
Subtotal	\$585,000
Total Funding Plan	\$585,000



Tributary Greenways Program – Transportation – Transfer continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Transportation/Utilities operating or Urban Drain.

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs which will be programmed in the Transportation or Utilities Fund budget.



Project Name: Valmont & 29th/Hazard Elimination

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Transportation	Subcommunity:	Crossroads
Funding Source:	Transportation Fund	BVCPArea:	Area I
Project Number:	781xxx	Map Number:	67
CEAP Required:	No	CEAP Status:	

Project Description

This project consists of signaling the intersection of 29th Street and Valmont and addition of left turn lanes in Valmont Road and reconstructing the adjacent bikelanes and sidewalks. The city received federal Hazard Elimination Program funding in a 2012 application to be funded fully in 2014. The project was scoped to address safety issues at this intersection that included one fatality. Implementing the project elements requires extending the concrete box culvert to contain the adjacent irrigation ditch on the north side of Valmont.

This project is funded in the 2015 federal funding year and is available to the city in the middle of 2014. This project includes \$2,713,500 of outside funding from federal HEP funds and \$301,500 of local funds. The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

The goal of the TMP is to provide a multi-modal transportation system. Installation of traffic signals provide access to and across multi-modal corridors for pedestrians, bikes, automobiles and transit. The project meets the sustainability goals by providing safer access to alternative travel choices that when used reduce green house gas emissions and the demand for transportation related energy sources. All projects provide some level of capital maintenance as existing assets are replaced. And, the project meets legal mandates with the construction elements and throughout the design and construction process and is leveraging external investments.

Public Process Status, Issues

At least one public meeting will be held and there will be individual meetings with adjacent property owners.

Relationship with Other Departments

New traffic signal installations are coordinated with Xcel Energy, which provides power to operate traffic signals. We will also coordinate with public and private utility's for any utility impacts and the ditch company for impacts to the irrigation ditch on the north side of Valmont.

Change from Past CIP

New Project – Federal Funding received through the CDOT Hazard Elimination Program



Valmont & 29th/Hazard Elimination continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$3,015,000	Project Cost Total	\$3,015,000
		Funding Total	(\$3,015,000)
Total Project Cost	\$3,015,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$3,015,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$3,015,000
Total Funding Plan	\$3,015,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Existing operating budgets

Additional Annual O&M Description:

Project may result in minimal incremental increases in on-going maintenance costs compared to the overall cost to maintain the system. Additional maintenance requirements include snow plowing and street maintenance of the additional street surface for turn lanes and for on-going maintenance of the signal. Funds are being increased to the operating budgets to cover additional maintenance costs.

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Funding Overview

Each of the city's three utility funds is established as a separate enterprise fund designed to finance and account for each utility's facilities and services. Funding for the Utilities Division capital improvement program is derived primarily from monthly utility fees. The 2013–2018 Capital Improvement Program (CIP) was developed using the following proposed 2013 revenue increases from monthly utility fees:

- Water – 3%
- Wastewater – 5%
- Stormwater/ Flood Management – 3%

It is anticipated that these rate increases will result in a typical residential customer's annual utility bill increasing by \$29.00. Any revenue increases for 2013 will be reviewed by the Water Resources Advisory Board and considered by City Council. Approval of revenue increases that are different from what is listed above may impact the 2013–2018 CIP.

In addition to the monthly utility fees, significant revenue sources include Plant Investment Fees (PIFs) from new development or redevelopment and hydroelectric sales to Xcel Energy. Sales from monthly utility fees can be variable and reflect the overall growth of the service area and yearly weather fluctuations.

Other revenue sources include reimbursements from the Urban Drainage & Flood Control District (UDFCD, this is for stormwater/ flood management projects), Colorado Department of Transportation (CDOT) state and federal grants, and revolving loans from the Colorado Department of Public Health and Environment (none anticipated at this time). These revenues are project specific and are highly variable depending on the external agency's funding situation and priorities. Currently, the following projects are anticipated to qualify for such revenues:

- Pre-Flood Acquisition
- Wonderland Creek
- Fourmile Canyon Creek
- South Boulder Creek

If the above mentioned funds are insufficient, projects may be funded by issuing revenue bonds



75th Street Wastewater Treatment Plant



with the debt service financed by general utility charges. For the years 2013–2018, it is anticipated that new bonds will be issued for the following projects:

Water

- Betasso Water Treatment Plant Improvements (\$11.6 million in 2016) to fund improvements to the Betasso WTP to assure compliance with federal Safe Drinking Water Act regulations.
- Barker Dam Improvements (\$11.3 million in 2018) to fund repairs to the outlet works and construct a new hydroelectric facility
- Carter Lake Pipeline (\$27.4 million in 2018)



Construction of Barker Dam, 1910 by the Eastern Colorado Power Company. Photo courtesy the Carnegie Branch Library for Local History.

Stormwater and Flood Management

- South Boulder Creek Improvements (\$4.5 million in 2015) to fund improvements designed to mitigate flood hazards in the South Boulder Creek West Valley area.

Figure 12–1: Existing and Planned Utility Infrastructure Financed by Debt

Utility	Projects	Year Debt is Retired	Approximate Annual Debt Payment
Water	Boulder Reservoir WTP Imp	2016	\$ 858,000
	Multiple Projects including Silver Lake Pipeline, Barker Purchase	2019	\$ 2,522,000
	Lakewood Pipeline	2021	\$ 2,066,000
	<i>Betasso WTP Imp. (2016)*</i>	2035	\$ 1,125,000
	<i>Barker Dam Improvements (2018)</i>	2037	\$ 1,046,000
	<i>Carter Lake Pipeline (2018)</i>	2037	\$ 2,508,000
Wastewater	Marshall Landfill	2012	\$ 170,000
	WWTP Improvements	2025	\$ 3,500,000
	WWTP Improvements	2030	\$ 674,000
Storm/Flood	Multiple projects including Goose Creek Improvements	2018	\$ 385,000
	<i>South Boulder Creek Imp. (2015)</i>	2035	\$ 437,000

**Gray boxes are for anticipated, but not yet issued bonds.*

The water utility also pays a portion of the Northern Colorado Water Conservancy District’s debt related to the Windy Gap project. This debt will be retired in 2017 and Boulder’s annual debt payment is approximately \$1,650,000.



Accomplishments and Highlights

Water Utility

- The Water Utility Master Plan (WUMP) was completed and accepted by City Council in September 2011. The plan updates the Treated Water Master Plan (2000) and general planning information and population projections. The WUMP pulls together all of the previously separate master plans for different aspects of the city's Water Utility. Completion of the WUMP represents a major planning milestone for the Utilities Division.
- Almost 10,000 feet of old deteriorated water pipe was replaced. Pipe is being systematically replaced based on information from the asset management system that tracks factors such as pipe age, material, break history, type of break, diameter, system pressure and soil type.
- The roof of the Chautauqua Water Storage Tank was replaced and work completed in April 2012.
- A construction contract for the Boulder Canyon Hydroelectric Modernization Project was executed in 2011 and work is underway with project completion anticipated in the 3rd quarter 2012.
- A construction contract for remediation work at Kossler Reservoir was executed in 2011 and work is underway with project completion anticipated in the 2nd quarter of 2012.

Wastewater Utility

- The city is currently engaged in a major rehabilitation/improvement project at the 75th St. Wastewater Treatment Facility (WWTF). The project will replace the existing chlorine disinfection system with an ultraviolet (UV) disinfection system, improve the biosolids digesters, and upgrade the headworks. The project is expected to be completed in April 2013.
- A new discharge permit was issued to the City by the State of Colorado in May 2011 and includes some new more restrictive effluent limits for various water quality parameters. City staff commissioned an engineering analysis called the Nutrient Compliance Study (NCS) in early 2012 to determine the need for capital improvements due to the new permit limits. For more information and next steps, see the highlights section below.
- Certification information concerning the existing flood levee protecting the WWTF was submitted to the Federal Emergency Management Agency (FEMA) in late 2011. The information is intended to be sufficient for FEMA to accredit the levee.
- Analysis and recommendations for improvements to the city's IBM Pump Station were completed. This study included an analysis of the pumps and wetwell capacity, the rags removal system, as well as structural, mechanical, and electrical physical inspections. For more information and next steps, see the highlights section below.



Highlights of 2013–2018 Projects

Water

- Annual funding for waterline replacement continues at a rate of \$2,100,000 in 2012 dollars. This should be sufficient to maintain the current service level, as defined by water main breaks, over the next decade. However, in 2013 total funding of \$3,000,000 is proposed in order to provide for the replacement of additional waterlines located in residential streets scheduled to be reconstructed by the city's Transportation Division as part of the recently approved Capital Investment Bond Program. Completing water main replacement just ahead of street resurfacing results in significant savings since pavement restoration costs can be eliminated. Coordination also reduces the risk that the useful life of a newly reconstructed street will be impacted by a main break.
- It is recommended that the city continue its annual maintenance program of the Barker Gravity Line by prioritizing pipeline repair projects based on the most critical needs, providing enough earthen cover to protect the pipeline, and anchoring the pipeline in areas prone to landslides. Replacement or lining of pipe sections are options that may be used in different parts of the pipeline.
- It is recommended that capital funding be allocated in the 2015–2016 time period to address issues related to aging equipment at the Betasso Water Treatment Facility.
- The Carter Lake Pipeline is scheduled to begin design work in 2017, and is considered the best long-term solution to water quality, operational and security vulnerability issues related to drawing water directly from either the Boulder Feeder Canal or Boulder Reservoir.
- The Barker Dam outlet facilities are over 100-years old and in need of significant rehabilitation. Design work for this project will begin in 2017.
- The timeline associated with the lining of Wittemyer Ponds has been accelerated due to Denver Water's planned enlargement of Gross Reservoir.

Wastewater

- Funding for the annual Sanitary Sewer Rehabilitation projects continues at of rate of \$500,000 in 2013 escalating at 4% annually to over \$600,000 in 2018.
- In March 2011 the city received a new discharge permit for the 75th Street wastewater treatment facility (WWTF) with an effective date of May 1, 2011. The city was successful in negotiating an extended schedule which requires compliance by December 1, 2017.
- Nutrient Criteria, specifically Regulation #85 and Regulation #31, were adopted by the Colorado Department of Public Health and Environment (CDPHE) in March 2012. The criteria will pose serious treatment challenges for the WWTF and will undoubtedly cause significant financial impacts. Approximately \$13.5 million of funding has been allocated in 2020 (outside of this year's budget planning horizon) to address Regulation #85. Regulation #31 contains much more stringent provisions and, if fully promulgated,



estimated improvement costs are in excess of \$100 million. Funding for this regulation would be needed beginning in 2027.

- A comprehensive list of WWTF rehabilitation projects has been identified in the 20-year CIP based on staff input, engineering studies and the asset management database. For the current 6-year CIP, funding for the rehabilitation projects has been allocated to various WWTF components as shown in the detailed CIP list.
- The CDPHE is requiring that the city provide overflow protection at the IBM Pump (Lift) Station. Additional funding is recommended in 2013 to address this and other issues related to this aging facility.

Stormwater and Flood Management

- The Wonderland Creek Greenways Improvement Project is proposed to implement flood mitigation measures along Wonderland Creek from just upstream of Iris Avenue to Foothills Parkway and extend the multi-use trail from Foothills Parkway to the intersection of Iris Avenue and 30th Street.
- TIP funding was granted in early 2012 for the Wonderland Creek at 28th Street project in the amount of \$900,000. Total project cost is estimated to be \$4–\$5 million.
- A project along Fourmile Canyon Creek includes 100 year flood mitigation at 19th Street, multi-use path and an emergency access connection from 19th Street to Tamarack. Total estimated cost is \$1.4 million.
- Funding has been allocated for the mitigation of South Boulder Creek flood hazards in 2015.

Funding is recommended in 2013 to increase the capacity of Boulder Slough along the north side of Pearl Street. This project would be performed in conjunction with the Transportation Division project – Pearl Parkway Multi-Use Path: 30th to Foothills.

Relationship to Guiding Principles

The proposed Utilities Division CIP is consistent with these guiding principles in that 1) all projects (except those noted below) have been identified and prioritized through Council accepted master plans 2) capital improvements are designed to achieve community sustainability goals, 3) funds to operate and maintain the project or program have been identified, 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs (except for the WWTP permit issue identified below, 5) the maintenance and enhancement of city-wide business systems is captured elsewhere in the CIP, 6) projects sustain or improve maintenance of existing assets before investing in new assets, 7) project have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency, 8) capital projects have been screened through a cost/benefit analysis, 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.



The projects identified in the 2012–2017 CIP are intended to implement these guiding principles and are consistent with the department master plans identified below.

In 2002 it was decided to develop an overarching master plan for each of the City's three utilities. More detailed plans have been developed for major functional areas. Recent master plans include recommendations for CIP projects over a 20-year time period. The project recommendations consider the prioritization listed below as well as information from the Utilities Division asset management system. This system includes replacement cost, useful life and condition rating which have been documented for each significant utility asset. This information informs the six-year CIP.

Current Utilities Division master plans include:

Water

- Source Water Master Plan – 2009
- Treated Water Master Plan (TWMP) – 2011
- Water Utility Master Plan (WUMP) – 2011.

Wastewater

- Wastewater Collection System Master Plan – 2010
- Wastewater Utility Master Plan – 2010.

Stormwater/ Flood Management

- Stormwater Master Plan –2007
- Comprehensive Flood and Stormwater (CFS) Master Plan – 2004.

Prioritization

The overall program and funding priorities are reflected in the timing of projects over the six-year CIP time period. In addition to master plan recommendations, the following factors were considered in determining the overall program and funding priorities:

Water and Wastewater

- Reliability of water and wastewater collection, delivery and treatment
- Water quality and other environmental regulations
- Worker health and safety
- Opportunity to collaborate with other city projects, such as transportation
- Opportunity to collaborate with other utility providers to leverage funds or obtain federal or state grants
- Potential for operation and maintenance cost savings
- Accommodating new growth and development.



Stormwater and Flood Management

- Life safety (high hazard) mitigation
- Flood emergency response capability
- Critical facility (vulnerable population) hazard mitigation
- Property damage mitigation
- Collaboration with other Greenways Program Objectives
- Potential for operation and maintenance cost savings
- Accommodating new growth and development.

Within current appropriations all projects proposed have sufficient funds for ongoing operations and maintenance, and 90% of the Water Utility and Wastewater Utility projects are focused on maintaining or improving existing assets. Other Water and Wastewater Utility projects are intended to construct facilities required to comply with new regulations. In the Stormwater and Flood Management Utility, the majority of the project funding is focused on life safety and critical facility hazard mitigation issues.

Projects Not in Master Plans

There is only one project that is not currently identified in a Council approved master plan – the Boulder Slough flood mitigation project. This project was recently identified based on 1) updated analysis and mapping of Boulder Slough and 2) ability to collaborate with the Transportation Division East Pearl St. improvement project. Funding is recommended in 2013 based primarily on the ability to leverage funds with the Transportation Division. This project will be highlighted during the public hearings with WRAB, Planning Board and City Council to confirm its priority and recommended funding.

New Projects

The following new projects have been identified in the 6–year CIP:

Water

- Construction of Pearl Street Hydroelectric / Pressure Reducing Facility
- Security improvements at Lakewood Dam
- Lining of Wittemyer Ponds
- Construction of Carter Lake Hydroelectric facilities.

Wastewater

None.

Stormwater/ Flood Management

- Improvements to Four Mile Canyon Creek – Upland to Violet
- Construction of increased capacity at the Boulder Slough.
- Improvements to Wonderland Creek at 28th St.



Deferred, Eliminated, or Changed Projects

Funding for several projects has been deferred beyond the current six-year CIP period or reduced during the current six-year CIP period because of revenue limitations and construction costs inflation.

Projects that have been delayed due to budget limitations include:

Water

- Carter Lake Pipeline (funding delayed, begin design in 2017)
- Carter Lake Hydroelectric (funding delayed, begin design in 2018)
- Barker Dam Outlet (funding delayed, begin design in 2017)
- Barker Dam Hydro (funding delayed, begin design in 2017).

Wastewater

- Improvements in the “Goose Creek 5 Master Plan Project” basin (funding delayed, begin planning in 2017).

Stormwater/ Flood Management

- Upper Goose Creek Drainage (funding reduced).

It should be noted that the proposed CIP assumes funding for the replacement/rehabilitation of existing Utilities assets at a level of 75% of the predicted rate based on a recent asset management analysis. Staff believes this will be adequate and sustainable since renewal and rehabilitation techniques and approaches can be accomplished at a lower cost than complete replacement.

The proposed CIP budget should be adequate to address essential projects within the six-year planning time frame. The delays in the projects listed above are not expected to have a significant negative effect on the service level of the city’s utilities systems. Therefore there are no unfunded needs identified within the 6-year CIP.

However, to continue to meet capital project needs, including the recommended asset replacement goals of 60–75% and compliance with permit regulations, higher utility rate increases will be needed in the near future as indicated in the following table. The preliminary 2013 increases are in bold.

Table 12–2: Utility Rate Increases

Utility	2012	2013	2014	2015
Water	3%	3%	4%	4%
Wastewater	3%	5%	5%	5%
Stormwater/Flood Management	3%	3%	3%	3%



Staff will continue to monitor and refine the asset replacement analysis and adjust the actual replacement rate within the 60–75 percent range as part of the annual budget process. Asset replacement at 75 percent of the predicted level has been used to formulate the 2013–2018 CIP budget.

Unfunded Projects and Emerging Needs

Construction Cost Inflation

Construction cost inflation is tracked using the Engineering News Record (ENR) Cost Index for Denver and the Colorado Department of Transportation (CDOT) Colorado Construction Cost Index. The ENR index is a composite index based on costs for: 1) local portland cement, 2) local 2x4 lumber, 3) national structural steel, and 4) local union wages plus fringes for carpenters, bricklayers and iron workers. The CDOT index is a composite index based on costs for 1) unclassified excavation, 2) hot bituminous pavement 3) concrete pavement, 4) structural steel and 5) reinforcing steel. The ENR index is more reflective of equipment and building construction such as projects that occur at the treatment plants. The Colorado Construction Cost Index is more reflective of heavy civil construction such as roadway and major drainageway work. The following table presents information concerning these indices through December 2011:

Table 12–3: Changes to ENR Index and CDOT Index

Index	2011 Change	Running Average Yearly Change	
		5 years	10 years
ENR Construction Cost Index for Denver	8%	4%	5%
CDOT Colorado Construction Cost Index	7%	2%	9%

Based on this information it is recommended that capital improvement construction costs be escalated at a rate of 4% during the planning period. This is an increase from the 3% construction cost inflation rate estimated in previous annual budgeting processes.

Emerging Needs

Emerging needs have been identified as part of the recent Water Utility Master Plan. During the development of this master plan, a technical analysis was performed regarding the city’s water treatment facilities and other infrastructure. The analysis indicates that this infrastructure should be adequate to meet water demand needs well into the future with little need for capacity expansion. However, a comprehensive analysis of existing assets pointed to the poor condition and aging of some mechanical and electrical equipment at the Betasso WTF. The Betasso WTF is the city's primary water treatment facility and has deteriorated during almost 50 years of



continuous operation despite on-going maintenance and rehabilitation. These issues, combined with inherent deficiencies in certain treatment process, are the reasons that large capital funding is recommended in 2015–2016.

Regulatory changes are another source of uncertainty and create emerging needs. For example, as explained in the Accomplishments and Highlights section of this memo, the city received a new discharge permit for the 75th Street WWT in 2011 with new effluent limits. Complying with these limits will require a combination of regulatory negotiations, environmental studies and WWTF capital improvements.

Table 12-4: 2013-2018 Funding Summary By Department

PUBLIC WORKS - STORMWATER AND FLOOD MANAGEMENT UTILITY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Boulder Slough	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -
Stormwater Quality Improvements	331,649	50,000	52,000	54,080	56,243	58,493	60,833	331,649	-	-
Transportation Coordination	-	250,000	260,000	270,400	281,216	292,465	304,163	1,658,244	-	-
Tributary Greenways Program - Stormwater & Flood	-	97,500	97,500	97,500	97,500	97,500	97,500	585,000	525,122	-
Wonderland Creek - Foothills to 30th Street	6,000,000	500,000	1,200,000	-	-	-	-	1,700,000	3,224,000	-
Wonderland Creek at 28th Street	5,465,000	1,350,000	2,050,000	1,500,000	-	-	-	4,900,000	-	-
South Boulder Creek Flood Mitigation	40,000,000	-	-	5,575,000	-	-	-	5,575,000	300,000	34,125,000
Upper Goose Creek Drainage	16,671,840	-	-	175,000	750,000	750,000	750,000	2,425,000	-	14,246,840
Fourmile Canyon Creek - Upland to Violet	3,500,000	-	-	-	1,000,000	1,000,000	500,000	2,500,000	-	200,000
Utility Billing Computer System Replacment	-	-	-	-	-	250,000	-	250,000	-	-
Subtotal	\$ 72,468,489	\$ 2,747,500	\$ 3,659,500	\$ 7,671,980	\$ 2,184,959	\$ 2,448,458	\$ 1,712,496	\$ 20,424,893	\$ 4,049,122	\$ 48,571,840
Existing Facility - Rehab / Repair / Deficiency Correction										
Storm Sewer Rehabilitation	\$ -	\$ 100,000	\$ 260,000	\$ 270,400	\$ 281,216	\$ 292,465	\$ 304,163	\$ 1,508,244	\$ -	\$ -
Subtotal	\$ -	\$ 100,000	\$ 260,000	\$ 270,400	\$ 281,216	\$ 292,465	\$ 304,163	\$ 1,508,244	\$ -	\$ -
Land Acquisition										
Preflood Property Acquisition	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 600,000	\$ 3,150,000	\$ -	\$ -
Subtotal	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 600,000	\$ 3,150,000	\$ -	\$ -
Total	\$ 72,468,489	\$ 3,347,500	\$ 4,419,500	\$ 8,442,380	\$ 2,966,175	\$ 3,290,923	\$ 2,616,659	\$ 25,083,137	\$ 4,049,122	\$ 48,571,840

Table 12-2: 2013-2018 Funding Summary By Department (Cont.)

PUBLIC WORKS - WASTEWATER UTILITY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Utility Billing Computer System Replacement	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -
Subtotal	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -	\$ -
Existing Facility - Rehab / Repair / Deficiency Correction										
Sanitary Sewer Manhole Rehabilitation	\$ 663,297	\$ 100,000	\$ 104,000	\$ 108,160	\$ 112,486	\$ 116,986	\$ 121,665	\$ 663,297	\$ -	\$ -
Sanitary Sewer Rehabilitation	3,316,487	500,000	520,000	540,800	562,432	584,929	608,326	3,316,487	-	-
WWTP Cogeneration	150,000	150,000	-	-	-	-	-	150,000	-	-
Biosolids Processing and Dewatering	1,150,000	-	150,000	1,000,000	-	-	-	1,150,000	-	-
WWTP Electrical	980,000	-	100,000	-	80,000	800,000	-	980,000	-	-
WWTP Pumps	450,000	-	150,000	-	150,000	-	-	300,000	150,000	-
WWTP Laboratory	100,000	-	-	50,000	-	-	-	50,000	50,000	-
Marshall Landfill	100,000	-	-	-	100,000	-	-	100,000	-	-
Collection System Monitoring	58,493	-	-	-	-	58,493	-	58,493	-	-
Tier 1 Goose Creek 5 Master Plan Project	3,289,851	-	-	-	-	25,000	622,683	647,683	-	2,642,168
WWTP Activated Sludge	182,498	-	-	-	-	182,498	-	182,498	-	-
Subtotal	\$ 10,440,626	\$ 750,000	\$ 1,024,000	\$ 1,698,960	\$ 1,004,918	\$ 1,767,906	\$ 1,352,674	\$ 7,598,458	\$ 200,000	\$ 2,642,168
New Construction - Growth Related Facility / Additions										
IBM Pump Station	\$ 1,050,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 550,000	\$ -
Subtotal	\$ 1,050,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 550,000	\$ -
New Construction - Not Growth Related										
WWTP Permit Improvements	\$ 3,680,869	\$ 200,000	\$ 150,000	\$ 1,500,000	\$ 112,486	\$ 253,064	\$ 1,265,319	\$ 3,480,869	\$ 200,000	\$ -
Subtotal	\$ 3,680,869	\$ 200,000	\$ 150,000	\$ 1,500,000	\$ 112,486	\$ 253,064	\$ 1,265,319	\$ 3,480,869	\$ 200,000	\$ -
Total	\$ 15,421,495	\$ 1,450,000	\$ 1,174,000	\$ 3,198,960	\$ 1,117,404	\$ 2,270,970	\$ 2,617,993	\$ 11,829,327	\$ 950,000	\$ -

Table 12-2: 2013-2018 Funding Summary By Department (Cont.)

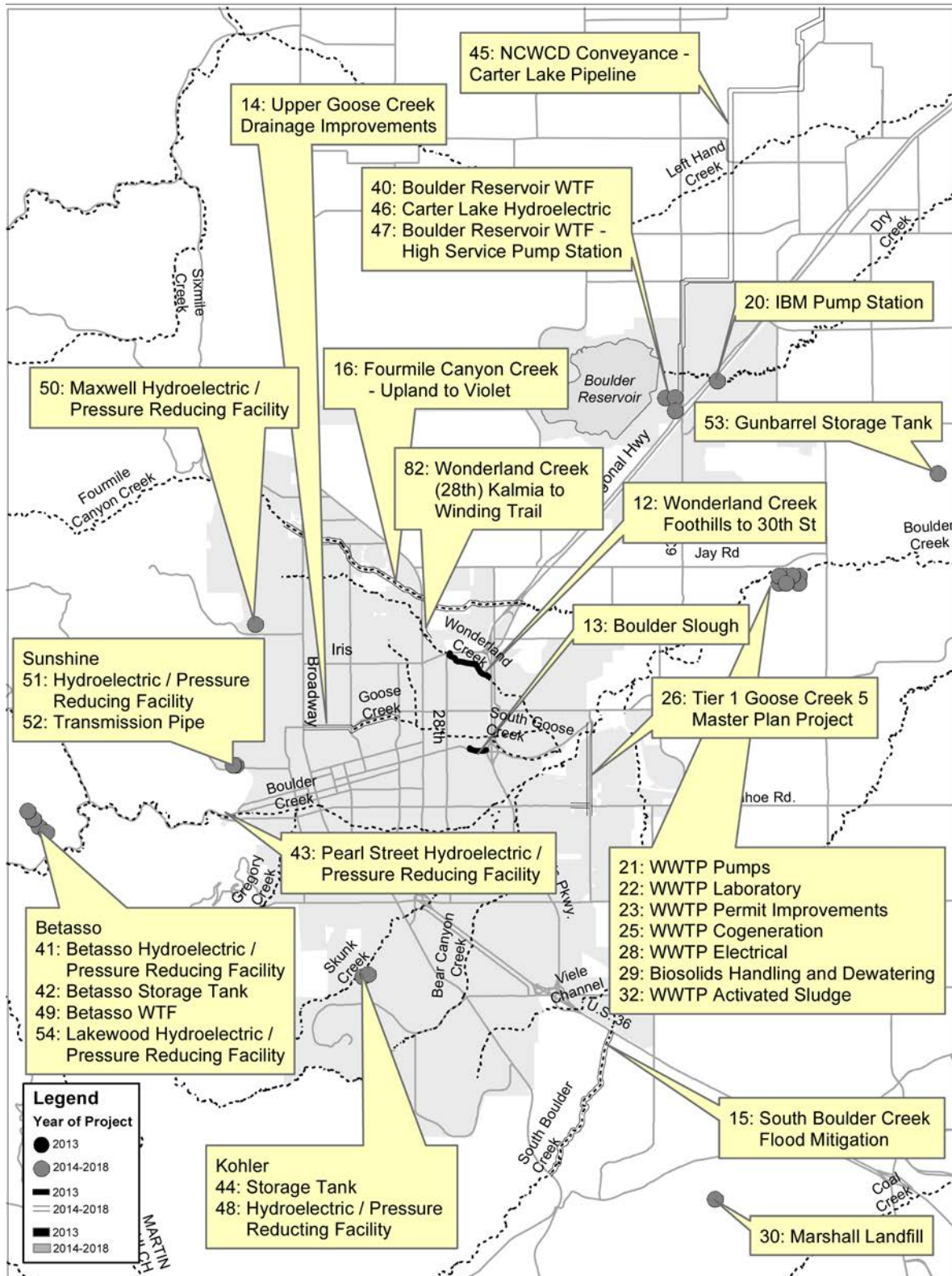
PUBLIC WORKS - WATER UTILITY

	Estimated Total Cost	2013 Approved	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2013 - 2018 Total	Previously Allocated Funding	Unfunded Amount
Existing Facility - Enhancements / Upgrades										
Automated Meter Reading	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ -
Sunshine Transmission Pipe	800,000	800,000	-	-	-	-	-	800,000	-	-
Utility Billing Computer System Replacement	528,771	-	-	-	-	500,000	-	500,000	28,771	-
Pearl Street Hydroelectric / Pressure Reducing Facility	267,664	-	-	-	-	-	24,333	24,333	-	243,331
Subtotal	\$ 1,596,435	\$ 1,250,000	\$ -	\$ -	\$ -	\$ 500,000	\$ 24,333	\$ 1,774,333	\$ 28,771	\$ 243,331
Existing Facility - Rehab / Repair / Deficiency Correction										
Barker Gravity Pipeline Repair	\$ -	\$ 350,000	\$ 364,000	\$ 378,560	\$ 667,416	\$ 595,911	\$ 619,748	\$ 2,975,635	\$ -	\$ -
Betasso WTF	17,470,903	200,000	100,000	1,549,628	15,621,275	-	-	17,470,903	-	-
Boulder Reservoir WTF High Service Pump Station	162,800	112,800	-	-	-	-	-	112,800	50,000	-
Green Lake 2 Dam	4,835,130	75,000	-	-	-	-	432,739	507,739	-	4,327,391
Gunbarrel Storage Tank	265,798	265,798	-	-	-	-	-	265,798	-	-
Kohler Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Maxwell Hydroelectric / Pressure Reducing Facility	50,000	50,000	-	-	-	-	-	50,000	-	-
Waterline Replacement	14,829,248	3,000,000	2,184,000	2,271,360	2,362,214	2,456,703	2,554,971	14,829,248	-	-
Lakewood Hydroelectric / Pressure Reducing Facility	100,000	-	100,000	-	-	-	-	100,000	-	-
Lakewood Pipeline	260,000	-	260,000	-	-	-	-	260,000	-	-
Albion Dam	4,477,446	-	-	81,120	-	-	-	81,120	-	4,396,326
Barker Dam and Reservoir	498,560	-	-	378,560	-	-	-	378,560	120,000	-
Kohler Storage Tank	1,138,362	-	-	103,487	1,034,875	-	-	1,138,362	-	-
Watershed Improvements	371,620	-	-	81,120	-	-	-	81,120	290,500	-
Barker Dam Outlet	8,572,652	-	-	-	75,000	772,514	7,725,138	8,572,652	-	-
Betasso Hydroelectric / Pressure Reducing Facility	100,000	-	-	-	100,000	-	-	100,000	-	-
Barker-Kossler Penstock Repair	291,986	-	-	-	-	116,986	-	116,986	175,000	-
Betasso Storage Tank	292,465	-	-	-	-	292,465	-	292,465	-	-
Sunshine Hydroelectric / Pressure Reducing Station	271,875	-	-	-	-	271,875	-	271,875	-	-
Witemyer Ponds	5,110,663	-	-	-	-	100,000	455,515	555,515	-	4,555,148
Lakewood Dam	124,707	-	-	-	-	-	124,707	124,707	-	-
Subtotal	\$ 59,274,215	\$ 4,103,598	\$ 3,008,000	\$ 4,843,835	\$ 19,860,780	\$ 4,606,454	\$ 11,912,818	\$ 48,335,485	\$ 635,500	\$ 13,278,865
New Construction - Not Growth Related										
Barker Dam Hydroelectric	\$ 4,024,805	\$ -	\$ -	\$ -	\$ 50,000	\$ 361,346	\$ 3,613,459	\$ 4,024,805	\$ -	\$ -
NCWCD Conveyance - Carter Lake Pipeline	31,201,614	-	-	-	100,000	2,737,469	27,374,690	30,212,159	989,455	-
Carter Lake Hydroelectric	2,800,000	-	-	-	-	50,000	250,000	300,000	-	2,500,000
Subtotal	\$ 38,026,419	\$ -	\$ -	\$ -	\$ 150,000	\$ 3,148,815	\$ 31,238,149	\$ 34,536,964	\$ 989,455	\$ 2,500,000
On-Going Projects										
Boulder Reservoir WTF	\$ -	\$ 116,000	\$ 82,000	\$ -	\$ 164,000	\$ -	\$ -	\$ 362,000	\$ -	\$ -
Subtotal	\$ -	\$ 116,000	\$ 82,000	\$ -	\$ 164,000	\$ -	\$ -	\$ 362,000	\$ -	\$ -
Total	\$ 98,897,069	\$ 5,469,598	\$ 3,090,000	\$ 4,843,835	\$ 20,174,780	\$ 8,255,269	\$ 43,175,300	\$ 85,008,782	\$ 1,653,726	\$ 16,022,196



Capital Improvements Program 2013 — 2018

Public Works/Water, Wastewater, Stormwater and Flood Utilities



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Project Name: Boulder Slough

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	Crossroads
Funding Source:	Stormwater & Flood Man	BVCPArea:	Area I
Project Number:	431016	Map Number:	13
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project provides funds to increase the conveyance capacity of Boulder Slough along the north side of Pearl Street west of Foothills Parkway in conjunction with the Transportation Division project – Pearl Parkway Multi-Use Path: 30th to Foothills. This project was recently identified based on 1) updated analysis and mapping of Boulder Slough and 2) ability to collaborate with the Transportation Division East Pearl St. improvement project. Funding is recommended in 2013 based primarily on the ability to leverage funds with the Transportation Division.

This project will begin in 2013.

Costs:

1. Planning: \$ 50,000
2. Land Acquisition: \$
3. Construction: \$ 450,000

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

Public process and issues will be managed by the Transportation Division as part of the project – Pearl Parkway Multi-Use Path: 30th to Foothills. The CEAP has been initiated and is anticipated to be completed in 2012.

Relationship with Other Departments

Transportation Division

Change from Past CIP

New project and funding



Boulder Slough continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$500,000	Project Cost Total	\$500,000
		Funding Total	(\$500,000)
Total Project Cost	\$500,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$500,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$500,000
Total Funding Plan	\$500,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget

**Project Name:** Fourmile Canyon Creek – Upland to Violet**Project at a Glance**

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	North Boulder
Funding Source:	Stormwater & Flood Man	BVCPArea:	Area I
Project Number:	431729	Map Number:	16
CEAP Required:	Yes	CEAP Status:	No

Project Description

Project includes improvements to Fourmile Canyon Creek from Upland to Violet, flood mitigation, environmental restoration and off-street trail connections. These improvements will be done in conjunction with Greenways, Transportation Division and the Parks Department.

There is \$2,500,000 from flood and \$811,323 from Greenways shown in the CIP in 2016–2018 for improvements along Fourmile between Upland and Violet. Based on very conceptual plans, this project is estimated to cost approximately \$3.5 million

1. Planning: \$900,000 (2012–2016)
2. Acquisition: \$600,000 (2012–2016)
3. Construction: \$2,000,000 (2018–2019)

The project is anticipated to be completed in 2019.

Relationship to Guiding Principles

This project was recommended by the Fourmile Canyon Creek Flood Mitigation Study, the Greenways Master Plan.

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

Flood mitigation planning was completed in 2009. A CEAP will be completed for each project.

Relationship with Other Departments



Fourmile Canyon Creek – Upland to Violet continued

All work along the Greenways is coordinated through the Greenways staff group that includes representatives from the Open Space Department, Parks and Recreation Department, Planning Department and Transportation and Utilities Divisions.

Change from Past CIP

New project

Estimated Total Cost

Project Cost

Project Cost \$3,500,000

Total Project Cost \$3,500,000

Unfunded Amount

Unfunded Amount

Project Cost Total \$3,500,000

Funding Total (\$2,500,000)

Total Unfunded \$200,000

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0

2014 \$0

2015 \$0

2016 \$1,000,000

2017 \$1,000,000

2018 \$500,000

Subtotal \$2,500,000

Total Funding Plan \$2,500,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Preflood Property Acquisition

Project at a Glance

Project Type:	Land Acquisition		
Department:	PW/ Stormwater and Floo	Subcommunity:	System-wide
Funding Source:	Stormwater & Flood Man	BVCPArea:	System-wide
Project Number:	431622	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funds for the purchase of properties in areas prone to flooding especially the city's high hazard regulatory area. Properties have been identified and prioritized along each of the city's major drainageways. Property owners have been contacted regarding the city's interest. The majority of properties in the high hazard flood zone are along Boulder Creek, Goose Creek and Fourmile Canyon Creek. The city is currently pursuing purchase of a property at 810 Marine Street, along Gregory Canyon Creek. This property is in the high hazard and flood conveyance zones.

This project is for an ongoing funding program.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

Property owners have been contacted regarding the city's interest in purchasing.

Relationship with Other Departments

This project relates to the city's Greenways Program and Transportation Program.

Change from Past CIP

Funding increased to account for anticipated 4% cost inflation



Preflood Property Acquisition continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost	<input type="text"/>	Total Unfunded	<input type="text"/>

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$500,000
2014	\$500,000
2015	\$500,000
2016	\$500,000
2017	\$550,000
2018	\$600,000

Subtotal \$3,150,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget



Project Name: South Boulder Creek Flood Mitigation

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	Multiple Subcommunities
Funding Source:	Stormwater & Flood Man	BVCPArea:	System-wide
Project Number:	431202	Map Number:	15
CEAP Required:	Yes	CEAP Status:	No

Project Description

The city completed a remapping study of the South Boulder Creek floodplain in 2007 and a risk assessment in 2009. The revised floodplain now includes approximately 700 structures in the 100-year floodplain, an increase of approximately 240 structures. The risk assessment estimates over \$200 million in damages would result from a 100-year storm event.

The Utilities Division is currently exploring mitigation alternatives, with the focus on mitigating impacts in the West Valley area. Flood mitigation alternatives have been narrowed to five, further refined and a staff recommendation made. The analysis and staff recommendation will be presented to the public, boards and City Council in late 2012 and early 2013. Funding for flood mitigation alternatives analysis began in 2010.

The mitigation alternatives range in cost from \$35 to \$48 million. Funding shown in the CIP is intended as seed money in the hopes of securing outside grants or federal money to complete the selected alternative. The cost of design, property acquisition and construction will be dependent on the final selected alternative.

This project is being coordinated with U.S. 36 improvements.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

Evaluation of South Boulder Creek flood issues and associated public process is on-going.

Relationship with Other Departments

Planning Department, Boulder County, University of Colorado, Open Space Department, Boulder Valley School District

Change from Past CIP

Funding for construction delayed one year to refine alternatives.



South Boulder Creek Flood Mitigation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$40,000,000	Project Cost Total	\$40,000,000
		Funding Total	(\$5,875,000)
Total Project Cost	\$40,000,000	Total Unfunded	\$34,125,000

Capital Funding Plan	
Funding Prior to 2013	\$300,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$5,575,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$5,575,000
Total Funding Plan	\$5,875,000

Additional Annual Operations and Maintenance	
Additional Annual O&M:	\$0
Funding Source:	Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
 No increase, funded by existing operating budget



Project Name: Storm Sewer Rehabilitation

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Stormwater and Floo **Subcommunity:** System-wide
Funding Source: Stormwater & Flood Man **BVCPArea:** System-wide
Project Number: 431760 **Map Number:** 0
CEAP Required: No **CEAP Status:** NA

Project Description

The project provides funds for the rehabilitation of existing storm sewers.

This project is for an ongoing funding program.

In 2013, \$ 100,000 will be spent on the project as described above.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Transportation Division

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Storm Sewer Rehabilitation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost	<input type="text"/>	Total Unfunded	<input type="text"/>

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$100,000
2014	\$260,000
2015	\$270,400
2016	\$281,216
2017	\$292,465
2018	\$304,163

Subtotal \$1,508,244

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget



Project Name: Stormwater Quality Improvements

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	System-wide
Funding Source:	Stormwater & Flood Man	BVCPArea:	System-wide
Project Number:	431775	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will fund stormwater quality projects as identified in the Stormwater Master Plan. This project will improve water quality in Boulder Creek and it's tributaries.

This project is for an ongoing funding program. In 2013, \$ 50,000 will be spent to address stormwater quality issues along Arapahoe Ave.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Transportation Division

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Stormwater Quality Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$331,649	Project Cost Total	\$331,649
		Funding Total	
Total Project Cost	\$331,649	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$50,000
2014	\$52,000
2015	\$54,080
2016	\$56,243
2017	\$58,493
2018	\$60,833
Subtotal	\$331,649

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget



Project Name: Transportation Coordination

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Stormwater and Floo **Subcommunity:** System-wide
Funding Source: Stormwater & Flood Man **BVCPArea:** System-wide
Project Number: 431780 **Map Number:** 0
CEAP Required: No **CEAP Status:** NA

Project Description

This project will fund the reconstruction of existing storm sewers, the construction of new storm sewers and water quality improvements as part of on-going Transportation Division improvement projects.

This project is for an ongoing funding program. In 2013, \$250,000 will be spent on the project as described above.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Coordination with the City's Transportation Division

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Transportation Coordination continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost	<input type="text"/>	Total Unfunded	<input type="text"/>

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$250,000
2014	\$260,000
2015	\$270,400
2016	\$281,216
2017	\$292,465
2018	\$304,163
Subtotal	\$1,658,244

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Tributary Greenways Program – Stormwater & Flood

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	System-wide
Funding Source:	Stormwater & Flood Man	BVCPArea:	System-wide
Project Number:	431630	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

The program is intended to improve and protect the many riparian corridors that pass through the city. Improvements include pedestrian/bicycle paths, drainage and flood control structures, and preservation and enhancement of natural features. A portion of the capital funding for this program was shifted to needed maintenance of existing system beginning in 2012. See Greenways CIP/Budget section. Project funding is ongoing. This project represents the Utilities Division contribution to the program.

This project is for an ongoing funding program. In 2012, \$ 97,500 will be spent on the project as described above.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

The Greenways Program is coordinated with parks, utilities, planning, OSMP

Change from Past CIP



Tributary Greenways Program – Stormwater & Flood continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$1,110,122)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$525,122
Six Year Funding Plan	
2013	\$97,500
2014	\$97,500
2015	\$97,500
2016	\$97,500
2017	\$97,500
2018	\$97,500
Subtotal	\$585,000
Total Funding Plan	\$1,110,122

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:

Decreased funding to move operating expenses of \$52,500 to Operating budget



Project Name: Upper Goose Creek Drainage

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	Central Boulder
Funding Source:	Stormwater & Flood Man	BVCPArea:	Area I
Project Number:	431459	Map Number:	14
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project will fund the construction of a drainage improvements in the Upper Goose Creek drainage between Broadway and 19th Street. City staff has observed localized flooding in this area. The scope and need for this project has been confirmed by the recently completed Stormwater Master Plan.

This project will begin in 2015.
Costs:

- 1. Planning: \$ 1,070,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 10,700,000

The project is anticipated to complete construction in 2028 because of funding limitations.

Relationship to Guiding Principles

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

The public process will be initiated in 2012.

Relationship with Other Departments

Coordination with the City's Transportation Division

Change from Past CIP

Funding reduced in 2016 to accommodate other project needs.



Upper Goose Creek Drainage continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$16,671,840	Project Cost Total	\$16,671,840
		Funding Total	(\$2,425,000)
Total Project Cost	\$16,671,840	Total Unfunded	\$14,246,840

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$175,000
2016	\$750,000
2017	\$750,000
2018	\$750,000
Subtotal	\$2,425,000
Total Funding Plan	\$2,425,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget



Project Name: Utility Billing Computer System Replacment

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Stormwater and Floo **Subcommunity:** System-wide
Funding Source: Stormwater & Flood Man **BVCPArea:** System-wide
Project Number: 431453 **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

This project is for the replacement of the existing Utility Billing Computer System. Funding of \$250,000 is recommended in year 2017 for this project.

This project will begin in 2017.
Costs:

- 1. Planning: \$ 25,000
- 2. Land Acquisition: \$ 0
- 3. Installation: \$ 225,000

The project is anticipated to complete the installation in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the wastewater utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) this project will enhance the city's IT and Financial systems through easier, quicker, and more complete billing processing and tracking; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated

Relationship with Other Departments

None

Change from Past CIP



Utility Billing Computer System Replacment continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	(\$250,000)
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$250,000
2018	\$0
Subtotal	\$250,000
Total Funding Plan	\$250,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget



Project Name: Wonderland Creek – Foothills to 30th Street

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	Palo Park
Funding Source:	Stormwater & Flood Man	BVCPArea:	Area I
Project Number:	431011	Map Number:	12
CEAP Required:	Yes	CEAP Status:	yes

Project Description

This project will fund flood mitigation improvements along Wonderland Creek. The flood mitigation planning process was completed in 2009, allowing the city to move forward with the implementation of selected flood mitigation projects. The first of these projects will be upstream of Foothills Parkway with a new culvert at the Burlington Northern and Sante Fe Railway and Boulder White Rocks ditch crossings.

The CIP includes funding for the Wonderland Creek Foothills to 30th St project

The Foothills to 30th St. project funding began prior to 2012, with funding for the CEAP. Design and construction will be funded from carry over money from Greenways which totaled \$355,000 and carry over from flood \$3.7 million (including \$660,000 from pre-flood property acquisition) with additional funding of \$2,000,000 in federal transportation funds (outside funding) with the distribution as follows:
1.Planning: \$800,000
2.Acquisition: \$1,500,000
3.Construction: \$3,755,000

All of the fudning shown in 2013 and 2014 is federal TIP funds.

The project is anticipated to be completed in 2016 for an estimated design and construction cost of \$6 million.

Relationship to Guiding Principles

This project is listed in the Greenways Master Plan and the Transportation Master Plan and the Fourmile Canyon Creek and Wonderland Creek Flood Mitigation Plan and the North Boulder Subcommunity Plan.

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

Flood mitigation planning was completed in 2009. A CEAP was completed for this project.

Relationship with Other Departments

This project relates to the City's Greenways Program and Transportation Program

Change from Past CIP



Wonderland Creek – Foothills to 30th Street continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$6,000,000	Project Cost Total	\$6,000,000
		Funding Total	(\$4,924,000)
Total Project Cost	\$6,000,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$3,224,000
Six Year Funding Plan	
2013	\$500,000
2014	\$1,200,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,700,000
Total Funding Plan	\$4,924,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$1,000 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
No increase, funded by existing operating budget



Project Name: Wonderland Creek at 28th Street

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Stormwater and Floo	Subcommunity:	Crossroads
Funding Source:	Stormwater & Flood Man	BVCPArea:	Area I
Project Number:	431012	Map Number:	82
CEAP Required:	Yes	CEAP Status:	No

Project Description

Project includes improvements to Wonderland Creek, flood mitigation, environmental restoration and off-street trail connections.

The Wonderland at 28th St (from Kalmia to Winding Trail) will begin with a CEAP and design in 2012. The total project cost is \$5,465,000, with \$565,441 from Greenways and \$4,000,000 from flood and \$900,000 from TIP distributed as follows:

- 1 Planning: \$960,000 (2012–2015)
- 2 Acquisition: \$200,000 (2013–2015)
- 3 Construction: \$4,305,000 (2015–2016)

\$100,000 in 2013 and \$800,000 in 2014 is Federal funding (TIP)
Funding is also shown in the Greenways CIP \$295,000 in 2014 and \$270,441 in 2015

Relationship to Guiding Principles

This project is listed in the Greenways Master Plan and the Transportation Master Plan and the Fourmile Canyon Creek and Wonderland Creek Flood Mitigation Plan and the North Boulder Subcommunity Plan.

This project is consistent with the goals of the Stormwater and Flood Management Utility as articulated in the Boulder Revised Code and the Comprehensive Flood and Stormwater (CFS) Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

The CEAP for this project will be initiated in 2012 and reviewed by the Greenways Advisory Committee.

Relationship with Other Departments

All work along the Greenways is coordinated through the Greenways staff group that includes representatives from the Open Space Department, Parks and Recreation Department, Planning Department and Transportation and Utilities Divisions.

Change from Past CIP

This project was moved up in the CIP as a result of receiving federal TIP funding



Wonderland Creek at 28th Street continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$5,465,000	Project Cost Total	\$5,465,000
		Funding Total	(\$4,900,000)
Total Project Cost	\$5,465,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$1,350,000
2014	\$2,050,000
2015	\$1,500,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$4,900,000
Total Funding Plan	\$4,900,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$1,000 **Funding Source:** Stormwater and Flood Management Utility Enterprise Fund

Additional Annual O&M Description:
will be covered by existing maintenance staff



Project Name: Biosolids Processing and Dewatering

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	Area III
Funding Source:	Wastewater Utility Fund	BVCPArea:	Area III
Project Number:	421670	Map Number:	29
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for rebuilding the biosolids dewatering centrifuges and overhaul equipment associated with gravity thickener No. 1.

This project will begin in 2014.
Costs:

1. Planning: \$ 100,000
2. Land Acquisition: \$ 0
3. Construction: \$ 1,050,000

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Biosolids Processing and Dewatering continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,150,000	Project Cost Total	\$1,150,000
		Funding Total	(\$1,150,000)
Total Project Cost	\$1,150,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$150,000
2015	\$1,000,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$1,150,000
Total Funding Plan	\$1,150,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Collection System Monitoring

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	System-wide
Funding Source:	Wastewater Utility Fund	BVCPArea:	System-wide
Project Number:	421450	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funds for monitoring of the City's wastewater collection system. This will be accomplished by using temporary flow measuring devices placed in selected manholes. Funds have been allocated to provide flow monitoring every five years beginning in 2012. This project is for an ongoing funding program.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Collection System Monitoring continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$58,493	Project Cost Total	\$58,493
		Funding Total	
Total Project Cost	\$58,493	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$58,493
2018	\$0
Subtotal	\$58,493

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: IBM Pump Station

Project at a Glance

Project Type: New Construction – Growth Related Facility / Additions
Department: PW/ Wastewater Utility **Subcommunity:** Gunbarrel
Funding Source: Wastewater Utility Fund **BVCPArea:** Area I
Project Number: 421521 **Map Number:** 20
CEAP Required: No **CEAP Status:**

Project Description

This project involves providing overflow protection at the IBM lift station per the Colorado Department of Public Health and Environment (CDPHE) regulations. Additional funding is recommended in 2013 to address this and other issues related to this aging facility. An engineering consultant report commissioned in 2011 provides an analysis of the pump station's hydraulic and storage capacity, power redundancy, as well as other rehabilitation issues. Some of the current 2012 funding is being used to complete an inflow and infiltration (I&I) study to attempt to quantify the volume of storm water entering the wastewater collection system during rain events. Following completion of the I&I study some of the 2012 funding will be used for the design of the recommended pump station improvements. The remainder of the 2012 funding and the additional 2013 funding will be used for the construction of the design improvements.

This project will begin in 2011.

Costs:

- 1. Planning: \$ 50,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 1,000,000

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Additional funding added in 2013



IBM Pump Station continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,050,000	Project Cost Total	\$1,050,000
		Funding Total	(\$1,050,000)
Total Project Cost	\$1,050,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$550,000
Six Year Funding Plan	
2013	\$500,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$500,000
Total Funding Plan	\$1,050,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Wastewater Utility Enterprise Fund

Additional Annual O&M Description:
 No increase, funded by existing operating budget



Project Name: Marshall Landfill

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	Area III
Funding Source:	Wastewater Utility Fund	BVCPArea:	Area III
Project Number:		Map Number:	30
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will fund the decommissioning of the Marshall Landfill Treatment Facility. The facility was originally constructed to eliminate groundwater contamination at the original landfill site. The money will be used for landfill cap maintenance and repair and demolition of the groundwater treatment facility.

Based on EPA approval, the groundwater collection system was shut down on Nov. 30, 2004. The treatment plant and collection system equipment will need to be preserved. In addition, there are approximately 180 sampling and monitoring wells located on the site, many of which are no longer used or necessary. Part of the shutdown process will entail sealing the unnecessary wells in place. This work would be required by the EPA as part of the Superfund site decommissioning process.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Marshall Landfill continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$100,000	Project Cost Total	\$100,000
		Funding Total	(\$100,000)
Total Project Cost	\$100,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$100,000
2017	\$0
2018	\$0
Subtotal	\$100,000
Total Funding Plan	\$100,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Sanitary Sewer Manhole Rehabilitation

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	System-wide
Funding Source:	Wastewater Utility Fund	BVCPArea:	System-wide
Project Number:	421454	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides for the rehabilitation and improvement to the existing wastewater manholes that are part of the city's sewer system. This project is funded at approximately \$100,00 per year.

This project is for an ongoing funding program. In 2012, \$ 100,000 will be spent on the project as described above.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Trasnportation Division

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Sanitary Sewer Manhole Rehabilitation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$663,297	Project Cost Total	\$663,297
		Funding Total	
Total Project Cost	\$663,297	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$100,000
2014	\$104,000
2015	\$108,160
2016	\$112,486
2017	\$116,986
2018	\$121,665
Subtotal	\$663,297

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Sanitary Sewer Rehabilitation

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	System-wide
Funding Source:	Wastewater Utility Fund	BVCPArea:	System-wide
Project Number:	421002	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides for the rehabilitation and improvement to the existing collector sewer piping of the City's wastewater collection system.

Funding for the annual Sanitary Sewer Rehabilitation projects continues at of rate of \$500,000 in 2013 escalating at 4% annually to over \$600,000 in 2018. This should be sufficient to maintain the current service level, over the next decade.

This project is for an ongoing funding program.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Transportation Division

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Sanitary Sewer Rehabilitation continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$3,316,487	Project Cost Total	\$3,316,487
		Funding Total	
Total Project Cost	\$3,316,487	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$500,000
2014	\$520,000
2015	\$540,800
2016	\$562,432
2017	\$584,929
2018	\$608,326

Subtotal \$3,316,487

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Tier 1 Goose Creek 5 Master Plan Project

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Wastewater Utility **Subcommunity:** Central Boulder
Funding Source: Wastewater Utility Fund **BVCPArea:** Area I
Project Number: 421002 **Map Number:** 26
CEAP Required: No **CEAP Status:**

Project Description

This project will provide funds for rehabilitation of the Goose Creek interceptor, which was identified as a Tier 1 rehabilitation project in the 2009 Wastewater Collection System Master Plan (WWCSMP). The 2017 funding is for the evaluation only. The 2018 funding is for the design and part of the construction.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Tier 1 Goose Creek 5 Master Plan Project continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$3,289,851	Project Cost Total	\$3,289,851
		Funding Total	(\$647,683)
Total Project Cost	\$3,289,851	Total Unfunded	\$2,642,168

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$25,000
2018	\$622,683
Subtotal	\$647,683
Total Funding Plan	\$647,683

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Utility Billing Computer System Replacement

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Wastewater Utility	Subcommunity:	System-wide
Funding Source:	Wastewater Utility Fund	BVCP Area:	System-wide
Project Number:	421453	Map Number:	0
CEAP Required:	No	CEAP Status:	

Project Description

This project is for the replacement of the existing Utility Billing Computer System. Funding of \$250,000 is recommended in year 2017 for this project.

This project will begin in 2017.

Costs:

1. Planning: \$ 25,000
2. Land Acquisition: \$ 0
3. Installation: \$ 225,000

The project is anticipated to complete the installation in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the wastewater utility as articulated in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) this project will enhance the city's IT and Financial systems through easier, quicker, and more complete billing processing and tracking; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Utility Billing Computer System Replacement continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$250,000	Project Cost Total	\$250,000
		Funding Total	
Total Project Cost	\$250,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$250,000
2018	\$0
Subtotal	\$250,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: WWTP Activated Sludge

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Wastewater Utility **Subcommunity:** Area III
Funding Source: Wastewater Utility Fund **BVCPArea:** Area III
Project Number: 421357 **Map Number:** 32
CEAP Required: No **CEAP Status:** NA

Project Description

This project will fund the rehabilitation of part of the existing activated sludge facilities at the 75th Street WWTP. The 2017 funding is to provide maintenance on the three Turblex blowers which provide the air to the aeration basins.

This project will begin in 2017.

Costs:

1. Planning: \$ 0
2. Land Acquisition: \$ 0
3. Construction: \$ 182,498

The project is anticipated to complete construction in 2017.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding eliminated in 2012 and added in 2017



WWTP Activated Sludge continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$182,498	Project Cost Total	\$182,498
		Funding Total	
Total Project Cost	\$182,498	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$182,498
2018	\$0
Subtotal	\$182,498

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: WWTP Cogeneration

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	Area III
Funding Source:	Wastewater Utility Fund	BVCPArea:	Area III
Project Number:	421329	Map Number:	25
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will fund rehabilitation of the cogeneration (generation of electricity and heat from methane gas produced by the anaerobic digesters) facilities at the 75th Street WWTP. The 2013 funding is for a major overhaul of the co-gen engines that occurs every seven years.

This project will begin in 2013.

Costs:

1. Planning: \$ 0
2. Land Acquisition: \$ 0
3. Construction: \$ 150,000

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



WWTP Cogeneration continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$150,000	Project Cost Total	\$150,000
		Funding Total	(\$150,000)
Total Project Cost	\$150,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$150,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$150,000
Total Funding Plan	\$150,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: WWTP Electrical

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	Area III
Funding Source:	Wastewater Utility Fund	BVCPArea:	Area III
Project Number:	421439	Map Number:	28
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will fund the rehabilitation of the existing electrical systems at the 75th Street WWTP. This project will include the replacement of numerous major electrical components. The 2014 funding is for the design and construction of one unit. The 2016 funding is for design and the 2017 funding is for construction of eight units.

This project will begin in 2014.

Costs:

- 1. Planning: \$ 98,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 882,000

The project is anticipated to complete construction in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



WWTP Electrical continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$980,000	Project Cost Total	\$980,000
		Funding Total	(\$980,000)
Total Project Cost	\$980,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$100,000
2015	\$0
2016	\$80,000
2017	\$800,000
2018	\$0
Subtotal	\$980,000
Total Funding Plan	\$980,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: WWTP Laboratory

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Wastewater Utility **Subcommunity:** Area III
Funding Source: Wastewater Utility Fund **BVCPArea:** Area III
Project Number: **Map Number:** 22
CEAP Required: No **CEAP Status:**

Project Description

This project will provide funds for the rehabilitation and improvement of the existing chemical/biological laboratory and the 75th St. WWTP. The funds will be used for the replacements of counters, sinks, cabinets, and other laboratory equipment.

This project will begin in 2015.
Costs:

- 1. Planning: \$ 10,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 90,000

The project is anticipated to complete construction in 2016.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



WWTP Laboratory continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$100,000	Project Cost Total	\$100,000
		Funding Total	(\$100,000)
Total Project Cost	\$100,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$50,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$50,000
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$50,000
Total Funding Plan	\$100,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: WWTP Permit Improvements

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	PW/ Wastewater Utility	Subcommunity:	Area III
Funding Source:	Wastewater Utility Fund	BVCPArea:	Area III
Project Number:	421617	Map Number:	23
CEAP Required:	No	CEAP Status:	

Project Description

This project is intended to address additional WWTP facilities required to meet new effluent regulations identified in the 2011 Colorado Discharge Permit System (CDPS) Permit. In March 2011 the city received a new discharge permit for the 75th Street wastewater treatment facility (WWTF) with an effective date of May 1, 2011. Additional or new permit requirements that will require some level of investment to comply with include: 1) substantially lower daily maximum ammonia effluent limits; 2) a new daily maximum nitrate effluent limit; and 3) a substantially lower arsenic effluent limit. The city was successful in negotiating an extended compliance schedule which requires compliance with the ammonia and nitrate effluent limits by December 1, 2017. A two year compliance schedule was provided to comply with the arsenic effluent limit. Complying with the ammonia, nitrate and arsenic effluent limits will require a combination of regulatory negotiations, environmental studies and WWTF capital improvements. Staff has identified funding in the 2013–2018 CIP to address improvements that will be required to meet the new effluent regulations. The 2013 and 2014 funding will be used to provide new probes, instrumentation and controls at four plant locations including the headworks, centrate, aeration basins, and the plant effluent. The 2012 funding is being used to support an engineering analysis called the Nutrient Compliance Study (NCS). The NCS will evaluate the WWTF’s ability to meet the new discharge regulations, and will include a list of recommendations regarding modifications to existing facilities as well as new required facilities. The 2015–2017 funding will be used to evaluate and construct various plant modifications that may include carbon addition, and also to evaluate the needs of the next permit cycle.

This project began in 2012.
Costs:

- 1. Planning: \$ 348,086
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 3,132,783

The project is anticipated to complete construction in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

This process will begin in 2013.

Relationship with Other Departments

None



WWTP Permit Improvements continued

Change from Past CIP

Funding adjusted in 2015 and 2016

Estimated Total Cost

Unfunded Amount

Project Cost

Unfunded Amount

Project Cost \$3,680,869

Project Cost Total \$3,680,869

Funding Total (\$3,680,869)

Total Project Cost \$3,680,869

Total Unfunded \$0

Capital Funding Plan

Funding Prior to 2013 \$200,000

Six Year Funding Plan

2013 \$200,000

2014 \$150,000

2015 \$1,500,000

2016 \$112,486

2017 \$253,064

2018 \$1,265,319

Subtotal \$3,480,869

Total Funding Plan \$3,680,869

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Wastewater Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: WWTP Pumps

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Wastewater Utility	Subcommunity:	Area III
Funding Source:	Wastewater Utility Fund	BVCPArea:	Area III
Project Number:	411339	Map Number:	21
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will fund the rehabilitation of existing pumps at the 75th Street WWTP. The 2014 funding is for the secondary pump station including the variable frequency drives (VFD's). The 2016 funding is for future pumps based on the asset management needs.

This project will begin in 2014.
Costs:

- 1. Planning: \$ 45,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 405,000

The project is anticipated to complete construction in 2016.

Relationship to Guiding Principles

This project is consistent with the goals of the Wastewater Utility as specified in the Boulder Revised Code and the Wastewater Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding delayed one year



WWTP Pumps continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$450,000	Project Cost Total	\$450,000
		Funding Total	(\$450,000)
Total Project Cost	\$450,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$150,000
Six Year Funding Plan	
2013	\$0
2014	\$150,000
2015	\$0
2016	\$150,000
2017	\$0
2018	\$0
Subtotal	\$300,000
Total Funding Plan	\$450,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Wastewater Utility Enterprise Fund

Additional Annual O&M Description:
 No increase, funded by existing operating budget



Project Name: Albion Dam

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:		Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the evaluation of alternatives for the rehabilitation of Albion Dam, located in the City's Watershed. The downstream face of Albion Dam is in poor condition and continues to degrade. Design and construction costs inflated at a 4% annual rate are currently projected in 2022– 23 with a total estimated cost of \$4,477,446.

The evaluation phase of the project will begin in 2016 and be completed in 2017.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as articulated in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Albion Dam continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$4,477,446	Project Cost Total	\$4,477,446
		Funding Total	(\$81,120)
Total Project Cost	\$4,477,446	Total Unfunded	\$4,396,326

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$81,120
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$81,120
Total Funding Plan	\$81,120

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Automated Meter Reading

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Water Utility	Subcommunity:	System-wide
Funding Source:	Water Utility Fund	BVCPArea:	System-wide
Project Number:	411454	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funds for the replacement of water meter transponders. Trace transponders will be replaced with Orion transponders. The Orion transponders are considered to be better technology, have a longer life and are compatible with the electronic water monitors (refrigerator magnets). The project is underway and it will take several years to complete the work associated with over 28,000 accounts. Therefore on-going funding is recommended until 2013.

This project is for an ongoing funding program. In 2013, \$450,000 of funding is proposed to complete the work described above.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as articulated in the Boulder Revised Code and the Water Utility Master Plan

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) this project will enhance the city's IT and Financial systems through easier, quicker, and more complete billing processing and tracking; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding reduced in 2013



Automated Meter Reading continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost	<input type="text"/>	Total Unfunded	<input type="text"/>

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$450,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$450,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Barker Dam and Reservoir

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411110	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for deficiency corrections at the existing Barker Dam, including security related projects.

This project will begin in 2015.
Costs:

1. Planning: \$ 40,000
2. Land Acquisition: \$ 0
3. Construction: \$ 338, 560

The project is anticipated to complete construction in 2016.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as articulated in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) this project will enhance the city's IT and Financial systems through easier, quicker, and more complete billing processing and tracking; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Barker Dam and Reservoir continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$498,560	Project Cost Total	\$498,560
		Funding Total	(\$498,560)
Total Project Cost	\$498,560	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$120,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$378,560
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$378,560
Total Funding Plan	\$498,560

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Barker Dam Hydroelectric

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:		Map Number:	0
CEAP Required:	Yes	CEAP Status:	No

Project Description

Design and construction of a new hydroelectric facility to be integrated into the Barker Dam Outlet Works Project. The anticipated capacity is 1.5 megawatts total. Alternative approaches to the project will be considered by City staff and technical consultants as part of a technical analysis to be initiated in 2016. Information regarding the alternative approaches will be provided as part of the CEAP.

This project will begin in 2017.
Costs:

- 1. Planning: \$ 411,346
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 3,613,459

The project is anticipated to complete construction in 2019.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as articulated in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) this project will enhance the city's IT and Financial systems through easier, quicker, and more complete billing processing and tracking; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bonding and the ability to address emergencies and natural disasters.

Public Process Status, Issues

The CEAP will be initiated in 2016

Relationship with Other Departments

Energy Utility Office

Change from Past CIP

Funding added in 2016 for alternatives analysis



Barker Dam Hydroelectric continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$4,024,805	Project Cost Total	\$4,024,805
		Funding Total	(\$4,024,805)
Total Project Cost	\$4,024,805	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$50,000
2017	\$361,346
2018	\$3,613,459
Subtotal	\$4,024,805
Total Funding Plan	\$4,024,805

Additional Annual Operations and Maintenance

Additional Annual O&M: \$37,000 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

Operating costs will be offset by increased hydroelectric revenue.



Project Name: Barker Dam Outlet

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411109	Map Number:	0
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project will provide funds for repairs or replacement of the existing outlet works of Barker Dam. The Barker Dam outlet facilities are over 100-years old and in need of significant rehabilitation. The current configuration of the outlet gates requires that Barker Reservoir be nearly emptied to perform a thorough inspection once every 5-10 years. Reconfiguration of the outlet facilities would eliminate the need to empty the reservoir for gate inspection. As currently envisioned, the project would require construction of a vertical shaft near the north embankment, inlet tunnels and one outlet tunnel, an outlet distribution facility, a pipeline to Barker Gravity Line, and valve house. The outlet facilities would provide the opportunity to develop a hydroelectric generation facility. Alternative approaches to the project will be considered by City staff and technical consultants as part of a technical analysis to be initiated in 2016. Information regarding the alternative approaches will be provided as part of the CEAP.

This project will begin in 2016.

Costs:

- 1. Planning: \$ 847,514
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 7,725,138

The project is anticipated to complete construction in 2019.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

The CEAP will be initiated in 2016.

Relationship with Other Departments

None

Change from Past CIP

Funding added in 2016 for alternatives analysis



Barker Dam Outlet continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$8,572,652	Project Cost Total	\$8,572,652
		Funding Total	(\$8,572,652)
Total Project Cost	\$8,572,652	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$75,000
2017	\$772,514
2018	\$7,725,138
Subtotal	\$8,572,652
Total Funding Plan	\$8,572,652

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Barker Gravity Pipeline Repair

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411106	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for repairs to the existing Barker gravity pipeline. Barker Gravity Pipeline is a critical component of the city's source water system because it conveys the city's Barker Reservoir/Middle Boulder Creek water to Betasso WTF. Stored water from Barker Reservoir and direct flows from Middle Boulder Creek are used to meet approximately 35 percent of the city's annual water needs. The city has, as part of an ongoing maintenance effort, already replaced and rehabilitated segments of the 11-mile Barker Gravity Pipeline that showed the most degradation or highest likelihood of failure. It is recommended the City continue its annual maintenance program, prioritizing based on the most critical needs, and also consider providing enough earthen cover to protect the pipeline, and anchor the pipeline in areas prone to landslides or other damaging events. Section replacement or lining are options that may each work well in different parts of the pipeline. The city should coordinate with the USFS concerning maintenance activities on federal land. The projected funds will allow for continued minor rehabilitation efforts (repair of leaks, siphons, etc, as has been done over the past several years) and an evaluation of pilot replacement/lining alternatives through 2016.

In addition, the funding for this project in 2016 will also support on-going Federal permitting issues associated with the Barker Water System. A request has been made to convert the current Federal Energy Regulatory Commission(FERC) licensed project to a FERC small conduit exemption from licensing. There are significant technical and legal analysis and documentation required to support this request and to obtain a separate land use authorization from the U.S. Forest Service for continued occupancy of federal land by the Barker Gravity Pipeline.

This project is for an ongoing funding program. In 2013, \$350,000 will be spent on the project as described above.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Barker Gravity Pipeline Repair continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost		Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$350,000
2014	\$364,000
2015	\$378,560
2016	\$667,416
2017	\$595,911
2018	\$619,748

Subtotal \$2,975,635

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Barker-Kossler Penstock Repair

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411107	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for analysis and repair of the existing Barker-Kossler Penstock including the need for replacement or targeted repairs with metallurgy and corrosion experts.

This project will begin in 2017.
Costs:

- 1. Planning: \$ 15,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 101,986

The project is anticipated to complete construction in 2017.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Barker-Kossler Penstock Repair continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$291,986	Project Cost Total	\$291,986
		Funding Total	(\$291,986)
Total Project Cost	\$291,986	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$175,000
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$116,986
2018	\$0
Subtotal	\$116,986
Total Funding Plan	\$291,986

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Betasso Hydroelectric / Pressure Reducing Facility

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411974	Map Number:	41
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will fund rehabilitations to the Betasso Hydroelectric / Pressure Reducing Facility including an overhaul of the existing turbine-generator equipment.

This project will begin in 2016.

Costs:

1. Planning: \$ 0
2. Land Acquisition: \$ 0
3. Construction: \$ 100,000

The project is anticipated to complete construction in 2017.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Betasso Hydroelectric / Pressure Reducing Facility continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$100,000	Project Cost Total	\$100,000
		Funding Total	
Total Project Cost	\$100,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$0
2015	\$0
2016	\$100,000
2017	\$0
2018	\$0
Subtotal	\$100,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Betasso Storage Tank

Project at a Glance

Project Type: Existing Facility – Rehab / Repair / Deficiency Correction
Department: PW/ Water Utility **Subcommunity:** Outside Planning Area
Funding Source: Water Utility Fund **BVCPArea:** Outside Planning Area
Project Number: **Map Number:** 42
CEAP Required: No **CEAP Status:** NA

Project Description

This project will provide funds for the rehabilitation and exterior painting of the Betasso Storage Tank. The facility is an elevated steel tank that has deteriorated due to weather and other environmental factors that primarily affect the protective paint coating.

This project will begin in 2017.
 Costs:

1. Planning: \$ 15,000
2. Land Acquisition: \$ 0
3. Construction: \$ 277,465

The project is anticipated to complete construction in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as articulated in the Boulder Revised Code and the Treated Water Master Plan.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation

Estimated Total Cost Unfunded Amount

Project Cost		Unfunded Amount	
Project Cost	\$292,465	Project Cost Total	\$292,465
		Funding Total	(\$292,465)
Total Project Cost	\$292,465	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$292,465
2018	\$0
Subtotal	\$292,465
Total Funding Plan	\$292,465



Betasso Storage Tank continued

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Betasso WTF

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411947	Map Number:	49
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provides funds for rehabilitations and improvements to the Betasso WTP. The Betasso WTF is the city's primary WTF and has deteriorated during almost 50 years of continuous operation despite ongoing maintenance and rehabilitation. Also, pretreatment capacity limitations of the existing flocculation/sedimentation process result in residuals that comprise more water content than desired. This results in inadequate residuals dewatering capacity using the existing drying beds and lagoons. The city is currently using private contract hauling services to overcome this limitation.

Funding in 2013 and 2014 will be used to fund a pre-treatment and residual study, chemical storage tanks and piping and rehabilitation of the combined influent flow meter.

Funding in 2015 will be used for design of the major rehabilitation and improvement project.

Funding in 2016 is for the construction of the major rehabilitation and improvement project and includes:

- \$3,500,030 Water fund
- \$11,996,245 Bond Proceeds
- \$125,000 Bond Issuance Costs

The project is anticipated to to be completed in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Betasso WTF continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$17,470,903	Project Cost Total	\$17,470,903
		Funding Total	
Total Project Cost	\$17,470,903	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$200,000
2014	\$100,000
2015	\$1,549,628
2016	\$15,621,275
2017	\$0
2018	\$0
Subtotal	\$17,470,903

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Boulder Reservoir WTF

Project at a Glance

Project Type:	On-Going Projects		
Department:	PW/ Water Utility	Subcommunity:	Gunbarrel
Funding Source:	Water Utility Fund	BVCPArea:	Area I
Project Number:	411652	Map Number:	40
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for on-going maintenance and rehabilitation of the Boulder Reservoir Water Treatment Facility. Funding in 2013, 2014 and 2016 will be used to replace effluent flow meters, chemical feed and process controls, pressure and flow instruments, filter effluent flash mix system and filter controls.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Boulder Reservoir WTF continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost		Project Cost Total	
		Funding Total	
Total Project Cost	<input type="text"/>	Total Unfunded	<input type="text"/>

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$116,000
2014	\$82,000
2015	\$0
2016	\$164,000
2017	\$0
2018	\$0
Subtotal	\$362,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Boulder Reservoir WTF High Service Pump Station

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Gunbarrel
Funding Source:	Water Utility Fund	BVCPArea:	Area I
Project Number:	411011	Map Number:	47
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funds for the installation of variable frequency drives on selected high service pumps at the Boulder Reservoir Water Treatment Facility. This equipment will increase the energy efficiency of the pumps

This project will begin in 2012.

Costs:

1. Planning: \$ 50,000
2. Land Acquisition: \$ 0
3. Construction: \$ 112,8000

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated

Relationship with Other Departments

None

Change from Past CIP



Boulder Reservoir WTF High Service Pump Station continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$162,800	Project Cost Total	\$162,800
		Funding Total	(\$162,800)
Total Project Cost	\$162,800	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$50,000
Six Year Funding Plan	
2013	\$112,800
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$112,800
Total Funding Plan	\$162,800

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Carter Lake Hydroelectric

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	PW/ Water Utility	Subcommunity:	Gunbarrel
Funding Source:	Water Utility Fund	BVCPArea:	Area I
Project Number:		Map Number:	46
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project provides funds for the design of a new hydroelectric facility at or near the Boulder Reservoir Water Treatment Facility. The possibility of this facility would be made available by the construction of the Carter Lake Pipeline Project. Funding allocated in the current CIP is for planning and design only. Construction funding (unfunded in the City 2013–2018 CIP) is allocated in the Water Utility 20-year CIP in 2019 and is expected to be fully allocated in 2019 in the City 2014–2019 CIP.

This project will begin in 2017
Costs:

1. Planning and Design: \$ 300,000
2. Land Acquisition: \$ 0
3. Construction: \$ 2,500,000 (2019)

The project is anticipated to complete construction in 2020.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

The CEAP will be initiated in 2017.

Relationship with Other Departments

Energy Utility Office

Change from Past CIP

New project



Carter Lake Hydroelectric continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$2,800,000	Project Cost Total	\$2,800,000
		Funding Total	(\$300,000)
Total Project Cost	\$2,800,000	Total Unfunded	\$2,500,000

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$50,000
2018	\$250,000
Subtotal	\$300,000
Total Funding Plan	\$300,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget (needs to be confirmed)



Project Name: Green Lake 2 Dam

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411627	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the evaluation of alternatives and design of the rehabilitation of Green Lake 2 Dam, located in the City's Watershed. Green Lake 2 Dam is in need of extensive rehabilitation to allow continued storage of water. Proposed 2013 funds are for evaluation of alternatives. Funding allocated in the current CIP is for planning and design only. Construction funding (unfunded in the City 2013–2018 CIP) is allocated in the Water Utility 20-year CIP in 2019 and is expected to be fully allocated in 2019 in the City 2014–2019 CIP.

This project will begin in 2013
Costs:

- 1. Planning and Design: \$ 507,739
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 4,327,391 (2019)

The project is anticipated to complete construction in 2020.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Green Lake 2 Dam continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$4,835,130	Project Cost Total	\$4,835,130
		Funding Total	(\$507,739)
Total Project Cost	\$4,835,130	Total Unfunded	\$4,327,391

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$75,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$432,739
Subtotal	\$507,739
Total Funding Plan	\$507,739

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Gunbarrel Storage Tank

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Area III
Funding Source:	Water Utility Fund	BVCPArea:	Area III
Project Number:	411670	Map Number:	53
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the rehabilitation of the interior paint of the Gunbarrel Storage Tank.

This project will begin in 2013.
Costs:

1. Planning: \$ 30,000
2. Land Acquisition: \$ 0
3. Construction: \$ 235,798

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Gunbarrel Storage Tank continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$265,798	Project Cost Total	\$265,798
		Funding Total	
Total Project Cost	\$265,798	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$265,798
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$265,798

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Kohler Hydroelectric / Pressure Reducing Facility

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	South Boulder
Funding Source:	Water Utility Fund	BVCPArea:	Area I
Project Number:	411376	Map Number:	48
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the rehabilitation of the Kohler Hydroelectric / Pressure Reducing Facility including rehabilitation of interior piping.

This project will begin in 2013.
Costs:

1. Planning: \$ 5,000
2. Land Acquisition: \$ 0
3. Construction: \$ 45,000

The project is anticipated to complete construction in 2013.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Kohler Hydroelectric / Pressure Reducting Facility continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$50,000	Project Cost Total	\$50,000
		Funding Total	(\$50,000)
Total Project Cost	\$50,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$50,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$50,000
Total Funding Plan	\$50,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Kohler Storage Tank

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	South Boulder
Funding Source:	Water Utility Fund	BVCPArea:	Area I
Project Number:	411671	Map Number:	44
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the rehabilitation of the Kohler Storage Tank including design for the replacement of the existing roof.

This project will begin in 2015.
Costs:

- 1. Planning: \$ 103,487
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 1,034,875

The project is anticipated to complete construction in 2017.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Kohler Storage Tank continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$1,138,362	Project Cost Total	\$1,138,362
		Funding Total	(\$1,138,362)
Total Project Cost	\$1,138,362	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$103,487
2016	\$1,034,875
2017	\$0
2018	\$0
Subtotal	\$1,138,362
Total Funding Plan	\$1,138,362

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Lakewood Dam

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411981	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for security improvements at Lakewood Reservoir.

This project will begin in 2018.

Costs:

1. Planning: \$ 10,000
2. Land Acquisition: \$ 0
3. Construction: \$ 114,707

The project is anticipated to complete construction in 2019.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Lakewood Dam continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$124,707	Project Cost Total	\$124,707
		Funding Total	(\$124,707)
Total Project Cost	\$124,707	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$124,707
Subtotal	\$124,707
Total Funding Plan	\$124,707

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget.



Project Name: Lakewood Hydroelectric / Pressure Reducing Facility

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Area III
Funding Source:	Water Utility Fund	BVCPArea:	Area III
Project Number:	411801	Map Number:	54
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funds for the rehabilitation of the Lakewood pressure reducing valve.

This project will begin in 2014.
Costs:

- 1. Planning: \$ 10,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 90,000

The project is anticipated to complete construction in 2015.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Lakewood Hydroelectric / Pressure Reducing Facility continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$100,000	Project Cost Total	\$100,000
		Funding Total	(\$100,000)
Total Project Cost	\$100,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$100,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$100,000
Total Funding Plan	\$100,000

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Water Utility Enterprise Fund

Additional Annual O&M Description:

To be determined, operating costs will be offset by increased hydroelectric revenue.



Project Name: Lakewood Pipeline

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411780	Map Number:	0
CEAP Required:	Yes	CEAP Status:	Yes

Project Description

Funds have been budgeted in 2014 for re-inspection of the Lakewood Pipeline due to concerns with the original pipeline construction. Based on observations made during the 2009 inspection it is recommended that the frequency of inspections be reduced to one every five years. No funds have been budgeted for pipeline repair costs. Funds would be transferred from the Lakewood Pipeline Remediation Reserve to cover the costs.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Lakewood Pipeline continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$260,000	Project Cost Total	\$260,000
		Funding Total	
Total Project Cost	\$260,000	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$0
2014	\$260,000
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$260,000

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Maxwell Hydroelectric / Pressure Reducing Facility

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	North Boulder
Funding Source:	Water Utility Fund	BVCPArea:	Area I
Project Number:	411342	Map Number:	50
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the rehabilitation of the Maxwell Hydroelectric / Pressure Reducing Facility including rehabilitation of interior piping.

This project will begin in 2013.

Costs:

1. Planning: \$ 5,000
2. Land Acquisition: \$ 0
3. Construction: \$ 45,000

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Maxwell Hydroelectric / Pressure Reducing Facility continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$50,000	Project Cost Total	\$50,000
		Funding Total	(\$50,000)
Total Project Cost	\$50,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$50,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$50,000
Total Funding Plan	\$50,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Existing operating budget.

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: NCWCD Conveyance – Carter Lake Pipeline

Project at a Glance

Project Type:	New Construction – Not Growth Related		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411547	Map Number:	45
CEAP Required:	Yes	CEAP Status:	No

Project Description

This project will provide funds for the planning, design and construction of a pipeline from Carter Lake to the Boulder Reservoir Water Treatment Facility. The Pipeline is considered the best long-term solution to water quality, operational and security vulnerability issues related to drawing water directly from either the Boulder Feeder Canal or Boulder Reservoir. A 1041 permit application for this project has been submitted to Boulder County and it is anticipated a permit will be issued in 2012. Information from the 1041 permit will be incorporated into the CEAP document. The Northern Colorado Water Conservancy District is the lead agency and the City of Boulder and the Left Hand Water District are project participants. The pipeline would also provide the opportunity to develop a hydroelectric generation facility.

This project will begin in 2016.
Costs:

1. Planning and Design: \$ 2,838,469
2. Land Acquisition: \$ 0
3. Construction: \$ 27,374,690

The project is anticipated to complete construction in 2019.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

A 1041 permit application for this project has been submitted to Boulder County and it is anticipated a permit will be issued in 2012. Information from the 1041 permit will be incorporated into the CEAP.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



NCWCD Conveyance – Carter Lake Pipeline continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$31,201,614	Project Cost Total	\$31,201,614
		Funding Total	(\$31,201,614)
Total Project Cost	\$31,201,614	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$989,455
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$100,000
2017	\$2,737,469
2018	\$27,374,690
Subtotal	\$30,212,159
Total Funding Plan	\$31,201,614

Additional Annual Operations and Maintenance	
Additional Annual O&M:	Funding Source: Water Utility Enterprise Fund
Additional Annual O&M Description:	
To Be Determined	



Project Name: Pearl Street Hydroelectric / Pressure Reducing Facility

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Water Utility	Subcommunity:	Area III
Funding Source:	Water Utility Fund	BVCPArea:	Area III
Project Number:		Map Number:	43
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides for the installation of a hydroelectric turbine and generator at the city's Pearl Street pressure reducing facility. Currently water pressure is reduced using a pressure reducing valve which wastes the available energy in the water. This energy could be used to produce electricity. Funding allocated in the current CIP is for planning and design only. Construction funding (unfunded in the City 2013–2018 CIP) is allocated in the Water Utility 20–year CIP in 2019 and is expected to be fully allocated in 2019 in the City 2014–2019 CIP.

This project will begin in 2018.

Costs:

1. Planning and Design: \$ 24,333
2. Land Acquisition: \$ 0
3. Construction: \$ 267,664 (2019)

The project is anticipated to complete construction in 2020.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Energy Utility Office

Change from Past CIP

New Project



Pearl Street Hydroelectric / Pressure Reducing Facility continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$267,664	Project Cost Total	\$267,664
		Funding Total	(\$24,333)
Total Project Cost	\$267,664	Total Unfunded	\$243,331

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	
2017	\$0
2018	\$24,333
Subtotal	\$24,333
Total Funding Plan	\$24,333

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Water Utility Enterprise Fund

Additional Annual O&M Description:

To be determined, operating costs will be offset by increased hydroelectric revenue.



Project Name: Sunshine Hydroelectric / Pressure Reducing Station

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Area III
Funding Source:	Water Utility Fund	BVCPArea:	Area III
Project Number:		Map Number:	51
CEAP Required:	No	CEAP Status:	No

Project Description

This project will provide funds for the rehabilitation of the Sunshine Hydro/PRV Station including flow meter and rehabilitation or replacement of the existing control system.

This project will begin in 2017.
Costs:

1. Planning: \$ 30,000
2. Land Acquisition: \$ 0
3. Construction: \$ 241,875

The project is anticipated to complete construction in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Sunshine Hydroelectric / Pressure Reducing Station continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$271,875	Project Cost Total	\$271,875
		Funding Total	(\$271,875)
Total Project Cost	\$271,875	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$271,875
2018	\$0
Subtotal	\$271,875
Total Funding Plan	\$271,875

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Sunshine Transmission Pipe

Project at a Glance

Project Type:	Existing Facility – Enhancements / Upgrades		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:	411006	Map Number:	52
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funds for the rehabilitation of the Sunshine Transmission Pipe. The pipe is a cement mortar lined steel pipeline that has deteriorated during its operation over a period of several decades. Funding allocated in 2013 will provide for inspection, installation of access manholes and rehabilitation or replacement of the existing cement mortar lining.

This project will begin in 2013.

Costs:

- 1. Planning: \$ 80,000
- 2. Land Acquisition: \$ 0
- 3. Construction: \$ 720,000

The project is anticipated to complete construction in 2014.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Open Space Department

Change from Past CIP



Sunshine Transmission Pipe continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$800,000	Project Cost Total	\$800,000
		Funding Total	(\$800,000)
Total Project Cost	\$800,000	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$0
Six Year Funding Plan	
2013	\$800,000
2014	\$0
2015	\$0
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$800,000
Total Funding Plan	\$800,000

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Utility Billing Computer System Replacement

Project at a Glance

Project Type: Existing Facility – Enhancements / Upgrades
Department: PW/ Water Utility **Subcommunity:** System-wide
Funding Source: Water Utility Fund **BVCPArea:** System-wide
Project Number: 411453 **Map Number:** 0
CEAP Required: No **CEAP Status:**

Project Description

This project is for the replacement of the existing Utility Billing Computer System. Funding of \$250,000 is recommended in year 2017 for this project.

This project will begin in 2017.
Costs:

- 1. Planning: \$ 50,000
- 2. Land Acquisition: \$ 0
- 3. Installation: \$ 450,000

The project is anticipated to complete the installation in 2018.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as articulated in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) this project will enhance the city's IT and Financial systems through easier, quicker, and more complete billing processing and tracking; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP



Utility Billing Computer System Replacement continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$528,771	Project Cost Total	\$528,771
		Funding Total	(\$528,771)
Total Project Cost	\$528,771	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$28,771
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$0
2016	\$0
2017	\$500,000
2018	\$0
Subtotal	\$500,000
Total Funding Plan	\$528,771

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Existing operating budget

Additional Annual O&M Description:
 No increase, funded by existing operating budget



Project Name: Waterline Replacement

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	System-wide
Funding Source:	Water Utility Fund	BVCPArea:	System-wide
Project Number:	411389	Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funds for the reconstruction of waterlines that are part of the city's water distribution system. Many of the city's existing waterlines are corroded or otherwise deteriorated and must be replaced. The city currently experiences approximately 60–80 main breaks per year and these cause unplanned outages in water service as well as disruption to vehicle travel and damage to public and private property. Although the number of main breaks is not considered excessive, the average age of the city's distribution system is over 40 years and it is anticipated that substantial funds will be required to maintain a functioning water distribution system over time. In some cases deficiencies in this system have been identified due to fire flow requirements of the Insurance Services Office (ISO).

Funding for annual waterline replacement continues at a rate of \$2,100,000 in 2012 dollars. This should be sufficient to maintain the current service level, as defined by water main breaks, over the next decade. However, in 2013 total funding of \$3,000,000 is proposed in order to provide for the replacement of additional waterlines located in residential streets that will be reconstructed by the city's Transportation Division as part of the recently approved Capital Investment Bond Program. The replacement of these waterlines will be more efficient since the cost of pavement patching can be minimized since the Transportation Division will be funding the cost of new pavement as part of the street reconstruction effort.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

Transportation Division

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Waterline Replacement continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$14,829,248	Project Cost Total	\$14,829,248
		Funding Total	
Total Project Cost	\$14,829,248	Total Unfunded	\$0

Capital Funding Plan

Funding Prior to 2013

Six Year Funding Plan

2013	\$3,000,000
2014	\$2,184,000
2015	\$2,271,360
2016	\$2,362,214
2017	\$2,456,703
2018	\$2,554,971

Subtotal \$14,829,248

Total Funding Plan

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Watershed Improvements

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:		Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project will provide funding for miscellaneous improvements in the city's Silver Lake watershed including valve and monitoring system rehabilitation or replacement.

This project will begin in 2015.
Costs:

1. Planning: \$ 8,000
2. Land Acquisition: \$ 0
3. Construction: \$ 73,120

The project is anticipated to complete construction in 2016.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan.

This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

No additional public process is anticipated.

Relationship with Other Departments

None

Change from Past CIP

Funding increased to account for anticipated 4% construction cost inflation



Watershed Improvements continued

Estimated Total Cost		Unfunded Amount	
Project Cost		Unfunded Amount	
Project Cost	\$371,620	Project Cost Total	\$371,620
		Funding Total	(\$371,620)
Total Project Cost	\$371,620	Total Unfunded	\$0

Capital Funding Plan	
Funding Prior to 2013	\$290,500
Six Year Funding Plan	
2013	\$0
2014	\$0
2015	\$81,120
2016	\$0
2017	\$0
2018	\$0
Subtotal	\$81,120
Total Funding Plan	\$371,620

Additional Annual Operations and Maintenance

Additional Annual O&M: \$0 **Funding Source:** Water Utility Enterprise Fund

Additional Annual O&M Description:

No increase, funded by existing operating budget



Project Name: Witemyer Ponds

Project at a Glance

Project Type:	Existing Facility – Rehab / Repair / Deficiency Correction		
Department:	PW/ Water Utility	Subcommunity:	Outside Planning Area
Funding Source:	Water Utility Fund	BVCPArea:	Outside Planning Area
Project Number:		Map Number:	0
CEAP Required:	No	CEAP Status:	NA

Project Description

This project provides funding for the lining of Witemyer Ponds based on the probability that Denver Water will receive a permit for the enlargement of Gross Reservoir in the near future. Based on the Intergovernmental Agreements (IGA) between Boulder, Lafayette and Denver Water, Boulder has agreed to use its water rights to fill the Environmental Pool to the degree that Lafayette is unable to do so with its water rights. Long term, Boulder’s Open Space and Mountain Parks Department (OSMP) would provide the necessary water rights and the Water Utility would provide space in a lined Witemyer Ponds complex. However, because OSMP currently doesn’t have any water rights that can readily be used for this purpose, the Water Utility would use its CBT and Windy Gap water to the extent it doesn’t affect municipal water deliveries. OSMP would pay the Utilities Division for the water that is used solely for this purpose since some of the water could be leased to downstream users. Detailed plans and studies are needed to determine how this will be accomplished. Longer term, OSMP would either change the water rights associated with some of its ditch company shares, or acquire new water. Although lining of Witemyer is not necessarily required to get the Gross program underway, it would be useful to recapture the dedicated instream flow water. Without the lined ponds, any water used for Gross will be lost and more overall water will be needed.

Funding allocated in the current CIP is for planning and design only. Construction funding (unfunded in the City 2013–2018 CIP) is allocated in the Water Utility 20–year CIP in 2019 and is expected to be fully allocated in 2019 in the City 2014–2019 CIP.

This project will begin in 2017
Costs:

1. Planning and Design: \$ 555,515
2. Land Acquisition: \$ 0
3. Construction: \$ 4,555,148 (2019)

The project is anticipated to complete construction in 2020.

Relationship to Guiding Principles

This project is consistent with the goals of the water utility as specified in the Boulder Revised Code and the Water Utility Master Plan. This project is consistent with the guiding principles based on the following considerations; 1) projects have been identified and prioritized through a Council accepted master plan; 2) capital improvements are designed to achieve community sustainability goals; 3) funds to operate and maintain the project or program have been identified; 4) adequate financial capacity and flexibility is available to respond to emerging, unanticipated needs; 5) the maintenance and enhancement of city-wide business systems is not relevant to the Utilities Division CIP because this issue requires a city-wide initiative and is captured elsewhere in the city CIP; 6) projects sustain or improve maintenance of existing assets before investing in new assets; 7) projects have been identified to meet legal mandates, maintain public safety and security, leverage external investments, promote community partnerships, reduce operating cost and improve efficiency; 8) when applicable capital projects have been screened through a cost/benefit analysis; 9) the CIP provides sufficient reserves to allow for a strong bond rating and the ability to address emergencies and natural disasters.

Public Process Status, Issues

The strategy for public process will be defined during next year’s budget process.

Relationship with Other Departments

None



Witemyer Ponds continued

Change from Past CIP

New project

Estimated Total Cost

Unfunded Amount

Project Cost

Unfunded Amount

Project Cost \$5,110,663

Project Cost Total \$5,110,663

Funding Total (\$555,515)

Total Project Cost \$5,110,663

Total Unfunded \$4,555,148

Capital Funding Plan

Funding Prior to 2013 \$0

Six Year Funding Plan

2013 \$0

2014 \$0

2015 \$0

2016 \$0

2017 \$100,000

2018 \$455,515

Subtotal \$555,515

Total Funding Plan \$555,515

Additional Annual Operations and Maintenance

Additional Annual O&M: Funding Source: Water Utility Enterprise Fund

Additional Annual O&M Description:

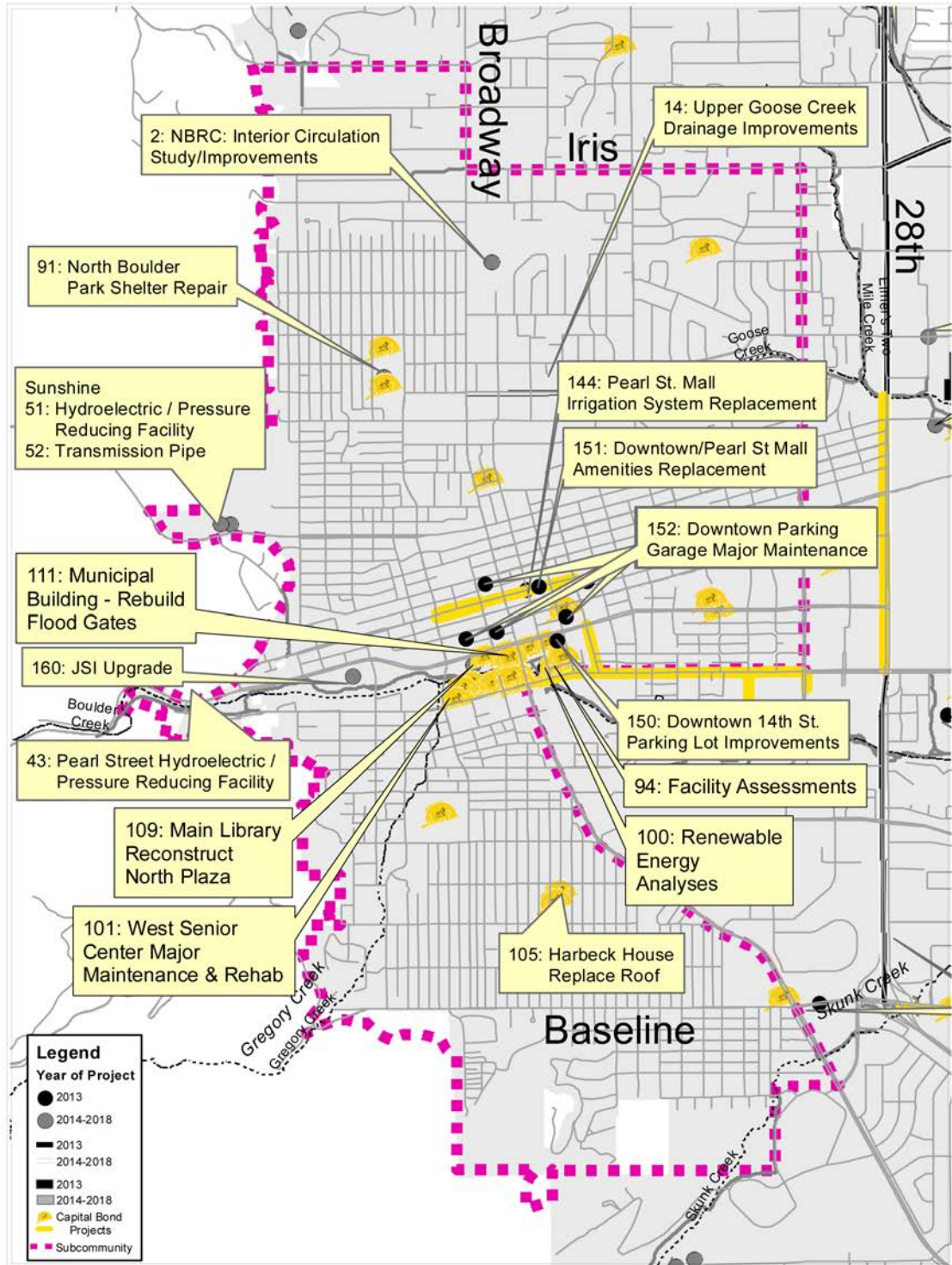
No increase, funded by existing operating budget.

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Capital Improvement Program 2013 – 2018

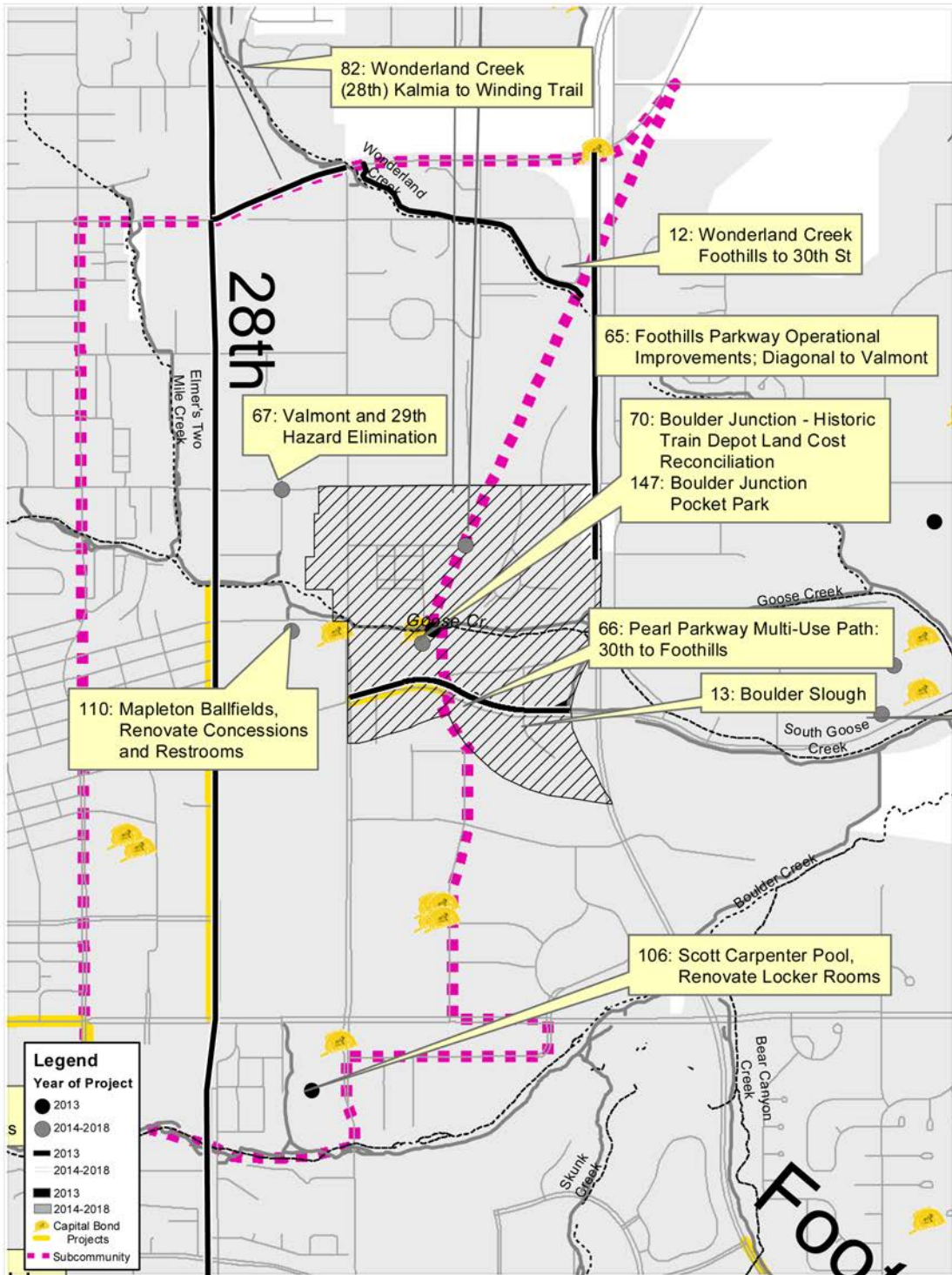
Central Boulder Subcommunity





Capital Improvements Program 2013 — 2018

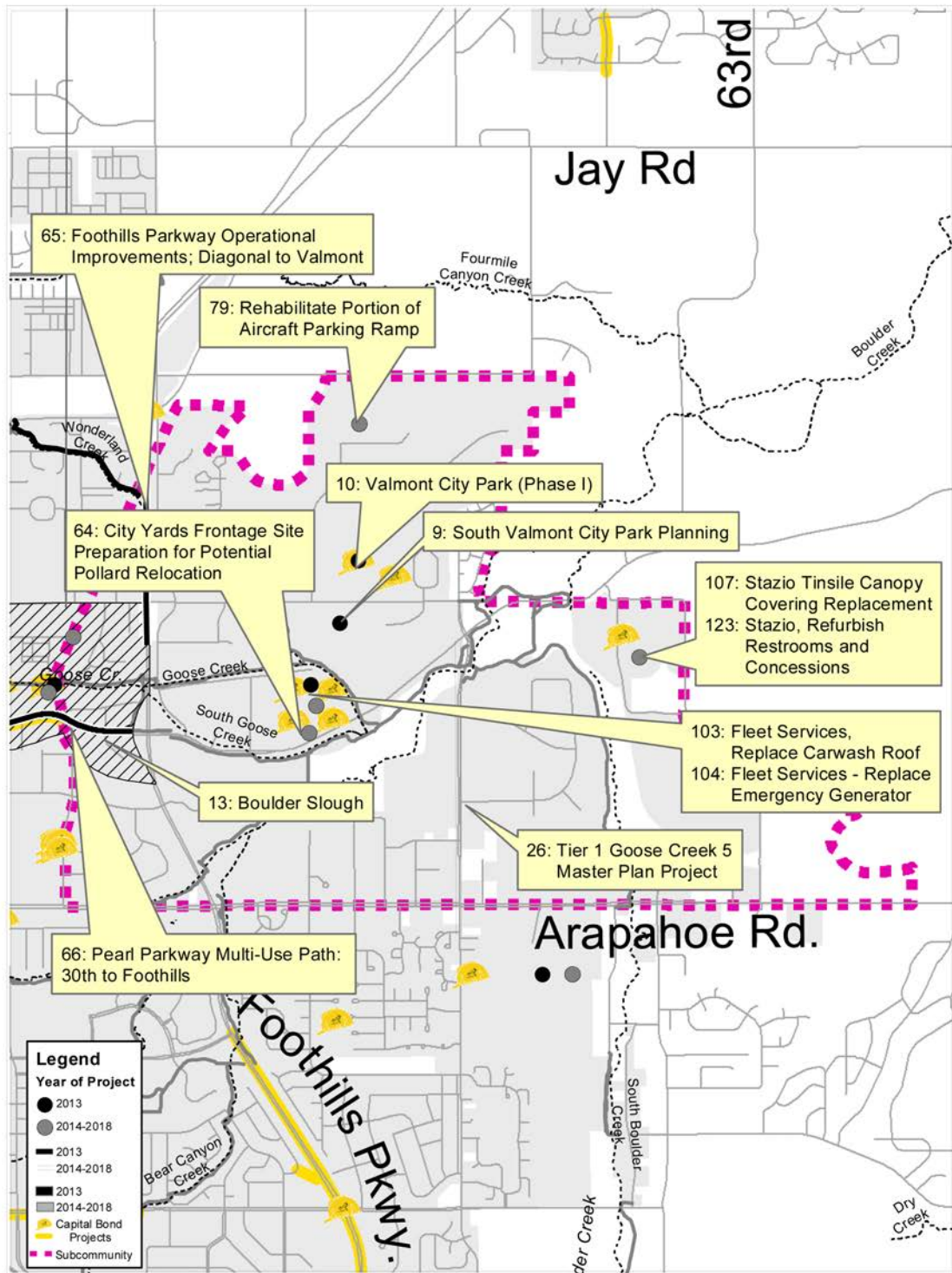
Crossroads Subcommunity





Capital Improvements Program 2013 – 2018

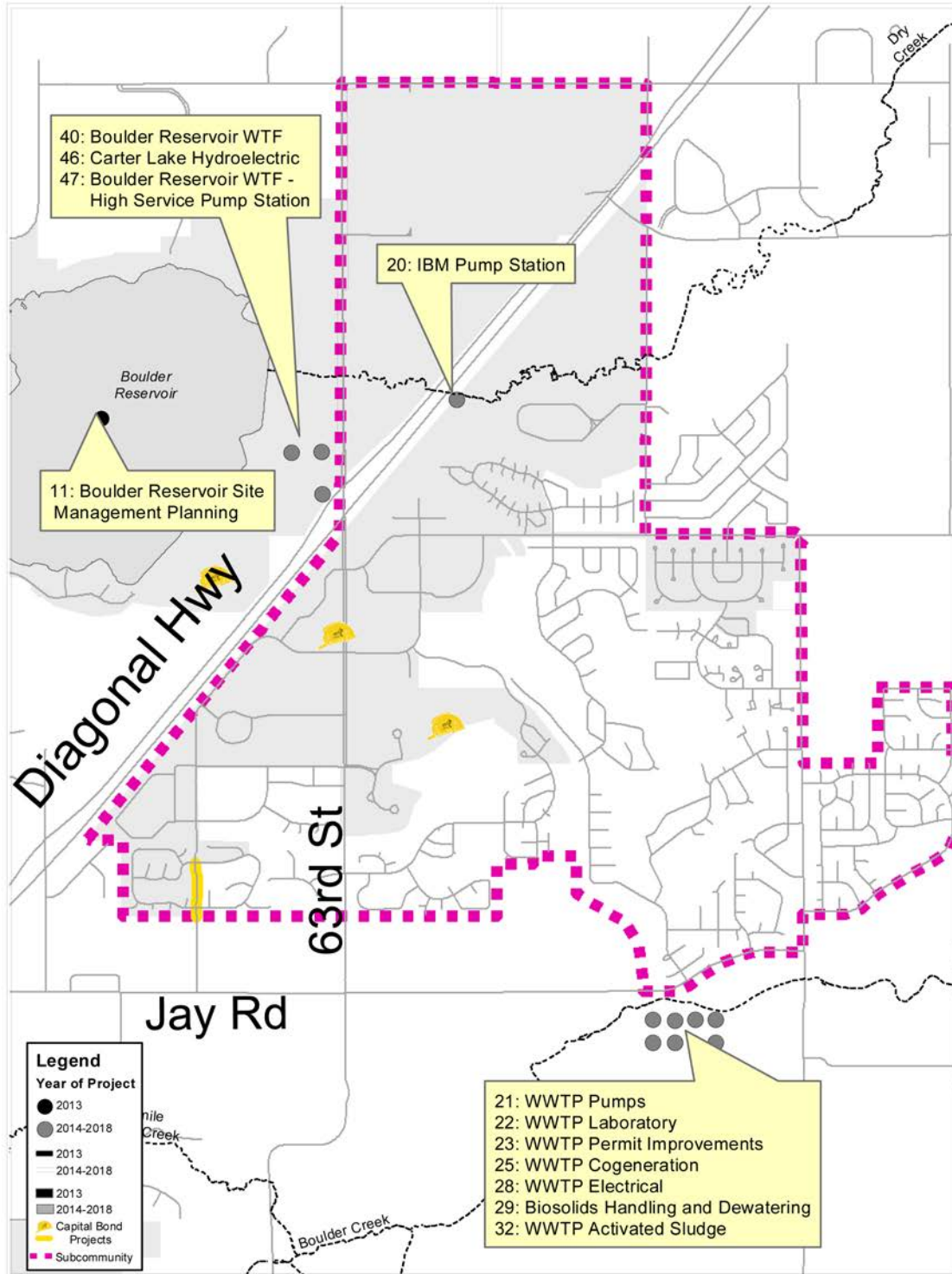
East Boulder Subcommunity





Capital Improvements Program 2013 — 2018

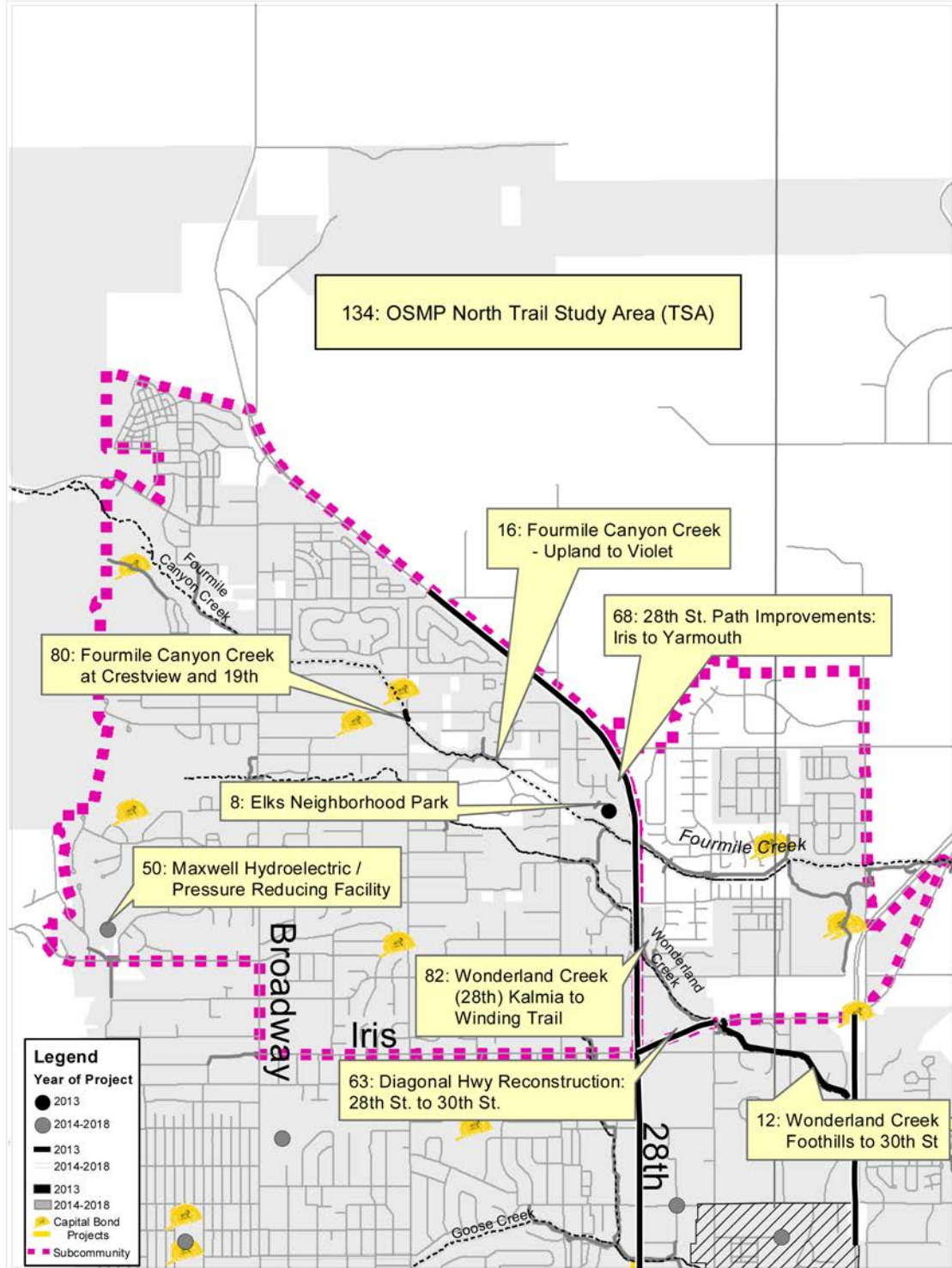
Gunbarrel Subcommunity





Capital Improvements Program 2013 – 2018

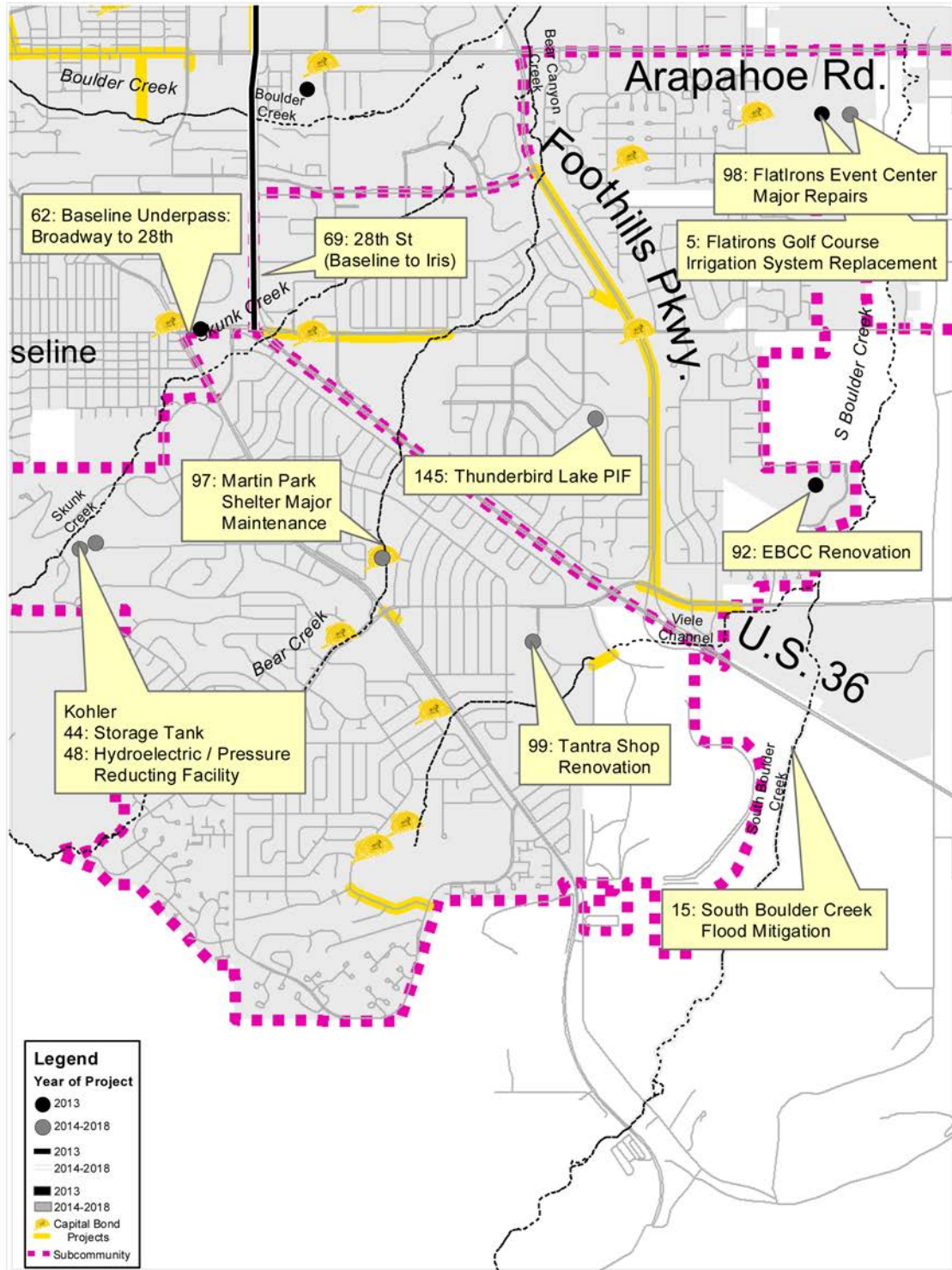
North Boulder Subcommunity





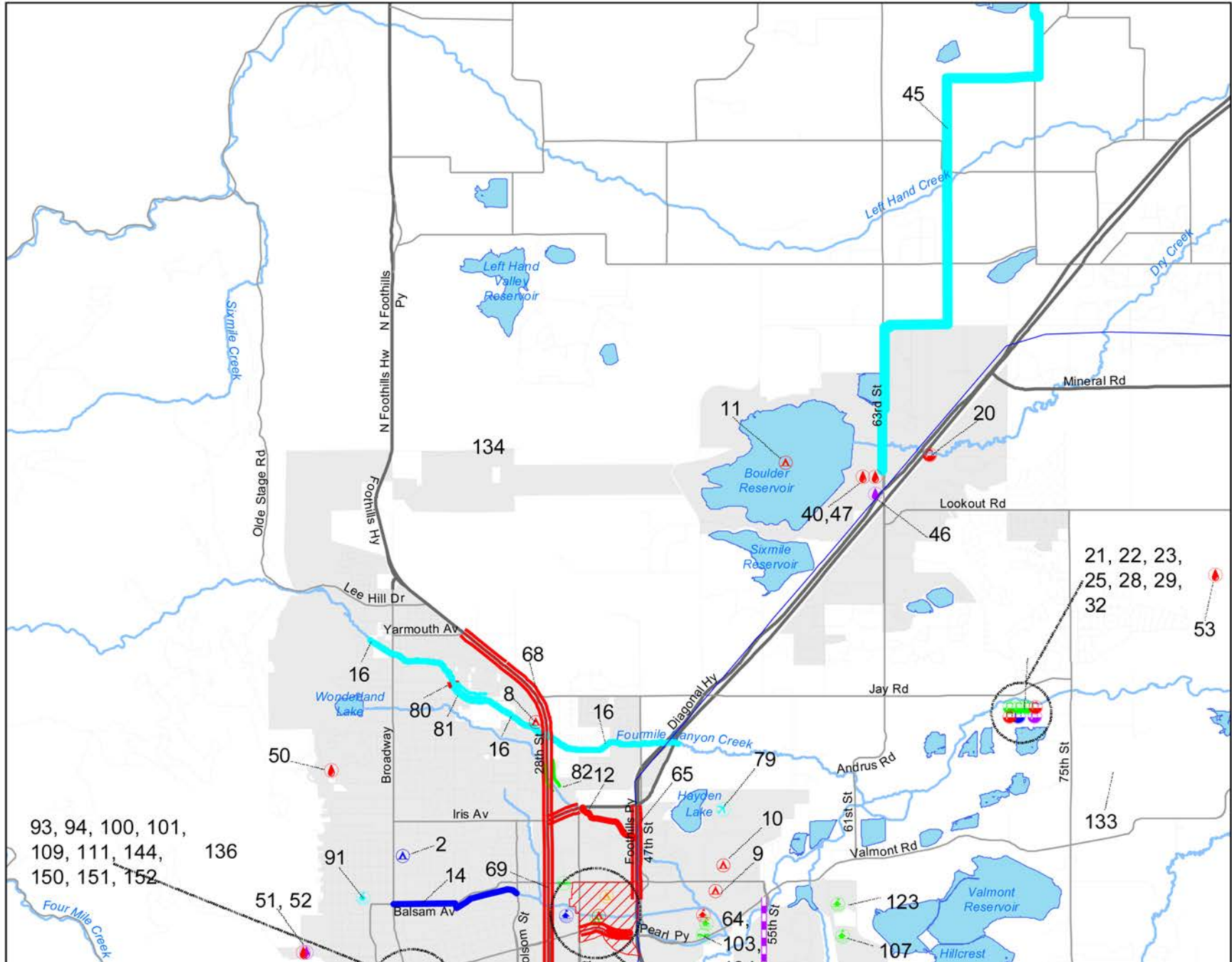
Capital Improvements Program 2013 – 2018

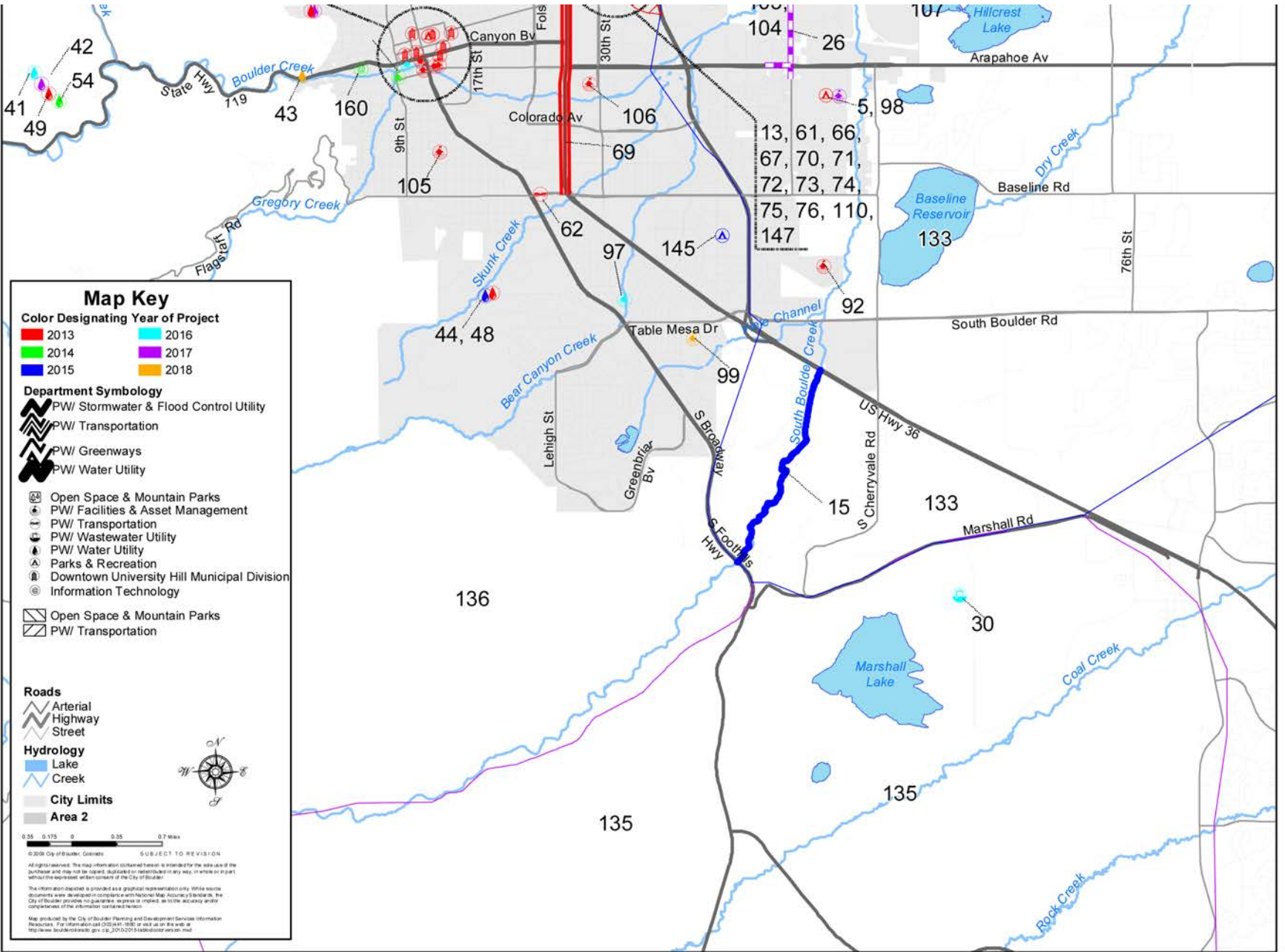
South & Southeast Boulder Subcommunities



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Capital Improvement Projects 2013 through 2018





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Appendix B, UNFUNDED PROJECTS

2013 – 2018 Capital Improvement Program

The provision of adequate urban facilities and services to support the community's quality of life is a core tenet of the Boulder Valley Comprehensive Plan. The Capital Improvement Program is a major tool for coordinating and targeting public capital expenditures within changing budget constraints. The goal is to maintain and, in some cases, enhance service levels and standards over time, with new growth paying fair share of the costs.

Historical Funding Patterns in Boulder

The city has a rich history of investing in the community and its quality of life. Prior to the 2000s, the community consistently invested significant resources in capital facilities. Funding was provided through a combination of ballot measures for specific facilities and land purchases, federal funds, and discretionary revenues. Examples of investments include:

- Buying park lands and open space
- Providing and upgrading public facilities such as libraries, recreation centers and sports fields
- Building places for community business and services such as the municipal campus buildings and operations centers such as the "Yards"
- Building multimodal community connections such as the Greenways system, bikeways, and intersection improvements
- Investing to create special places like the Pearl Street Mall and Chautauqua area. Today, community members and visitors continue to benefit from these many facilities and lands on a regular basis.

The 2000s, by contrast, were economically difficult more often than not at local, regional, national, and even global levels. The cost of delivering services and taking care of our infrastructure has increased dramatically. Global demand has resulted in the cost of energy and construction costs far outpacing the consumer price index. While there has been some relief in material costs recently, there is no sign that there will be a return to historic prices. At the same time, there have been two economic declines, increased regional competition, and cultural change in shopping habits impacting the revenue side of the equation. The city's revenue in absolute dollars has not returned to where it was in 2000. Furthermore, the purchasing power of current funding is significantly less than 2000.



Planning Efforts to Increase Capital Funding

At a City Council Study Session on Feb. 22, 2011, Council discussed and considered developing a new capital investment strategy for the city based on:

- A desire to revive the historic level of capital investment in the community.
- Difficulties experienced during the 2000s that have resulted in the city's constrained capacity for ongoing capital investment.
- Capital investments that address critical deficiencies first and high-priority enhancements second.
- Importance of assuring that any new assets or facilities have adequate new allocations of operating and maintenance funding.
- Methods and options for funding such capital investment needs through existing revenues and potentially new revenues.
- Lessons learned from experiences from other Colorado communities.
- Stakeholder processes and timelines that would support developing packages for the voters, including new revenues and bonding.

In order to create this new capital investment strategy City Council generally asked for staff to develop a work plan and stakeholder process for Council approval. The work plan, stakeholder process and timeline were endorsed by Council at its April 5, 2011 meeting. Council endorsed developing a capital investment strategy with existing revenues and asking voters in November 2011 for bonding authority based on those existing revenues. Council also was open to asking the voters for bonding authority in November 2012, with an additional ballot item asking for increased revenues by increasing taxes and/or fees. The Capital Investment Strategy committee was appointed by the City Manager to make recommendations on the Capital Investment project. The committee had two phases, "Round 1" was the 2011 bond package, and "Round 2" was the consideration of a 2012 bond package.

Round 1

Ballot Issue 2A, approved by the voters on Nov. 1, 2011, represents "Round 1" of the citywide Capital Investment Strategy: a 2011 bond package that does not raise taxes and funds a balance of significant deficiencies (defined as improvements or corrections that improve health and safety, maintain industry standards, and/or address legal/ballot requirements) to address maintenance and renovation of existing facilities as well as high priority facility enhancements.

To help determine which projects should be part of the 2011 bond package, the City Manager appointed a 16-member Capital Investment Strategy stakeholder Committee in May 2011. The committee finalized its Round 1 recommendations on July 11. The committee recommended a \$49 million bond package, which was unanimously supported by City Council, and approved by voters in the November 2011 election. The bond will pay for a list of necessary but previously unfunded projects like roadway repair and reconstruction, park infrastructure improvements, critical



software updates, police equipment replacement, installation of missing links in the bike and pedestrian network, and more. For full details see the Capital Improvement Bond section earlier in this document.

The bond requires that 85 percent of the \$49 million be spent in three years. On Jan. 30, 2012, the city broke ground on the first bond project, a multi-use path project along the south side of Baseline, near the University of Colorado's Williams Village complex. Throughout the next few years, there will be more construction and improvements occurring along roadways, bike paths, in city buildings and in parks. A website has been created that will allow the community to track the progress of implementation of the bond projects at www.bouldercolorado.gov/bondprojects.

Round 2

Round 2 of the Capital Investment Strategy project involved considering a bond package for a potential future ballot that would raise new revenues with an emphasis to invest in high priority new or expanded community facilities, including ongoing operation and maintenance costs, and fund other significant deficiencies not addressed in the 2011 initiative.

Staff began working with the Capital Investment Strategy Committee (CISC) on Round 2 in July 2011 and held a final committee meeting on Feb. 6, 2012.

The purpose of Round 2 of the Capital Investment Strategy was to:

“Develop a bond package for possible consideration in 2012 that raises new revenues to invest in capital projects that ‘make Boulder *Boulder*’ and includes ongoing operating & maintenance to support those projects.”

The CISC felt that in order for voters to approve a second round of capital improvements, which would require a tax increase, the projects would need to be significant and inspiring with a broad community benefit. It is important to note that because of this, the list did not include the significant deficiencies which were considered in Round 1. Therefore, Figure B-1 is not a comprehensive list of all unfunded needs in the city.

On Jan. 19, the CISC delivered a letter to City Council with Round 2 recommendations about:

- Timing (why 2012 is not the time to move forward on a Round 2 ballot initiative)
- Guiding principles for selecting Round 2 projects
- Top 10 projects to be considered for further study and refinement, potentially on the 2012 work plan and through master plan updates.

One of the key reasons that the CISC recommended against moving forward with a 2012 bond initiative is that many of its highest priority projects have not yet been fully evaluated or planned, and the projects' feasibility, scope and costs are currently unknown (or are only roughly estimated



or described at this time). Additionally, public opinion polling conducted by Talmey–Drake Research in early January indicates a lack of sufficient support for a 2012 bond initiative that would raise taxes for new initiatives (see www.bouldercolorado.gov/cis under “Background”).

Additional Efforts to Evaluate Unfunded Projects

The CIS Round 1 and Round 2 processes provide multiple benefits to the city including enhanced coordination across departments, refining priorities across the city and generating input from community members. The city is committed to quality and timely implementation of the Capital Improvement Bond (Round 1) projects, building credibility and confidence in the community as well as to apply lessons learned to future prioritization efforts, Master Plan updates, and the Civic Area plan.

The status and potential next steps of the Round 2 unfunded capital projects that the committee reviewed are summarized in Figure B-1. The projects on the list came from adopted master plans and new ideas submitted by the city and members of the public. In the table, the projects are listed in the order that the CISC prioritized them, based on the score that each project received in a dot voting exercise at one of the CISC’s last meetings. It is important to note that the CISC prioritization was for projects that the committee felt were most worthy of *further study*.

The committee recognized that with further planning and evaluation, projects might change in scope and cost and some might even be deemed unfeasible. Several committee members indicated in the Round 2 debrief that they might have scored projects differently if they’d had more information.

If the committee had recommended moving forward in 2012, projects would have been more fully fleshed out, there would have been more time for committee discussion and deliberation along the lines of what was done in Round 1, and there would have been a public outreach process to get feedback on bond package options before the CISC made a final recommendation.

The CISC’s top priority project—the Civic Area Plan—is currently on the city’s 2012 Work Plan. The project is expected to be completed in 2013 and will include consideration of many of the ideas suggested in the Civic Center Cultural Complex, a project that was submitted as a “new idea” from the public.

Master Plans

One of the most logical places to further prioritize other unfunded capital needs on the list is through the city’s departmental master plans, since City Council acceptance of master plans provides direction on city priorities for capital improvements. Master plans include the following key elements:

- Evaluation of program and facility needs in relation to adopted level of service standards

Appendix B, Unfunded Projects



- Prioritization of services, projects or programs
- Three funding plans—fiscally constrained, action, and vision.

Departmental master plans include funding plans at three levels.: 1) Fiscally Constrained Plan – a prioritized service plan within existing budget targets; 2) Action Plan –the next step of service expansion or restoration that should be taken when funding is available either within current revenue sources or if new sources become available; and 3) Vision Plan – the complete set of services and facilities desired by the community and aligned with values and policies, with alternative proposals to fund them.

As it happens, seven master plan updates or development processes are either underway or will be started in 2012. These include:

- Transportation Master Plan
- Parks and Recreation Master Plan
- Fire-Rescue Master Plan
- Police Master Plan
- Facilities and Asset Management (FAM) Master Plan
- Visitor Master Plan
- Housing and Human Services Master Plan.

Therefore, many of the projects in the Round 2 list will be considered and prioritized through master plan update processes this year. While the planning processes will vary for each master plan, most will include public outreach and all will be considered by one or more boards and presented to City Council for final acceptance. High priority unfunded capital projects will be identified in the fiscally constrained, action or vision plan of its respective master plan. Once these master plan updates are complete, the unfunded list contained in the CIP will be more comprehensive, with some prioritization.

One of the lessons learned from the CISC process is that it would be helpful if Action Plan funding scenarios within master plans included a list of projects in order of priority. This action would provide guidance about the desired next set of strategic capital investments for each department if additional funding becomes available.

For current information on the process, committee recommendation, and projects visit www.bouldercolorado.gov/cis.

Table B-1: Unfunded Capital Projects List

Category	Score	Project Name	Total Est. Cost	Project Description	Status
New Ideas	48	Civic Center Area Planning	TBD	Implementation of the Civic Center Master Plan, an effort planned for 2012, focused on "the public realm" in the area south of Canyon Boulevard and encompassing the civic center area, from 9th street to 17th street and south to Arapahoe. Staff will be working in the last quarter of 2011 to define the scope of the civic center planning effort to bring before Council in early 2012.	Currently on the 2012 Workplan
New Ideas	28	Greater University Hill Infrastructure Investments	\$ 7,560,000	Construct residential pedestrian lighting, residential gateway features, commercial area interactive kiosks, event street pilot program, and street tree irrigation. This project is an essential component of a multi-pronged approach to Hill revitalization, which in this context includes both the commercial district and residential neighborhood.	Will be considered as part of the University Hill Revitalization Strategy
New Ideas	27	Long's Garden Property Study	TBD	Purchase of a conservation easement on the 25 acre Long's Gardens property to preserve the property in its current agricultural condition and provide for minor modifications to support the Growing Gardens non-profit organization which leases the east half of the property.	New appraisal of property/conservation easement is underway. To be discussed further by Council upon receipt of valuation data. Council discussion needed on potential uses.
Action Plan	27	Complete Streets – first tier projects	\$ 21,500,000	Upgrade key sections of streets to accommodate all transportation modes. Projects include completing improvements along a major section of 28th Street, creating an urban cross-section on the Diagonal between 30th and 47th Streets, completing improvements along 28th street and provide funding for transportation improvements which will be identified by three planning processes	Will be considered in Transportation Master Plan (TMP) Update
Action Plan	23	Boulder Junction Round 2 Transportation Projects	\$ 7,306,000	Complete the key infrastructure elements for the Phase 1 development in Boulder Junction. Projects may include connecting Junction Place to Prairie, completing the multi-use pathway from 30th to Junction Place along Farmer's Ditch, extending a multi-use path north of Goose Creek and installing bike share stations.	Identified in Transit Village Area Plan implementation plan & TMP
New Ideas	21	Streetscape Improvements	\$ 7,000,000 to 43,000,000	Beautify the city by designing, installing, and potentially providing ongoing maintenance for streetscape and median improvements along key streets throughout the city as part of the Sustainable Streets and Centers project.	Will be considered in Transportation Master Plan Update and/or Sustainable Streets and Centers
Vision Plan	21	Library–North Boulder Branch	\$ 4,161,500	Construction and Furniture, Fixtures & Equipment (FF&E) for a 13,000 sf library branch, including an opening day collection, in the North Boulder neighborhood. Annual operating and maintenance (O&M) and staffing costs are also included. At this time a donated piece of land has been identified for this proposed project.	Will be considered in Library Master Plan update
Action Plan	20	Fire Facilities – Station 3/ Administration / Storage	\$ 17,000,000	Relocate Fire Station #3 out of the 100 year floodplain, and combine and co-locate the new Fire Station #3 and Fire Administration Offices and construct storage for fire vehicles and equipment into one new facility.	Will be considered in Fire-Rescue Master Plan Update
New Ideas	18	Civic Center Cultural Complex	TBD	Construct a state-of-the-art cultural complex that clusters major city cultural assets on one site, and could accommodate museums, performance/concert hall, conference center, galleries, larger Amphitheater, Food Catering Services, an expanded 13th Street farmers market, all providing a backdrop to our iconic teahouse and BMOCA buildings.	Will be considered as part Civic Center planning currently underway
Vision Plan	18	Neighborhood Placemaking	\$ 3,000,000	Enhance neighborhoods through streetscapes, pedestrian improvements, play-streets, etc. Work with interested neighborhoods to identify improvements that create a sense of place and enhance safety while also preserving community mobility.	Will be considered as part of Sustainable Streets and Centers project currently underway
New Ideas	16	Solar Grid expansion	\$ 4,000,000	Expand the existing photovoltaic system at the Boulder Wastewater Treatment Plant to 2 Megawatts (to generate 40% of total power needs) and a new 2 Megawatt photovoltaic system at the Boulder Reservoir Water Treatment Plant (to generate 100% of total power through a public/private partnership).	The Utilities Division will consider soliciting proposals/bids in 2012/2013 from Solar developers to better understand the current economic
Vision Plan	15	City-Wide Energy Efficiency Projects and Programs	\$ 2,000,000	Complete energy efficiency projects and programs including: replacing single pane windows with double pane windows at the Municipal Building, New Britain, Atrium, Fire Stations, and other city facilities; installing building automation systems to remotely monitor and control building settings and performance; and fund a contracted service to provide 24/7 monitoring and analysis of a building's energy performance to maintain peak performance of existing systems. These are projects which could not be accomplished as part of the energy performance contracts due to the longer payback period.	Will be considered in Facilities and Asset Management Master Plan update
Significant Deficiencies	13	Arapahoe Reconstruction	\$ 5,000,000	Reconstruct Arapahoe from Broadway to Folsom. Round 1 provides partial funding for this project, this increment completes it. Replace curb and gutter, upgrade sidewalks and drainage, etc	Will be considered in TMP Update

Table B-1: Unfunded Capital Projects List (Cont.)

Category	Score	Project Name	Total Est. Cost	Project Description	Status
New Ideas	12	Local Food Infrastructure	TBD	Purchase and construction of necessary infrastructure to support local food production for the Boulder Valley. Several projects already proposed could address this such as the Long's Gardens acquisition, Civic Center/Farmer's Market, and even Ted Turner's proposed bison gift to the city. The project would include a planning effort and construction of necessary community infrastructure.	3 city departments as well as Boulder County working on various local food efforts. A draft of the 2010 BVCP Action Plan calls for exploring city and county coordination regarding local food efforts
Action Plan	11	Athletic Field Improvements	\$ 24,000,000	Design and development of new improved Athletic Ball Fields in support of various special uses such as softball league play, little league and legion league play and multi-use practice field needs. The following projects represent investments to improve athletic field complexes located at various locations through-out the city including Valmont City Park, Stazio Complex and Foothills Community Park.	Will be considered in Parks and Recreation Master Plan update
Action Plan	11	Bicycle and Pedestrian Safety on Street System	\$ 7,456,000	Address bicycle and pedestrian safety issues and encourage multimodal travel along major corridors.	Will be considered in Transportation Master Plan Update
Action Plan	11	Transform northern leg of 204 into high frequency service	\$ 380,000	Increase frequencies to 10 minutes mid-day. Consider minor route adjustments to optimize service. The 204 runs on 19th/20th Street from downtown north, and sees heavy use by CU and Boulder High students, as well as others coming downtown.	Will be considered in Transportation Master Plan Update
Vision Plan	10	Pearl Street Mall Improvements	\$ 6,000,000	Design and development required for revitalization improvements to the Pearl Street Mall to address aging civic space improvements such as; tree, amenity and hard surface paver replacements, new signage and seating amenities and other improvements necessary to maintain a dynamic and engaging public venue and economic attraction for the community.	Will be considered as part of Parks and Recreation Master Plan Update
Action Plan	10	Multi-use path connections - first tier projects	\$ 12,340,000	Complete a number of important pathway connections, including: Confluence area (where Boulder Creek and South Boulder Creek conflow), Wonderland Creek at 28th, Table Mesa park-n-Ride, smaller missing links in the system. The completion of the first and second tier projects would represent significant progress towards completing the city's pathway system.	Will be considered in Transportation Master Plan Update
New Ideas	8	New Aquatic Facility	\$ 10,800,000	Construct a large aquatic facility potentially including indoor and outdoor pools, leisure pools and other water play features.	Will be considered in Parks and Recreation Master Plan update
New Ideas	8	Extend the Pearl Street Mall	TBD	Extend the Pearl Street Mall pedestrian area west to include the 1100 block of Pearl Street, in conjunction with the redevelopment of the Daily Camera site redevelopment.	Will be considered in DUHMD/PS Master Plan
New Ideas	8	Studio Arts education center	TBD	Construct a arts education center for Studio Arts Boulder, including special facilities, equipment, and education such as glass-blowing or glass-working, ceramics, sculpture, woodworking, metal-working, print-making, and other art forms through a public private partnership	Will be considered in Parks and Recreation Master Plan or Cultural Master Plan update
Action Plan	8	Boulder Reservoir Enhancements	\$ 5,000,000	Design, remodel and/or replacement of existing structures (administrative, marina and maintenance buildings), demolition of existing security bldg, and new boat and camp equipment storage structure facility. Other improvements include: upgraded ADA compliant playground areas, outdoor performance venue and beach areas, wayfinding and signage replacements; wildlife management (prairie dog) areas, feeder canal trail, Westshore trail system, fencing and Northshore/Coot Lake	Will be considered in Parks and Recreation Master Plan update
Action Plan	8	Bike Parking/Bike Share System	\$ 1,250,000	Bike Parking/Bike Share capital expansion. Provide bike parking at key locations in the public right of way, along high use corridors and at major destinations. Bike parking surveys and community input would be used to identify locations for approximately 25 new stations. Provide capital costs to expand the bike share system to serve more areas of the community and with a greater density of kiosks.	Will be considered in Transportation Master Plan Update
Action Plan	8	Library and Arts - Carnegie Branch Masonry Repair	\$ 275,000	Complete the masonry repairs identified in the 2005 Historic Structure Assessment. The Carnegie Branch Library building was constructed 1906.	Will be considered as part of Library Master Plan update
Significant Deficiencies	8	Operations and Maintenance of the existing system	TBD	Provide funding to maintain existing transportation system at acceptable levels of services. Includes snow plowing and street sweeping, signs, lights, striping, pavement repair, landscape care. Maintain transit services at 2011 levels. This is the highest priority of the Transportation Master Plan and the most critical need identified by Transportation Division staff for new funding.	Will be considered in Transportation Master Plan Update
New Ideas	6	Chautauqua 2020 Vision Plan Implementation	TBD	Implement the recommendations from the Chautauqua Stewardship Framework (in progress) and Chautauqua 2020 Plan; potentially including: Relocating back office functions, additional bathroom facilities, additional meeting and event space, year-round dining hall experience, create a visitors center, relocate the picnic shelter, trailheads, transit program, undergrounding utilities, improve stormwater drainage, implement the CLA.	Will be considered after the conclusion of the Chautauqua Framework Study.

Table B-1: Unfunded Capital Projects List (Cont.)

Category	Score	Project Name	Total Est. Cost	Project Description	Status
Action Plan	6	Library and Arts – Main Library Renovation	\$ 5,347,900	Remodeling and refurbishing several areas of the Main Library, including the second floor areas and bridge, relocation of the Arapahoe entrance, addition of 1,000 sq. ft. to the second floor, renovating the basement and north wing, and various HVAC and minor repairs.	Will be considered as part of Library Master Plan update
New Ideas	5	Boulder Indoor Soccer Facility	TBD	Construct a state of the art indoor soccer facility, by providing land for the construction of a new facility.	Will be considered in Parks and Recreation Master Plan update
New Ideas	5	Cable Wakeboard Park	TBD	Construct a cable wakeboard park on an existing lake or new lake. A cable wakeboard park uses a cable system to pull participants around the lake on wakeboards without the need for a boat.	Will be considered in Parks and Recreation Master Plan update
Vision Plan	5	Recreation Center Facility Enhancements	\$ 14,000,000	Enhancements at North Boulder Recreation Center (Expansion of weight room and program space, front desk remodel, new recycling facilities); East Boulder Recreation Center (Facility/entry remodel, additional gymnasium, multi-purpose art room and program areas, outdoor covered patio, concessions, expanded leisure pool and weight room, remodel of office/meeting space); South Boulder Recreation Center (Leisure/therapy pool, raised indoor running track, high-tech teen area, concessions area, program, office space and multi-purpose rooms, indoor playground, child care	Will be considered in Parks and Recreation Master Plan update
Action Plan	5	Improve safety and replace substandard structures on multi-use pathways and pedestrian system	\$ 8,150,000	Improvements to sight lines, strategic widening in high volumes areas, replacement of two Foothills overpasses (not ADA compliant) with underpasses, addressing safety issues at Broadway & Kittredge Loop underpass, replacement of deteriorating asphalt paths with concrete.	Will be considered in Transportation Master Plan Update
Action Plan	5	Flatirons Events Center Redevelopment and Golf Course Improvements	\$ 9,200,000	Redevelopment of an Events Center to address environmental, health and building code issues associated with the existing structure and to respond to potential market and revenue opportunities as defined by the Flatirons G.C. business plan (2010). Improvements will include course modifications that may be required as a result of the new events center redevelopment, including: drive and parking lot enhancements and realignment of hole 9 at the course entry.	Will be considered in Parks and Recreation Master Plan update
New Ideas	4	Quiet zones	\$ 8,000,000	Build infrastructure to install quiet zones at Boulder area crossings. Includes upgraded medians and crossing gates, and upgraded circuitry.	Will be considered in RTD Northwest Rail and Transportation Master Plan Update
New Ideas	3	Outdoor Sport multi-field complex	TBD	Construct an outdoor sport multi-field complex, including multiple contiguous lined turf and/or grass fields available for rent to area youth lacrosse, football, ultimate frisbee, and soccer organizations.	Will be considered in Parks and Recreation Master Plan update
New Ideas	3	Pottery Lab	TBD	Fund the public private partnership for the Pottery Lab under the name of The Betty Woodman Center for Ceramic Arts, and make the facility energy efficient and provide expanded programming.	Will be considered in Parks and Recreation Master Plan update
Action Plan	3	City and Community Park Improvements	\$ 8,500,000	Design and development of various city and community parks including: Valmont City Park, Foothills Community Park, Harlow Platts Community Park, and East Boulder Community Park.	Will be considered in Parks and Recreation Master Plan update
Action Plan	3	Establish new high frequency transit service on 28th and Folsom	\$ 3,000,000	Launch the ORBIT, as identified in the Transportation Master Plan. Buses would run every 10 minutes, as on the SKIP, JUMP and BOUND. Consider including Folsom in the route.	Will be considered in Transportation Master Plan Update
Action Plan	2	Transit stop enhancements	\$ 1,580,000	Enhance transit stops by improving superstops and high use stops and adding basic amenities at all stops. Provide funding for regular maintenance. Add bike share and car share connections at key locations to facilitate the final mile of travel.	Will be considered in TMP Update
Action Plan	1	Library-North Boulder Service Outlet	\$ 224,250	Establishing and operating a limited library service outlet in the North Boulder neighborhood. The service outlet (40 hours per week) would be housed in rental space, approximately 1,500 sf, with the necessary tenant improvements required to provide library patrons with collaborative meeting space; access to library collections and technology; and staff assistance.	Will be considered as part of Library Master Plan update
Action Plan	1	Neighborhood Park Improvements	\$ 8,390,000	Design and development for neighborhood park improvements that are determined based on critical growth areas, levels of service requirements and unmet needs related to capital improvements, repairs and refurbishments. New Parks may include: Violet Park and Heatherwood Park and pocket parks such as; Gunbarrel Area Park (land acquisition and development), Ann Armstrong Park and Sinton Park. Existing improvements would occur at Eben G Fine and Scott Carpenter Parks.	Will be considered in Parks and Recreation Master Plan update

Table B-1: Unfunded Capital Projects List (Cont.)

Category	Score	Project Name	Total Est. Cost	Project Description	Status
Action Plan	1	14th & Walnut Multimodal Transportation Center	\$ 4,100,000	Complete improvements at Boulder's downtown transit center, including bus operational improvements, pedestrian improvements, building retrofits, improved bicycle access and accommodations. Expand the range of multimodal transportation opportunities, including electric vehicle charging, car share vehicles, a bike station, and a transportation resource center. Increments of funding have been received from CDOT FASTER Funds and there is a portion in CIS Round 1 Funding.	Will be considered in Transportation Master Plan Update
Action Plan	1	Transportation Resource Centers	\$ 1,000,000	Construction of transportation resource centers/bike stations at 14th & Walnut and at Boulder Junction. Could include information kiosks, Eco Pass distribution, secure bike storage, service and accessory sales. At 14th & Walnut, the current open space at the transit station would be enclosed, providing a secure and comfortable environment.	Will be considered in Transportation Master Plan Update
New Ideas	0	Public Safety Building Expansion and IT Consolidation	\$ 5,900,000	Construct a 9,700 square expansion for Police functions, and a 6,400 sf addition for IT offices, with additional parking for 30 to 50 spaces in a parking garage, along with associated renovations to the existing facility.	Will be considered in space study being conducted in 2012, as part of Facilities and Asset Management Master Plan and Police Master Plan updates
New Ideas	0	Building for Outdoor Industry non-profits	TBD	Develop a permanent office building for outdoor industry non-profit organizations, such as the International Mountain Bike Association (IMBA), Outdoor Industry Association (OIA), Access Fund, etc.	Will be considered in Civic Center planning underway
New Ideas	0	Science Museum	TBD	Construct a science museum in the downtown civic center area of at least 10,000 square feet in size in a new or remodeled building.	Will be considered in Civic Center planning underway
New Ideas	0	Wave Garden at the Boulder Reservoir	TBD	Construct a wave garden, or wave generating pool as additional adjacent feature to compliment the boating, sailing and boarding opportunities afforded by the Boulder Reservoir or nearby facility.	Will be considered in Parks and Recreation Master Plan update
Vision Plan	0	Historic / Cultural Facility Improvements	\$ 1,000,000	Conservation and preservation of important historical and cultural assets in the community that are managed by the Parks and Recreation Department. Ongoing historic/cultural facility upgrades associated with Chautauqua Park, Harbeck House, Pottery Lab, and the Arts Center will address ADA compliance needs, improved programming and office, storage and display area as needed for each facility asset.	Will be considered in Parks and Recreation Master Plan update
Vision Plan	0	Park and Recreation Land Acquisitions	\$ 8,000,000	New parks and recreation land acquisitions that are required for critical growth areas to accommodate existing and future residential areas and subsequent level of service requirements in the community. Park land acquisition funds are necessary to support the livability and needs of neighborhoods and the overall community. New park land may include; Gunbarrel Area Park (land acquisition and development), and other undefined parks and recreational facility needs.	Will be considered in Parks and Recreation Master Plan update
Vision Plan	0	Public Works and Parks & Recreation Maintenance Facilities Colocation	\$ 5,200,000	Relocate the Park Operations and Forestry service area into the Municipal Service Center (city yards) including additional structures, renovations of existing structures, and additional parking would be constructed.	Will be considered in Parks and Recreation Master Plan update
Action Plan	0	Scott Carpenter Pool and Park Enhancements	\$ 7,200,000	Scott Carpenter Pool improvements including: ADA compliant restroom facilities and bathhouse; landscape, turf, irrigation & hardscape areas, wetland regulatory compliance, improved outdoor pool plaza areas; upgraded pump house and filtration system, parking lot & access upgrades. Park improvements would include the land acquisition of the existing fire station at the corner of Arapahoe and 30th Street and redesign of the corner parcel to include a refurbished skate park, new park entry signage, landscape and irrigation improvements.	Will be considered in Parks and Recreation Master Plan update
Action Plan	0	Complete Streets - second tier projects	\$ 4,400,000	Continue progress towards transforming the city's major corridors into complete streets, as envisioned in the Transportation Master Plan (TMP). This includes creating an urban street section on Pearl between 47th and 55th, and adding shoulders on 71st Street between Lookout and SH 52. The completion of the first and second-tier complete streets projects, along with other Round 1 and 2 investments, would address most of the high-priority multimodal corridors.	Will be considered in Transportation Master Plan Update
Action Plan	0	Multi-use pathway connections - second tier	\$ 9,815,000	Significantly increase connectivity in north and south Boulder by building new sections of pathway and new underpasses along the Greenway system. Several projects are included: missing links along the Wonderland and Fourmile greenway systems, new underpasses along Skunk Creek (at Moorhead) and Bear Canyon Creek (at Table Mesa). It would also complete the northern section of a multi-use pathway along 28th Street.	Will be considered in Transportation Master Plan Update
Action Plan	0	Traveller information system	\$ 2,000,000	Provide real-time information for system users to help inform travel choices. Provide in-depth information about system use for analysis and measurements. Includes real-time counters and cameras on multi-use paths and on key arterials which feed an on-line, real-time publicly accessible site. The system will use the data to estimate overall system use and travel delays.	Will be considered in Transportation Master Plan Update

Table B-1: Unfunded Capital Projects List (cont.)

Category	Score	Project Name	Total Est. Cost	Project Description	Status
Action Plan	0	Fire&Police&CDL – Driver Training Course, FTC Phase 2	\$ 1,700,000	Construct a concrete driver training area totaling approximately 200,000 sf at the Regional Fire Training Center. This project was approved as a future phase of improvements in the original development approval. Additional land may be required from Utilities with the possible construction of the Wildland Fire Facility at the FTC along with prairie dog mitigation.	Ready for funding, some site planning needed if Wildland Fire Facility is constructed at FTC.
Action Plan	0	Play Court Improvements	\$ 6,000,000	Combination of maintaining and repair of existing play courts and the addition of new facilities to meet current and future demand. Resurface, repair and/or reconstruction of existing and new tennis and basketball courts at specific park locations. Reconstruction of existing courts will include new sub-base material and concrete surface, seal and paint, fencing and netting as required.	Will be considered in Parks and Recreation Master Plan update
Action Plan	0	South Boulder Gateway Features	\$ 4,500,000	Create gateways at south end of Boulder on Broadway and at US36/Foothills. Broadway improvements include curb and gutter, medians, water-wise landscape and gateway features. US 36/Foothills improvements include replacing irrigated lawn with water-wise landscaping and gateway features. Maintaining the landscaping at this interchange currently requires significant amounts of water and staff time.	Will be considered in Transportation Master Plan Update