

**Fiscal Years 2014-2018**

# Capital Improvements Program



**City of Bozeman,  
Montana**

**City of Bozeman, Montana**

**Adopted**

**Capital Improvements Program**

**For Fiscal Years 2014-2018**

**Presented And Adopted During Public Meetings held**

**Nov – Dec 2012 and January 2013**

**City Commission**

**Sean Becker, Mayor**

**Jeff Krauss, Deputy Mayor**

**Cynthia Andrus, Commissioner**

**Chris Mehl, Commissioner**

**Carson Taylor, Commissioner**

**Chris Kukulski, City Manager**

**Anna Rosenberry, Administrative Services Director**

**Stacy Ulmen, City Clerk**

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## **CITY OF BOZEMAN - Vision, Mission, and Goals**

Vision: **Bozeman, Montana:**

The most livable place.

Mission: To enhance the quality of life through excellence in public service.

Goals:

1. Encourage and promote opportunities for citizenship.
2. Provide and communicate quality customer service.
3. Build a strong team of staff, elected officials and citizens.
4. Anticipate future service demands and resource deficiencies and be proactive in addressing them.
5. Develop a visually appealing and culturally rich community.
6. Commit to a strong financial position.
7. Provide excellent and equitable public services which are responsive to the community within available resources.

## **Adopted Work Plan – Adopted at the Commission Meeting held February 27, 2012**

- 1. Implement the adopted economic development plan, integrating economic development principles throughout the organization (Fontenot/McHarg/Arkell)**
  - a. Implement community development service delivery system changes
  - b. Commitment to a business-friendly process with a focus on retention and expansion of existing local businesses
  - c. Expand Planning Director administrative approvals
  - d. Implement administrative deviation and alternative compliance process
  - e. Exempt small projects based on specific criteria (i.e. COAs)
  - f. Implement over the counter approvals
  - g. Simplify reuse application process
  - h. Reduce conditional use permits
  - i. Consolidate regulatory structure of zone district standards and overlay zone guidelines (entryway corridor design standards)
  - j. Evaluate approaches for conversion of condominium lots to townhome
  - k. Adoption of a Mandeville Farm plan in collaboration with the Department of Natural Resources
  - l. Support MSU's innovation campus
- 2. Adopt comprehensive strategies and financial plans to address deferred maintenance (Winn/Arkell/Rosenberry/Hixson)**
  - a. Street System – 15 year strategy to eliminate deferred maintenance
    - Support rate adjustments that finance the street replacement fund
    - Support rate adjustments that finance the curb replacement program
    - Storm Water (see storm water utility)
    - Sidewalks/trails
  - b. Water distribution system – 20 year strategy to eliminate deferred maintenance
    - Support rate adjustments that finance the CIP pipe replacement program
  - c. Waste water collection system – 20 year strategy to eliminate deferred maintenance
    - Support rate adjustments that finance the CIP pipe replacement program
  - d. Facilities (Winn)
    - Complete design of the Police Station/Municipal Court
    - Implement facility condition assessment recommendations
    - Bogert Pool
- 3. Improve Parks and Recreation Amenities (Winn/Dingman/Kukulski/Commission)**
  - a. Complete the recreation and aquatics facility feasibility study
  - b. Parks, trails and outdoor recreation bond
- 4. Complete an Integrated Water Resource Plan (Arkell/Hixson)**
  - a. Develop a strategy to purchase additional water rights
- 5. Create a storm water utility (Arkell/Hixson)**
- 6. Enhance Downtown Development Opportunities (Fontenot/Arkell/Hixson)**
  - a. Collaborate with the Downtown Partnership, Montana Department of Transportation and Transportation Coordinating Committee to finalize design and implement the Downtown Urban Route Transformation Project.

b. Facilitate development of a downtown hotel as identified in the downtown development plan.

**7. Support Gallatin College Programs (Commission/Kukulski)**

a. Approve 2013 fiscal year budget that includes 1.5 mills for Gallatin College programs.

b. Gain regional support and request a county wide levy for Gallatin College Programs (1.5 mills)

**8. Implementation of the community climate action plan (Rosenberry/Meyer/NCAT Intern)**

a. Complete Branding and Outreach Plan (Community Working Group)

b. Complete the Idle-Free Bozeman campaign (Community Working Group)

c. Begin the Commercial Building Benchmarking program (Community Working Group)

d. Begin the 10% Energy Reduction Challenge (Community Working Group, 2013)

e. Work to bring LED Lighting to city streets, parks, and facilities

f. Promote Recycling & Composting programs (partnerships with City/Schools/MSU)

g. Scope Alternative Energy potential at City Facilities. (Energy Performance Contractors, WRF Co-generation, Solar Hot Water.)

**9. Develop a legislative agenda for 2013 (Commission/Kukulski)**

**Tier II**

**10. Research “Buy local” initiative**

**11. Enhance Bozeman Creek.**

1. Bogert Park

2. Rouse Ave reconstruction

3. City Hall Parking

**12. Adopt the International Building Maintenance Code**

**13. Address Senior Center parking**

## **What is a Capital Improvement Program (CIP) and Why Adopt One?**

One of the primary responsibilities of local government is to properly preserve, maintain, and improve a community's stock of buildings, streets, parks, water and sewer lines, and equipment. Planning for these capital improvements is a matter of prudent financial management, as well as sound development practice.

At times of rapid growth, as we experienced during the decade beginning 2000, the need for expanded public facilities and services was at its peak. A carefully developed CIP planned for these expansions and communicated our intent to citizens and the development community. In times of economic contraction, like the current prolonged recession, capital improvements are often put off (deferred) as a way of trimming budgets. While this can be appropriate in cases, an annual analysis and focus on necessary capital improvements helps to ensure that capital deferrals, and their impact on the community, are fully vetted.

### **Definition of Capital Improvement:**

The CIP includes any planned expenditure \$10,000 or greater, that results in the acquisition of an asset with a useful life of 1 year or more.

There are a couple of "exceptions" or "extensions" of this definition that we have found helpful and necessary in past years:

- General Planning Documents (master plans, community surveys, etc.) are NOT included in our CIP;
- Specific plans that involve pre-engineering or preliminary design of facilities are often (but not always) included in the CIP.

### **The City's Charter Requirements**

In Article 5.06 of the adopted City Charter, the City Manager is responsible for preparing and submitting a multi-year capital program to the City Commission no later than December 15 for the ensuing fiscal year. The plan must be revised and extended each year with regard to projects not yet completed. This plan is required to include:

1. A clear general summary of contents;
2. Identification of the long-term goals of the community;
3. A list of all capital improvements and other capital expenditures which are proposed to be undertaken during the fiscal years next ensuing, with appropriate supporting information as to the necessity for each;
4. Cost estimates and recommended time schedules for each improvement or other capital expenditure;
5. Method of financing upon which each capital expenditure is to be reliant;

6. The estimated annual cost of operating and maintaining the facilities to be constructed or acquired;
7. A commentary on how the plan addresses the sustainability of the community or region of which it is a part; and
8. Methods to measure outcomes and performance of the capital plan related to the long-term goals of the community.

## **Municipal Code Requirements**

Because the City has engaged in a Capital Improvement Program process for more than two decades, it has come to be relied upon as an important part of our annual budgeting process. Customarily adopted before the budget development process begins, Capital Improvement items form the basis of department budget requests. In addition, the Municipal Code allows for the “re-appropriation” of prior year budget amounts for Capital Improvement Plan items that have been budgeted but not completed.

### **Bozeman Municipal Code §2.06.160(C) – BUDGET ADMINISTRATION AND OVERSIGHT**

**C. Through the annual appropriation resolution each year, the city commission will authorize and re-appropriate the unexpended balance of capital improvement program items and building repair and maintenance items previously budgeted which have not been completed.**

## **State Law Requirements**

In addition to our local requirements for an annual CIP, State Law requires the City to maintain a Capital Improvement Plan for our Development Impact Fee programs.

Under Montana Code Annotated (MCA), this Capital Improvement Plan provides the schedules and cost projections required under MCA §7-6-1602(2)(k)(i-iv):

**7-6-1602. Calculation of impact fees -- documentation required -- ordinance or resolution -- requirements for impact fees. (1) For each public facility for which an impact fee is imposed, the governmental entity shall prepare and approve a service area report.**

**(2) The service area report is a written analysis that must: ...**

**(k) have a component of the budget of the governmental entity that:**

**(i) schedules construction of public facility capital improvements to serve projected growth;**

**(ii) projects costs of the capital improvements;**

**(iii) allocates collected impact fees for construction of the capital improvements;**

**and**

**(iv) covers at least a 5-year period and is reviewed and updated at least every 2 years**

## **City's CIP Process—Calendar**

Each year, we begin the process of updating our Capital Improvements Plan in September. The process is completed when the Commission adopts a final budget with capital items approved, usually in the following August.

September:

- Departments make requests for new CIP items.
- Staff reviews existing CIP projects and makes note of any changes.

October/November:

- City Manager and staff meet to review new and existing projects; modify any timing, cost or revenue estimates.
- Impact Fee Advisory Committee receives and reviews proposed Impact Fee CIP schedules and forwards comments to City Commission.

November/December:

- City Manager presents Draft CIP to City Commission prior to December 15th.
- City Commission holds public hearings, takes public comment and adopts CIP Plan for ensuing fiscal year.

January:

- Adopted CIP is integrated into City Manager's Recommended Budget for ensuing fiscal year.

June:

- Commission, via adopting a final budget, appropriates dollars for CIP projects for the fiscal year.

## **City's CIP Process – Ranking Criteria**

Prior to 2008, the City had not formally adopted criteria upon which the Capital Improvement Plan projects would be ranked or rated for funding approval. It was often unclear to city staff and members of the public as to what the important elements or factors for funding were.

In the Fall of 2008, for preparation of the Fiscal Year 2010-2014 CIP, we developed criteria that were used to score the capital projects and equipment in the General Fund. Because the General Fund contains, by far, the largest quantity and diversity of projects requested, we believed that specific expressed criteria could be helpful in making decisions for the plan. The Criteria were approved by the Commission, and have been used for development of the General Fund CIP since that time.

## General Fund Criteria

Criteria	Rating	Notes	Project Score
1. Level of Service	Up to 20 pts	20 - Corrects a health or safety hazard or prevents a critical breakdown of an existing city facility or equipment. 15 - Repairs, rehabilitates, or replaces physically deteriorated or functionally obsolete existing city facility or equipment. 10 - Brings an area up to the basic level of service as identified in an adopted city wide plan. 5 - Expands an approved City service. 0 - Other.	
2. Operating Budget Impact	Up to 10 pts	10 - Provides a significant decrease in city operating and/or maintenance expenses. 5 - Has a neutral or small impact on operating and/or maintenance expenses. 0 - Provides a significant increase in city operating requirements.	
3. Service Area	Up to 10 pts	10 - Direct Benefit to entire city. 5 - Direct benefit to roughly half city or indirect benefit to entire city. 2 - Direct benefit to small area of the city or indirect benefit to several areas.	
4. Departmental Priority	Up to 10 pts	10 - Critical to Department's Mission 7 - High 3 - Moderate 0 - Questionable/Very Difficult to Complete	
5. Commission Work Plan	Up to 10 pts	10 - Identified project in Adopted Commission Work Plan 5 - Contributes to an indetified project in the Adopted Commission Work Plan. 0 - Not identified in Adopted Commission Work Plan.	
6. Municipal Climate Protection (Municipal Climate Action Plan - MCAP)	Up to 5 pts	5 - Is recommended by MCAP and will accomplish a stated MCAP goal. 3 - Will assist in meeting MCAP goal. 0 - No relation to MCAP.	
7. Seasonal Use	Up to 5 pts	5 - Year Round. 3 - Six to Eleven months per year. 1 - Five or fewer months per year.	
<b>TOTAL</b>	<b>Up to 70 pts.</b>		

## Impact Fee Funds Criteria (Street, Fire, Water & Wastewater Impact Fees)

Criteria were developed for ranking projects in the Impact Fee Funds in order to better communicate to the public about the use of Impact Fee money and allocate scarce resources to the most worthwhile project. The following Criteria were developed by the Impact Fee Advisory Committee and adopted by the Commission in the fall of 2011.

Criteria	Rating	Notes	Project Score
1. REQUIRED	Yes/No	Infrastructure, Capital, or Debt Payment on Infrastructure or Capital Purchase. <i>(Cannot be used for operations or maintenances costs.)</i> <b>MCA 7-6-1602(e)</b>	<input type="checkbox"/>
2. REQUIRED	Yes/No	Useful Life of 10 Years or more. <b>MCA 7-6-1601(1)(a)</b>	<input type="checkbox"/>
3. REQUIRED	Yes/No	Improvements or Equipment made necessary by New Development since the inception of the Impact Fee Program. (MCA 7-6-1602 (7) & 7-6-1603(3))	<input type="checkbox"/>
4. Benefits to Impact Fee Payers	Up to 20 pts	<p><b>20</b> – Project facilitates development of numerous city properties, or potential city properties, in the immediate or near future (1-2 Years.)</p> <p><b>10</b> – Project facilitates development of numerous properties in 3-5 Years, or immediate development of a small area of property.</p> <p><b>5</b> – Project will likely facilitates development within 5-10 Years.</p> <p><b>0</b> – Project will address development that has occurred since 1995, but will not likely facilitate new development.</p>	
5. Direct Benefits	Up to 10 pts	<p><b>10</b> – Direct Benefit to all system users, or Provides a “final link” in a piece of existing system infrastructure.</p> <p><b>5</b> – Direct benefit to roughly half, or indirect benefit to all system users.</p> <p><b>2</b> – Direct benefit to small area of the system users or indirect benefit to several areas of system users.</p>	
6. Funding	Up to 10 pts	<p><b>10</b> – Certain. No other funding options are available and/or All other required project funding is ready-to-proceed.</p> <p><b>5</b> – Uncertain. Project is dependent on a mix of other funding sources that are not ready-to-proceed.</p> <p><b>0</b> – Extremely Uncertain or Unlikely. Elements of Funding are deemed very unworkable or unlikely.</p>	
7. Commission Work Plan	Up to 10 pts	<p><b>10</b> – Identified project in Adopted Commission Work Plan</p> <p><b>5</b> – Contributes to an indetified project in the Adopted Commission Work Plan.</p> <p><b>0</b> – Not identified in Adopted Commission Work Plan.</p>	
<b>TOTAL</b>	<b>Up to 50 pts.</b>		

## **Our Current Facilities and their Condition:**

The City has recently completed a number of long-range (20 year) facility plans:

- Water Treatment & Distribution Facilities,
- Wastewater Collection & Treatment Facilities, and
- Fire Station, Equipment & Staffing.
- Police Station & Staffing
- Parks, Recreation, Trails & Open Space
- Transportation Plan

These studies examine the condition and placement of existing facilities, area growth projections and pattern, regulatory changes, and possible funding mechanisms. The plans analyze various alternatives and make recommendations for implementation.

## **Level of Service (LOS) Standards**

Most of the City's long range plans establish level of service standards. These standards are critical to planning for the needs of future residents of the city. In some cases, such as water quality or wastewater discharge, these standards are often established or guided by outside regulating bodies. The CIP does not frequently reference specific LOS, but the underlying facility and staffing plans will contain detailed discussions of levels of service, and how the city should address increasing or decreasing levels of service through infrastructure and staffing recommendations.

## **Policies for the Physical Development of our Community**

The City's Unified Development Ordinance (UDO) is a combination of both Subdivision and Zoning regulations for development within the City. The Ordinance is subject to amendment by the Commission, after public notices and hearings are held. The UDO applies to both private and city-owned projects, and is available online at [http://www.bozeman.net/planning/unified\\_development\\_ordinance.aspx](http://www.bozeman.net/planning/unified_development_ordinance.aspx).

## **Our Community's Ability to Pay for Planned Improvements**

In a community with relatively high cost of living, the ability of citizens to afford the needed utility rate, fee, and assessment levels is of concern. At the same time, the City strives to keep existing facilities properly maintained — and not pass deferred maintenance costs and problems on to future generations.

The City has recently adopted on Utility Rate Studies for Water, and Wastewater services. These studies give us an indication of how and when utility rates must be increased to pay for the needed water and wastewater system improvements.

In conjunction with the Utility Rate Studies, we are also undergoing a review of our existing Water, Wastewater, Street and Fire Impact Fee levels. This review is required by state law and has not been done since the City implemented impact fees in 1995. This review will indicate what changes, if any, in the fee levels are necessary to fund future system capacity expansion. The Water, Wastewater and Street studies are complete, while the Fire study is still underway.

For General Fund (Administration, Parks, Recreation, Library, Police and Fire) facilities and Street construction, the City does not have the ability to easily increase tax levels for funding. Any tax levy increase must be approved by the City's voters, and maximum debt levels are established by state law.

In November 2007, the city of Bozeman voters approved a 4 mill perpetual levy to establish a Fire Equipment and Capital Replacement fund. This fund has been added to the CIP plan, and will address our need to plan for and replace fire engines, our ladder truck, and other capital improvements to fire stations. At the same time, the voters also approved a perpetual levy for staffing and equipping additional police officers. In that levy, \$74,560 in vehicle replacements per year were approved; it is intended to purchase one patrol vehicle and one detective vehicle, although as needs change, a different mix vehicle mix may be warranted.

It is anticipated that levy increases for the police station will be proposed in the future, with their adoption critical to our plans to expand our facilities.

The City does have a couple outside sources of funding available for street construction; State Urban Funds and Special Improvement District Assessments. State Urban Funds are available for use on Urban Routes within the City. Special Improvement District Assessments can be levied on property owners within an area whose property directly benefits from the improvements being built.

### **CURRENT EVENTS for the FY14-FY 18 Plan:**

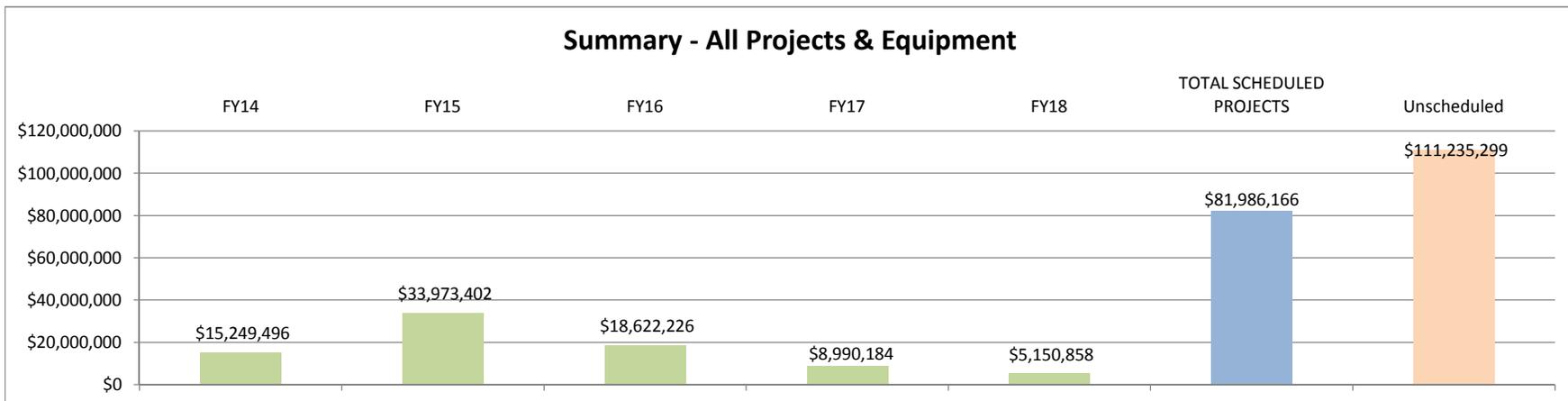
1. Recreation & Aquatics Feasibility Study: The City is currently underway with a Recreation and Aquatics Feasibility Study. The Study will inform how we move forward with the following listed CIP Items: GF055 – Bogert Gutter & Shell, GF117 – Bogert Pool Heater, GF183 – Bogert Pool Bath House Renovation/Reconstruction, GF56 – Design & Construct a Community Recreation/Aquatics Center

Because the results of the study are not complete, we have left all of the items in the same years as proposed in the past. We anticipate that the results of the study will be presented to the public and the Commission in January 2013.

2. \$15 Million Park, Trails & Open Space Bond. This significant funding source for purchase of capital to expand our Parks, Trails, and Opens Spaces was approved by voters in November 2012. In the coming months, the Commission will be developing program criteria for funding Park, Trail & Open Space Bond use. We expect to issue bonds in the Spring/Summer of 2013, and have prepared an estimated CIP for this total \$15 million allocation.

**SUMMARY - ALL FUNDS**  
**Capital Improvement Plan**

	Scheduled Projects					TOTAL SCHEDULED PROJECTS	Unscheduled
	FY14	FY15	FY16	FY17	FY18		
Building Inspection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 292,500
CTEP - Community Transportation	\$ 125,000	\$ 114,000	\$ 98,000	\$ -	\$ -	\$ 337,000	\$ -
Curb Replacements	\$ 375,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ 1,075,000	\$ -
Fire Equipment & Capital Replacement	\$ 1,235,000	\$ 50,000	\$ 115,000	\$ 50,000	\$ 415,000	\$ 1,865,000	\$ 1,315,000
Fire Impact Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,369,699
General Fund	\$ 1,539,165	\$ 23,867,000	\$ 2,108,700	\$ 1,217,000	\$ 692,500	\$ 29,424,365	\$ 25,361,800
Library Depreciation	\$ 41,380	\$ -	\$ -	\$ 35,000	\$ -	\$ 76,380	\$ -
Parks & Trails Bond Fund	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -	\$ 12,000,000	\$ -
Solid Waste Collection & Recycling	\$ 659,984	\$ 148,043	\$ 560,000	\$ 360,000	\$ 430,000	\$ 2,158,027	\$ -
Storm Water Utility	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 579,300
Street Impact Fee	\$ 350,000	\$ 750,000	\$ 6,100,000	\$ 100,000	\$ 100,000	\$ 7,400,000	\$ 23,575,000
Street Maintenance District	\$ 436,383	\$ 235,000	\$ 291,000	\$ 375,000	\$ 570,000	\$ 1,907,383	\$ -
Street Reconstruction	\$ 525,000	\$ 850,000	\$ -	\$ -	\$ -	\$ 1,375,000	\$ 3,370,000
Tree Maintenance District	\$ 67,492	\$ -	\$ -	\$ -	\$ 26,000	\$ 93,492	\$ -
Wastewater Fund	\$ 2,151,650	\$ 1,691,500	\$ 3,235,200	\$ 885,700	\$ 1,045,850	\$ 9,009,900	\$ 5,230,000
Wastewater Impact Fee	\$ 836,482	\$ 853,212	\$ 870,276	\$ 887,681	\$ 896,558	\$ 4,344,209	\$ 16,812,000
Water Fund	\$ 1,156,665	\$ 1,180,220	\$ 991,935	\$ 1,159,645	\$ 974,950	\$ 5,463,415	\$ -
Water Impact Fee	\$ 2,750,295	\$ 884,427	\$ 902,115	\$ 920,158	\$ -	\$ 5,456,995	\$ 31,330,000
<b>Total</b>	<b>\$ 15,249,496</b>	<b>\$ 33,973,402</b>	<b>\$ 18,622,226</b>	<b>\$ 8,990,184</b>	<b>\$ 5,150,858</b>	<b>\$ 81,986,166</b>	<b>\$ 111,235,299</b>

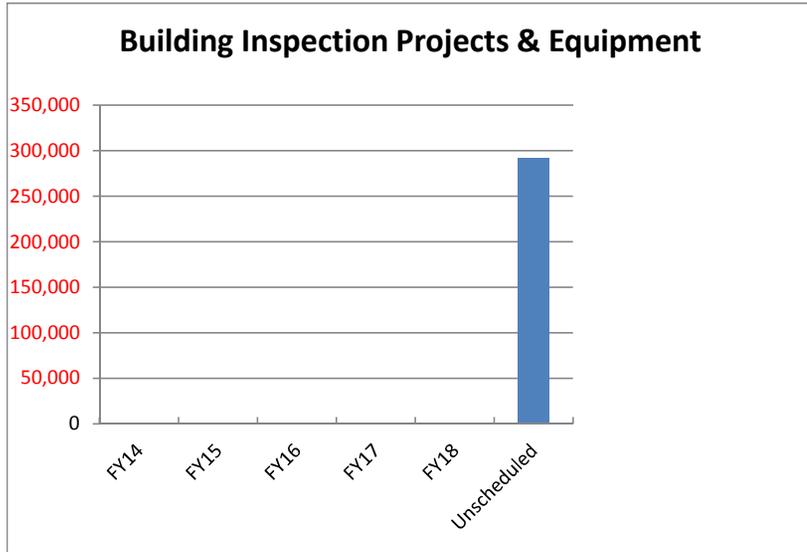


**Building Inspection  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 260,000	\$ 160,000	\$ 160,000	\$ 160,000	\$ 160,000	\$ 160,000	
Plus: Building Inspection Revenues Dedicated to CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less: Scheduled CIP Project Costs	\$ (100,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (292,500)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 160,000</b>						

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Building Inspection Revenues	\$ 965,525	\$ 965,525	\$ 965,525	\$ 965,525	\$ 975,180	\$ 984,932
Estimated Growth in Revenues	-	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 965,525	\$ 965,525	\$ 965,525	\$ 975,180	\$ 984,932	\$ 994,781
Current Revenues Dedicated to CIP %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Plus: Increase Dedicated to Capital Improvements %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Estimated Revenues Dedicated to CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Building Inspection									
	BI01	BUILD. INSP.	STAFF VEHICLE - REPLACEMENTS						\$260,000
	BI03	BUILD. INSP.	STAFF VEHICLE - ADDITION						\$32,500

<i>Summary for Building Inspection (2 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>									\$292,500

CIP Project Fund  
Building Inspection

DEPARTMENT  
BUILD. INSP.

**PROJECT NUMBER**  
**BI01**

PROJECT NAME  
STAFF VEHICLE - REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$260,000

**DESCRIPTION OF PROJECT**

This item is for the scheduled replacement of Building Inspection vehicles based on age and use of the vehicle. Vehicles will be replaced according to the City's Vehicle Replacement policy. This program will address the long term vehicle needs of the Building Division by allowing careful replacement of vehicles as vehicle conditions and department needs warrant. Right now, all vehicles are in use by Department staff, averaging approx 8,000 miles per year. Vehicle Mileage updated October 2012.

**ALTERNATIVES CONSIDERED**

Utilize vehicles beyond the recommendations of the vehicle use policy; consider replacements of different model of vehicle.

**ADVANTAGES OF APPROVAL**

Based on the age and use of the vehicle a new vehicle will be purchased as replacement.

In the past, vehicles were replaced after 5 years. We are stretching the useful life within the division to match the newly-revised vehicle purchase/replacement policy.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Generally, annual operating and maintenance costs are expected to decrease when older vehicles are replaced with newer ones. More fuel efficiency and lower repair costs are financial benefits.

**FUNDING SOURCES**

100% Building Inspection Fund

# Building Inspection Vehicles - Details

Project Number	Asset #	Make	Model Yr	Current Mileage	FY14	FY15	FY16	FY17	FY18	Unscheduled	Notes
BI01	3144	Jeep Liberty	2003	48,307						\$32,500	Beyond FY18
	3218	Grand Cherokee	2004	44,574						\$32,500	Beyond FY18
	3328	Dodge Durango	2006	56,725						\$32,500	Beyond FY18
	3329	Dodge Durango	2008	47,115						\$32,500	Beyond FY18
	3353	Jeep Liberty	2006	25,896						\$32,500	Beyond FY18
	3354	Jeep Liberty	2006	38,390						\$32,500	Beyond FY18
	3404	Dodge Durango	2008	13,343						\$32,500	Beyond FY18
	3405	Dodge Durango	2008	37,441						\$32,500	Beyond FY18

Total By Year for Vehicle Replacements

\$260,000

CIP Project Fund  
Building Inspection

DEPARTMENT  
BUILD. INSP.

**PROJECT NUMBER**  
**BI03**

PROJECT NAME  
STAFF VEHICLE - ADDITION

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$32,500

**DESCRIPTION OF PROJECT**

The existing vehicle fleet is assigned to current staff (see BI01 - Replacements). When a new Building Inspector is hired, a new vehicle will need to be purchased. We are hoping to make improvements to existing Inspector efficiency with in-the-field mobile applications and equipment; however, the point will come when an additional inspector is needed on a full or part-time basis. Regardless of whether their work schedule, a vehicle is a critical piece of equipment for an inspector that needs.

**ALTERNATIVES CONSIDERED**

Have inspectors/staff share vehicles (not likely to be efficient use of inspector time.)

**ADVANTAGES OF APPROVAL**

Staff will be adequately equipped to perform building inspections around town.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Because this is an addition to the fleet, additional gas and maintenance costs will be paid by the Building Inspection Fund. Currently, vehicles average 5,000 - 8,000 miles per year. Routine maintenance will be performed as necessary.

**FUNDING SOURCES**

100% Building Inspection Fund



**Community Transportation Enhancement Program (CTEP)  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 403,193	\$ 554,540	\$ 689,244	\$ 837,544	\$ 1,004,468	\$ 1,272,041	
Plus: Annual Federal Allocation (86.58%)	\$ 225,832	\$ 228,090	\$ 230,371	\$ 232,675	\$ 235,002	\$ 237,352	
Plus: Match Required from General Fund (13.42%)	\$ 30,515	\$ 31,613	\$ 31,929	\$ 32,249	\$ 32,571	\$ 32,897	\$ -
Plus: Match Required Other (13.42%)							
Less: Scheduled CIP Project Costs	\$ (105,000)	\$ (125,000)	\$ (114,000)	\$ (98,000)	\$ -	\$ -	
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 554,540</b>	<b>\$ 689,244</b>	<b>\$ 837,544</b>	<b>\$ 1,004,468</b>	<b>\$ 1,272,041</b>	<b>\$ 1,542,290</b>	

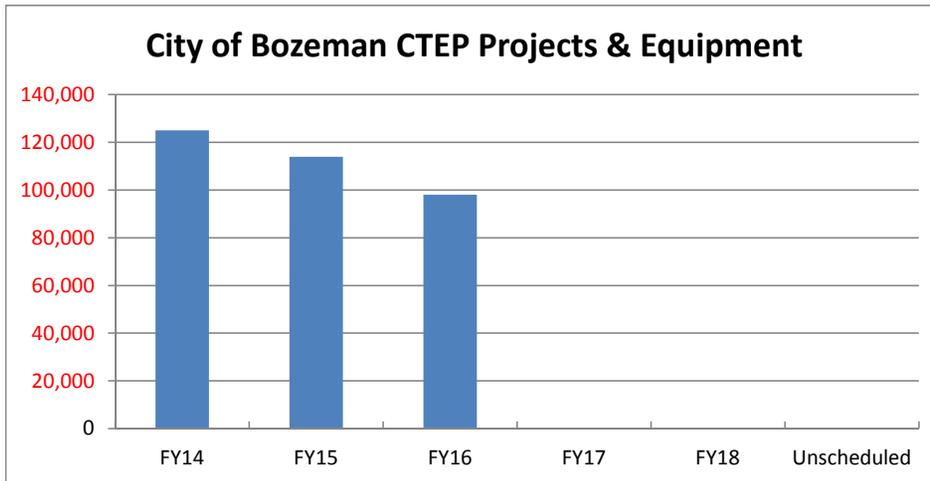
Assumptions Made for Revenue Estimates:

Estimated Annual CTEP Allocation

Plus: Estimated Increase/Decrease in Federal Allocation

Total Estimated Revenues Dedicated to CIP

	Projected				
	FY14	FY15	FY16	FY17	FY18
Estimated Annual CTEP Allocation	\$ 225,832	\$ 228,090	\$ 230,371	\$ 232,675	\$ 235,002
Plus: Estimated Increase/Decrease in Federal Allocation	1%	1%	1%	1%	1%
<b>Total Estimated Revenues Dedicated to CIP</b>	<b>\$ 228,090</b>	<b>\$ 230,371</b>	<b>\$ 232,675</b>	<b>\$ 235,002</b>	<b>\$ 237,352</b>



**Note: These monies are NOT in the custody of the City of Bozeman. They are a Federal allocation of Gas Tax Dollars that are held in an account at the State and reimbursed to the City for state-approved projects.**

**Projects must meet Montana Department of Transportation and other Federal requirements.**

**The City's actual fiscal year and the Federal Allocation year never match up. We are reporting what Allocations are available to us in each fiscal year.**

CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
CTEP									
	CT001	ENG.	ACCESSIBLE CURBS AND STRIPED CROSSWALKS	\$125,000					
	CT002	ENG.	INSTALL SIDEWALK ALONG SOUTH SIDE OF OAK, EAST OF 25TH		\$28,000				
	CT003	ENG.	INSTALL SIDEWALK ALONG SOUTH SIDE OF TSCHACHE ROAD ALONG THE ROSE PARK FRONTAGE.		\$16,000				
	CT004	ENG.	INSTALL SIDEWALK AT CENTENNIAL PARK		\$35,000				
	CT005	ENG.	INSTALL SIDEWALK ALONG OAK STREET, ROSE PARK FRONTAGE		\$35,000				
	CT006	ENG.	INSTALL SIDEWALK ALONG SOUTH SIDE OF DURSTON, BETWEEN FLATHEAD AND MEAGHER STREETS.			\$98,000			

<i>Summary for CTEP (6 items)</i>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$125,000	\$114,000	\$98,000			

CIP Project Fund  
CTEP

DEPARTMENT  
ENG.

PROJECT NUMBER  
CT001

PROJECT NAME  
Accessible Curbs and Striped Crosswalks

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$125,000					

DESCRIPTION OF PROJECT

This project is to design and replace curbs and crosswalks with improved ADA facilities at intersections: S. Grand and W Hayes; 5th and Alderson; 5th and Dickerson; 5th and Story; 6th and Curtis; 6th and Story; 7th and Alderson; 7th and Curtis; 7th and Dickerson. These intersections were grouped together and chosen because of their extreme age, their specific condition of lacking ramps, and proximity to the University and numerous City Parks. Each year the City is allocated funds from the federal Community Transportation Enhancement Program, through the State of Montana Department of Transportation. These funds can be used for pedestrian and bicycle facilities, landscaping and scenic beautification, historic preservation, rehabilitation of historic transportation facilities, and other transportation types of enhancements. Currently City staff is working from a list of projects that were created by a steering committee and approved by the City Commission.

ALTERNATIVES CONSIDERED

There could be consideration to contract the design work and contract administration. There could also be consideration to fund this work from other sources; or, delay the project further.

ADVANTAGES OF APPROVAL

CTEP funds 86.58% of the projects with 13.42% being funded by a local match. In kind work by City staff can be considered part of the local match. This funding source allows for local transportation enhancement projects to be funded with only a portion of the cash coming from direct city dollars.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Future maintenance of sidewalks and pedestrian ramps

FUNDING SOURCES

CTEP Allocation - (86.58%) and Local Match, usually coming from the General Fund (13.42%)

CIP Project Fund  
CTEP

DEPARTMENT  
ENG.

PROJECT NUMBER  
CT002

PROJECT NAME  
Install Sidewalk along South Side of Oak, East of 25th

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$28,000				

DESCRIPTION OF PROJECT

This project is to install 681' of sidewalk on Oak Street along the Santa Fe Red's property line, and 191' of sidewalk along North 9th Park. Currently, no pedestrian sidewalk exists to connect the pedestrian facilities. Design will be done by City Engineers.

ALTERNATIVES CONSIDERED

Each year the City is allocated funds from the federal Community Transportation Enhancement Program, through the State of Montana Department of Transportation. These funds can be used for pedestrian and bicycle facilities, landscaping and scenic beautification, historic preservation, rehabilitation of historic transportation facilities, and other transportation types of enhancements. Currently City staff is working from a list of projects that were created by a steering committee and approved by the City Commission.

ADVANTAGES OF APPROVAL

Improves pedestrian walk-ways by connecting sidewalks in this heavily-traveled area of town. CTEP funds 86.58% of the projects with 13.42% being funded by a local match. In kind work by City staff can be considered part of the local match. This funding source allows for local transportation enhancement projects to be funded with only a portion of the cash coming from direct city dollars.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

CTEP Allocation - (86.58%) and Local Match, usually coming from the General Fund (13.42%). City engineer time could be considered local match.

CIP Project Fund  
CTEP

DEPARTMENT  
ENG.

<b>PROJECT NUMBER</b>
<b>CT003</b>

<b>PROJECT NAME</b>						
Install Sidewalk along South Side of Tschache Road along the Rose Park Frontage.						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$16,000				

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

This project would install 395' of sidewalk where none currently exists along Tschache Road in front of Rose Park. The project would be designed by City Engineers.

#### ALTERNATIVES CONSIDERED

Each year the City is allocated funds from the federal Community Transportation Enhancement Program, through the State of Montana Department of Transportation. These funds can be used for pedestrian and bicycle facilities, landscaping and scenic beautification, historic preservation, rehabilitation of historic transportation facilities, and other transportation types of enhancements. Currently City staff is working from a list of projects that were created by a steering committee and approved by the City Commission.

#### ADVANTAGES OF APPROVAL

Improves pedestrian walk-ways by installing them near community park and trail facilities. CTEP funds 86.58% of the projects with 13.42% being funded by a local match. In kind work by City staff can be considered part of the local match. This funding source allows for local transportation enhancement projects to be funded with only a portion of the cash coming from direct city dollars.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Sidewalk maintenance to be done by Parks Department.

#### FUNDING SOURCES

CTEP Allocation - (86.58%) and Local Match, usually coming from the General Fund (13.42%). City engineer time could be considered local match.

CIP Project Fund  
CTEP

DEPARTMENT  
ENG.

**PROJECT NUMBER**  
**CT004**

PROJECT NAME  
Install Sidewalk at Centennial Park

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$35,000				

**DESCRIPTION OF PROJECT**

This project installs sidewalk where none currently exists along the South and West sides of Centennial Park. 352' will be installed along the park from Cottonwood Street to Grand and 343' along the park from Grand to Aspen.

**ALTERNATIVES CONSIDERED**

Each year the City is allocated funds from the federal Community Transportation Enhancement Program, through the State of Montana Department of Transportation. These funds can be used for pedestrian and bicycle facilities, landscaping and scenic beautification, historic preservation, rehabilitation of historic transportation facilities, and other transportation types of enhancements. Currently City staff is working from a list of projects that were created by a steering committee and approved by the City Commission.

**ADVANTAGES OF APPROVAL**

Improves pedestrian walk-ways by installing them near community park and trail facilities. CTEP funds 86.58% of the projects with 13.42% being funded by a local match. In kind work by City staff can be considered part of the local match. This funding source allows for local transportation enhancement projects to be funded with only a portion of the cash coming from direct city dollars.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Sidewalk maintenance by Parks Department.

**FUNDING SOURCES**

CTEP Allocation - (86.58%) and Local Match, usually coming from the General Fund (13.42%). City engineer time could be considered local match.

CIP Project Fund  
CTEP

DEPARTMENT  
ENG.

**PROJECT NUMBER**  
**CT005**

PROJECT NAME  
Install Sidewalk along Oak Street, Rose Park Frontage

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$35,000				

**DESCRIPTION OF PROJECT**

This project is to install an additional 560' of sidewalk along the north side of Oak Street at Rose Park. There is currently 260' of existing 5' sidewalk.

**ALTERNATIVES CONSIDERED**

Each year the City is allocated funds from the federal Community Transportation Enhancement Program, through the State of Montana Department of Transportation. These funds can be used for pedestrian and bicycle facilities, landscaping and scenic beautification, historic preservation, rehabilitation of historic transportation facilities, and other transportation types of enhancements. Currently City staff is working from a list of projects that were created by a steering committee and approved by the City Commission.

**ADVANTAGES OF APPROVAL**

Improves pedestrian walk-ways by installing them near community park and trail facilities. CTEP funds 86.58% of the projects with 13.42% being funded by a local match. In kind work by City staff can be considered part of the local match. This funding source allows for local transportation enhancement projects to be funded with only a portion of the cash coming from direct city dollars.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Sidewalk maintenance by Parks Department.

**FUNDING SOURCES**

CTEP Allocation - (86.58%) and Local Match, usually coming from the General Fund (13.42%). City engineer time could be considered local match.

CIP Project Fund  
CTEP

DEPARTMENT  
ENG.

<b>PROJECT NUMBER</b>
<b>CT006</b>

<b>PROJECT NAME</b>						
Install Sidewalk along South Side of Durston, between Flathead and Meagher Streets.						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$98,000			

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

This project will install 0.4 miles of sidewalk on the south side of Durston Road, between Flathead and Meagher streets, where none currently exists right now.

#### ALTERNATIVES CONSIDERED

Each year the City is allocated funds from the federal Community Transportation Enhancement Program, through the State of Montana Department of Transportation. These funds can be used for pedestrian and bicycle facilities, landscaping and scenic beautification, historic preservation, rehabilitation of historic transportation facilities, and other transportation types of enhancements. Currently City staff is working from a list of projects that were created by a steering committee and approved by the City Commission.

#### ADVANTAGES OF APPROVAL

Improves pedestrian walk-ways by installing them near community park and trail facilities, and near schools. CTEP funds 86.58% of the projects with 13.42% being funded by a local match. In kind work by City staff can be considered part of the local match. This funding source allows for local transportation enhancement projects to be funded with only a portion of the cash coming from direct city dollars.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

CTEP Allocation - (86.58%) and Local Match, usually coming from the General Fund (13.42%). City engineer time could be considered local match.

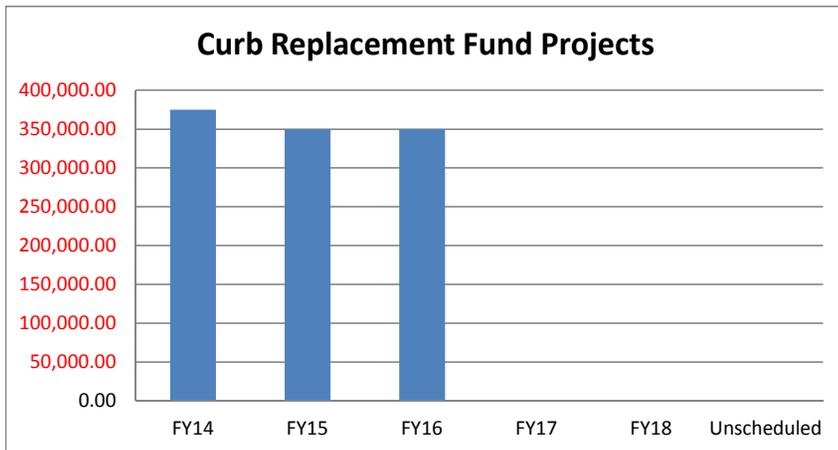
#### FUNDING SOURCES

**Curb Replacements  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 228,709	\$ 438,699	\$ 334,819	\$ 311,219	\$ 290,383	\$ 622,339	\$ -
Plus: Street Mtc Revenues Dedicated to Curb Replacement	\$ 159,990	\$ 221,120	\$ 276,400	\$ 279,164	\$ 281,956	\$ 284,775	\$ -
Plus: Gas Tax Dollars for Curb Replacements	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -
Less: Scheduled CIP Project Costs	\$ -	\$ (375,000)	\$ (350,000)	\$ (350,000)	\$ -	\$ -	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 438,699</b>	<b>\$ 334,819</b>	<b>\$ 311,219</b>	<b>\$ 290,383</b>	<b>\$ 622,339</b>	<b>\$ 957,114</b>	<b>\$ -</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Street Mtc Revenues	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,791,640	\$ 2,819,556
Estimated Annual Increase - Attributed to Annexations	0%	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,791,640	\$ 2,819,556	\$ 2,847,752
Current Revenues Dedicated to CIP %	4.0%	6.0%	8.0%	10.0%	10.0%	10.0%
Plus: Increase Dedicated to Curb Replacements	2.0%	2.0%	2.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	6.0%	8.0%	10.0%	10.0%	10.0%	10.0%
Total Estimated Revenues Dedicated to Curb Replacement CIP	\$ 165,840	\$ 221,120	\$ 276,400	\$ 279,164	\$ 281,956	\$ 284,775



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Curb Replacement Fund									
	CR02	ENG.	SOUTH WILLSON, CLEVELAND TO KOCH	\$350,000					
	CR03	ENG.	PURCHASE MICROPAVER ASSET MANAGEMENT SOFTWARE	\$25,000					
	CR04	ENG.	SOUTH CHURCH STREET FROM STORY TO BABCOCK		\$350,000				
	CR05	ENG.	SOUTH TRACY, STORY TO HARRISON			\$350,000			

<i>Summary for Curb Replacement Fund (4 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$375,000	\$350,000	\$350,000			

CIP Project Fund  
Curb Replacement Fund

DEPARTMENT  
ENG.

<b>PROJECT NUMBER</b>
<b>CR02</b>

<b>PROJECT NAME</b>						
South Willson, Cleveland to Koch						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$350,000					

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Replace the curb and gutter on both sides of Willson Avenue from Koch to Cleveland Streets, including ADA compliant pedestrian ramps at all intersections. This is a City Urban Route; a heavily used roadway. We anticipate that construction will occur in the Summer of 2013, immediately after budget approval on July 1, 2013.

#### ALTERNATIVES CONSIDERED

Do not replace the curbs at this time.

#### ADVANTAGES OF APPROVAL

This improvement will enhance storm drainage, better define and protect the street edge as well as the boulevard and make snow removal easier.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None

#### FUNDING SOURCES

Curb Replacement Funds

CIP Project Fund  
Curb Replacement Fund

DEPARTMENT  
ENG.

PROJECT NUMBER  
CR03

PROJECT NAME  
Purchase Micropaver Asset Management Software

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$25,000					

DESCRIPTION OF PROJECT

The City's current pavement management system is based on the IWorqs software program. This program has shown itself to be deficient in a number of ways. It is inflexible, labor intensive to update, has poor graphic and display capabilities and is poorly supported. The purpose of this project is to purchase and install, in combination with \$125,000 of street reconstruction funds the Micropaver software product. MicroPAVER™ provides pavement management capabilities to: (1) develop and organize the pavement inventory; (2) assess the current condition of pavements; (3) develop models to predict future conditions; (4) report on past and future pavement performance; (5) develop scenarios for M&R based on budget or condition requirements; and (6) plan projects.

ALTERNATIVES CONSIDERED

Continue to use the IWorqs software.

ADVANTAGES OF APPROVAL

A more robust, flexible and modern pavement management software system will allow staff and commissioners to more efficiently plan projects and allocate resources at the right time to maintain the City's street network. With over 240 miles of City streets, it is becoming imperative to utilize the most efficient tools available to accomplish that task.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

There is a potential for the need to purchase future software updates. Staff time, both in the Street and Engineering Divisions will be needed on an ongoing basis to update the condition inputs.

FUNDING SOURCES

Curb Replacements or Street Reconstruction Funds - \$150,000 Total

CIP Project Fund  
Curb Replacement Fund

DEPARTMENT  
ENG.

<b>PROJECT NUMBER</b>
<b>CR04</b>

<b>PROJECT NAME</b>						
South Church Street from Story to Babcock						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$350,000				

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Replace the curb and gutter on both sides of Church Street from Story to Babcock, including ADA compliant pedestrian ramps at all intersections. We anticipate that construction will occur in the Summer of 2014, immediately after budget approval on July 1, 2014.

**ALTERNATIVES CONSIDERED**

Do not replace the curbs at this time.

**ADVANTAGES OF APPROVAL**

This improvement will enhance storm drainage, better define and protect the street edge as well as the boulevard and make snow removal easier.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

None

**FUNDING SOURCES**

Curb Replacement Funds

CIP Project Fund  
Curb Replacement Fund

DEPARTMENT  
ENG.

<b>PROJECT NUMBER</b>
<b>CR05</b>

<b>PROJECT NAME</b>						
South Tracy, Story to Harrison						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$350,000			

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Replace the curb and gutter on both sides of Tracy from Story to Harrison, including ADA compliant pedestrian ramps at all intersections. We anticipate that construction will occur in the Summer of 2015, immediately after budget approval on July 1, 2015.

**ALTERNATIVES CONSIDERED**

Do not replace the curbs at this time.

**ADVANTAGES OF APPROVAL**

This improvement will enhance storm drainage, better define and protect the street edge as well as the boulevard and make snow removal easier.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

None

**FUNDING SOURCES**

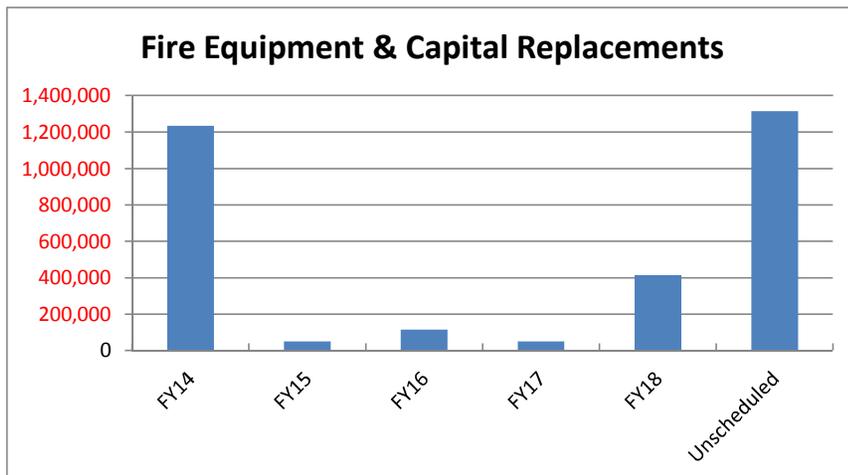
Curb Replacement Funds

## Fire Equipment & Capital Replacement Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 578,000	\$ 833,040	\$ (65,727)	\$ 223,868	\$ 455,256	\$ 758,571	
Plus: Dedicated Tax Revenues 4 Mills	\$ 332,904	\$ 336,233	\$ 339,595	\$ 346,387	\$ 353,315	\$ 360,381	\$ -
Less: Scheduled CIP Project Costs	\$ (77,864)	\$ (1,235,000)	\$ (50,000)	\$ (115,000)	\$ (50,000)	\$ (415,000)	\$ (1,315,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 833,040</b>	<b>\$ (65,727)</b>	<b>\$ 223,868</b>	<b>\$ 455,256</b>	<b>\$ 758,571</b>	<b>\$ 703,952</b>	

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Tax Revenues	\$ 332,904	\$ 332,904	\$ 336,233	\$ 339,595	\$ 346,387	\$ 353,315
Estimated Annual Increase	-	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 332,904	\$ 336,233	\$ 339,595	\$ 346,387	\$ 353,315	\$ 360,381
Current Revenues Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 332,904	\$ 336,233	\$ 339,595	\$ 346,387	\$ 353,315	\$ 360,381



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Fire Equip & Capital Replacement									
	FE02	FIRE	REPLACEMENT OF LADDER TRUCK	\$1,200,000					
	FE05	FIRE	DEFIBRILLATOR REPLACEMENT PROGRAM	\$35,000					
	FE06	FIRE	PORTABLE RADIO REPLACEMENT PROGRAM		\$50,000	\$50,000	\$50,000		
	FE07	FIRE	FIRE STAFF VEHICLE REPLACEMENTS			\$65,000		\$65,000	\$265,000
	FE08	FIRE	FIRE STATION #1 REMODEL						\$500,000
	FE09	FIRE	FIRE ENGINE #2 REPLACEMENT						\$550,000
	FE10	FIRE	SELF-CONTAINED BREATHING APPARATUS (SCBA) REPLACEMENTS					\$350,000	

<i>Summary for Fire Equip &amp; Capital Replacement (7 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$1,235,000	\$50,000	\$115,000	\$50,000	\$415,000	\$1,315,000

CIP Project Fund	DEPARTMENT					<b>PROJECT NUMBER</b>
Fire Equip & Capital Replacement	FIRE					<b>FE02</b>
<b>PROJECT NAME</b>						<input type="checkbox"/> New
REPLACEMENT OF LADDER TRUCK						<input checked="" type="checkbox"/> Replacement
FY14	FY15	FY16	FY17	FY18	Unscheduled	<input checked="" type="checkbox"/> Equipment
\$1,200,000						<input type="checkbox"/> Project

**DESCRIPTION OF PROJECT**

This project will fund the purchase and equipment of a new aerial platform truck for the fire department in FY14. An aerial platform truck is different from a ladder truck in that it has a platform at the tip of the ladder that allows firefighters to operate water streams and perform rescue and other operations from the tip of the ladder device while it is in operation, a capability we do not currently have. The City's ladder truck was purchased in 1986 and has served the community well for over 20 years. Recent required annual UL ladder tests have revealed that the ladder beds are beginning to twist and warp from use and age. Additionally, the open air rear cab violates current firefighter safety requirements of NFPA as firefighters are exposed to traffic during responses and are not protected in the event of a crash. At the time of its replacement this apparatus will be 27 years old.

**ALTERNATIVES CONSIDERED**

Continue to use current ladder truck until it must be taken out of service, have present ladder and cab refurbished at manufacturing facility, purchase used aerial platform truck, lease/purchase new aerial platform truck.

**ADVANTAGES OF APPROVAL**

Provide a critical life-safety resource that will enhance the fire department's ability to protect the city and its residents. This aerial device is particularly important to provide fire and rescue services to the downtown area, large commercial structures and multi-family residential structures. It will also gain us important points in ISO's scoring matrix.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Our costs will increase based upon insurance, maintenance and repair, lubricants, fuel and oil expenses. Further increases will occur based also upon the actual number of responses and hours used. Our current maintenance fund will be used for this vehicle.

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund

CIP Project Fund		DEPARTMENT					<b>PROJECT NUMBER</b>	
Fire Equip & Capital Replacement		FIRE					<b>FE05</b>	
<b>PROJECT NAME</b>								<input type="checkbox"/> New
Defibrillator Replacement Program								<input checked="" type="checkbox"/> Replacement
	FY14	FY15	FY16	FY17	FY18	Unscheduled	<input checked="" type="checkbox"/> Equipment	
	\$35,000						<input type="checkbox"/> Project	

**DESCRIPTION OF PROJECT**

This project is to replace the defibrillators on Engine Two and Engine Three. Currently we are using a Lifepak 12's which have come to the end of their serviceable lifespan. Engine Two's Defibrillator is over 10 years old and Engine Three's is over 8 years old. These devices are used to read heart rhythms, shock shockable rhythms, monitor heart rates and carbon monoxide levels and transmit all related data to the emergency room thus improving patient outcomes. These devices are part of providing an Advanced Life Support level of service to our customers. This project would replace these two pieces of equipment over the span of two years. ONE of these items was included in our recent Assistance to Firefighters Grant Request.

**ALTERNATIVES CONSIDERED**

Continue to use existing Lifepak 12's until they are no longer supported by the manufacture.

**ADVANTAGES OF APPROVAL**

Replacing these pieces of equipment will ensure reliability for the foreseeable future. They will also help standardize our equipment as we have a Lifepak 15 in service on Engine One. These tools also allow our paramedics to provide a more thorough and detailed level of service to our customers.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

As these items are replacement items for equipment already in service additional operating costs should be minimal

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund

CIP Project Fund  
Fire Equip & Capital Replacement

DEPARTMENT  
FIRE

PROJECT NUMBER  
FE06

PROJECT NAME  
Portable Radio Replacement Program

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$50,000	\$50,000	\$50,000		

DESCRIPTION OF PROJECT

This plan allows for 10 fire portable radios to be replaced each year, including all of the software, programming and peripheral accessories. This is planned replacement of radios at the end of their predicted usable life, estimated between six and ten years. This will provide for seamless communication and response capabilities as the radios become less reliable and repair is no longer a financially prudent option. Portable (or handheld) radios are an essential item in the operation of the Bozeman Fire Department. Fire radios must be available for fire use 24 hours a day, 365 days a year. These radios are assigned to the three stations, captains and management staff and are used daily. These radios will be replaced only when they are unservicable.

ALTERNATIVES CONSIDERED

none

ADVANTAGES OF APPROVAL

This ensures safe and reliable emergency communications and response. Program allows for planned and predictable need for equipment replacement. Clear and dependable communication allows for quick and efficient emergency deployment and the required level of firefighter safety.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

As these are replacement radios we anticipate very little increases operating costs.

FUNDING SOURCES

100% Fire Equipment & Capital Replacement Fund

CIP Project Fund  
Fire Equip & Capital Replacement

DEPARTMENT  
FIRE

<b>PROJECT NUMBER</b>
<b>FE07</b>

PROJECT NAME
FIRE STAFF VEHICLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$65,000		\$65,000	\$265,000

**DESCRIPTION OF PROJECT**

The Fire Department utilizes numerous vehicles for Department needs. The type of vehicle required will change significantly with the implementation of Battalion Chiefs for 24/7/365 Command coverage. See attached Table on the following page.

**ALTERNATIVES CONSIDERED**

Could continue to utilize existing vehicles longer. However, many of these vehicles are emergency response vehicles for the Fire Department.

**ADVANTAGES OF APPROVAL**

The Department will have adequate, properly sized vehicles for emergency response and other operational functions.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Newer vehicles are expected to be more fuel efficient.

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund.

# Fire Staff Vehicle Replacements

Asset #	Model Yr	Current Make/Features	Current Mileage	Replacement Make/Features	Notes	FY14	FY15	FY16	FY17	FY18	Unscheduled
2764	2000	Chevy Tahoe: Utility Truck - Station #3	113,862	Replace with a Passenger Car.							\$35,000
2760	2000	Chevy Suburban: F5 - Training Officer	104,809	Replace with a 4x4, SUV style, mid sized vehicle.							\$45,000
3076	2002	Chevy Suburban: F2 - Operations Chief	112,511	Suburban style, 4x4, with emergency lighting, radios, MDT	Upon replacement, this becomes the primary Command Vehicle, utilized by Battaion Chief.			\$65,000			
3332	2007	Chevy Tahoe: F3 - Fire Marshall	43,154	4x4, SUV style, mid sized vehicle							\$45,000
3247	2004	Chevy Tahoe: F4 - Disaster & Emergency Services (DES) Staff Captain	91,126	4x4, SUV style, mid-sized vehicle, with emergency lighting, radios, MDT.							\$50,000
3153	2003	Chevy Suburban: F1 - Fire Chief	81,757	Suburban style, 4x4, with emergency lighting, radios, MDT.	This vehicle will become the Battalion Chief Vehicle.					\$65,000	
3275	2005	Ford F150: Fire Investigations, Station #3	40,604	Pickup with full-sized box, 4x4, tow capacity.							\$45,000
3158	2003	Chevy Silverado: Utility Truck - Station #1	20,817	Pickup with full sized box, 4x4, tow capacity.	Need pickup capable of hauling our fire prevention vehicle.						\$45,000
3363	2007	Dodge Durango: Utility Truck - Station #2	22,437	4x4, SUV style, mid-sized vehicle.	This vehicle becomes the Fire Inspector vehicle.						
								\$65,000		\$65,000	\$265,000

CIP Project Fund	DEPARTMENT					<b>PROJECT NUMBER</b>
Fire Equip & Capital Replacement	FIRE					<b>FE08</b>
PROJECT NAME						<input type="checkbox"/> New
FIRE STATION #1 REMODEL						<input checked="" type="checkbox"/> Replacement
FY14	FY15	FY16	FY17	FY18	Unscheduled	<input type="checkbox"/> Equipment
					\$500,000	<input checked="" type="checkbox"/> Project

**DESCRIPTION OF PROJECT**

The purpose of this project is to expand the second floor of Fire Station One out to the existing building foot print and remodel the interior spaces increasing facility size and functionality, decreasing maintenance costs and increasing energy efficiency. The second floor of this station has been remodeled many times. Windows do not completely close, electrical and plumbing maintenance is becoming more frequent and kitchen cabinetry is beginning to fail. Office space is limited and safety hazards have been identified in the recent facility surveys.

The living quarters upstairs are not conducive to female firefighters. Separate and equal restroom, bath and sleeping facilities are needed should we hire a female firefighter.

The station remodel will include sleeping quarters, bathrooms, and living spaces for up to ten firefighters of either sex. All standard areas commonly found in modern stations will be included in this facility such as kitchen space, office space and physical training area.

**ALTERNATIVES CONSIDERED**

Continue with utilizing the existing station as is. Maintain facility as reasonably as possible. We are currently undergoing a structural analysis and review of the existing structure to verify if expansion of the upper levels is feasible.

**ADVANTAGES OF APPROVAL**

This project would significantly improve the living conditions and operational functionality of Fire Station One. This project remedies the safety hazards identified in recent facility surveys. This project will decrease ongoing maintenance costs compared to the existing facility. New construction will be “green” and more energy efficient. Creates sleeping quarters and office space for Battalion Chiefs. Separate and equal restroom, bath and sleeping facilities for when we hire a female firefighter in the future. In House Physical fitness area - firefighters currently have to leave the station for physical fitness activities.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Operating cost should maintain similar to what is currently budgeted. Although the facility will be getting larger, a more energy efficient newer facility will balance with the increase in size.

**FUNDING SOURCES**

Depending on features of the project, Fire Equipment & Capital Replacement, General Fund, and potentially could be funded by Fire Impact Fees (if expansion of station expands fire service capacity.)

CIP Project Fund		DEPARTMENT				PROJECT NUMBER	
Fire Equip & Capital Replacement		FIRE				FE09	
PROJECT NAME							<input type="checkbox"/> New
FIRE ENGINE #2 REPLACEMENT							<input type="checkbox"/> Replacement
FY14	FY15	FY16	FY17	FY18	Unscheduled	<input type="checkbox"/> Equipment	<input type="checkbox"/> Project
					\$550,000		

**DESCRIPTION OF PROJECT**

This is the scheduled replacement of Fire Engine #2 - to occur in FY19. Marked unscheduled, but tracking the replacement for the next plan year. This project replaces the front-line engine for Fire Station #2 which is nearing the end of its safe and useful life.

**ALTERNATIVES CONSIDERED**

Continued use of the current fire apparatus with significant increases in our annual maintenance budget; buy a used engine; lease/purchase an engine.

**ADVANTAGES OF APPROVAL**

Reduced maintenance costs and increased reliability for a significant piece of the City's structural firefighting resources.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Maintenace costs for the current engine will cease. Other costs will increase based upon insurance, maintenance and repair, lubricants, fuel and oil expenses. Further increases may occur based upon the actual number of responses and hours used.

**FUNDING SOURCES**

100% Fire Capital and Equipment Replacement Fund

CIP Project Fund	DEPARTMENT					<b>PROJECT NUMBER</b>
Fire Equip & Capital Replacement	FIRE					<b>FE10</b>
<b>PROJECT NAME</b>						<input type="checkbox"/> New
Self-Contained Breathing Apparatus (SCBA) Replacements						<input checked="" type="checkbox"/> Replacement
FY14	FY15	FY16	FY17	FY18	Unscheduled	<input checked="" type="checkbox"/> Equipment
				\$350,000		<input type="checkbox"/> Project

**DESCRIPTION OF PROJECT**

This project will fund the replacement of the department’s SCBA units. The useable service life of our existing SCBA’s is 8 -10 years. The units being replaced were purchased in FY 10.

Repair and maintenance is a consideration when deciding when to replace existing equipment. We currently expend approximately \$5000 per year on preventative maintenance and minor repairs. As the equipment gets older we will no longer be able to repair minor failures, we will have to completely replace parts. Replacement parts for our existing SCBA are extremely expensive and take a significant time to be delivered.

This project will completely replace all SCBA harnesses, spare tanks and backup regulators on our engines. Also individual fire fighter personal masks, and Rapid Intervention Crew kits will get replaced in this project as well.

**ALTERNATIVES CONSIDERED**

Continue to use current SCBA units until they fail or spare parts become unavailable. Used units are not a viable alternative as departments typically upgrade when old units become obsolete or fail to meet annual testing requirements.

**ADVANTAGES OF APPROVAL**

Firefighters use SCBA’s to enter hazardous atmospheres in all aspects of their jobs; firefighting, confined space entry, and hazmat response. The health and safety of our personnel, as well as the ability of our fire department to perform its function, is greatly dependent on these units. The new SCBA units are safer than current units as they are certified for chemical, biological, and radiological emergencies.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

The department spends about \$5,000 annually on SCBA maintenance. Yearly checks and certification is required regardless of SCBA age although maintenance costs would decline with new units as replacement parts would not be needed.

**FUNDING SOURCES**

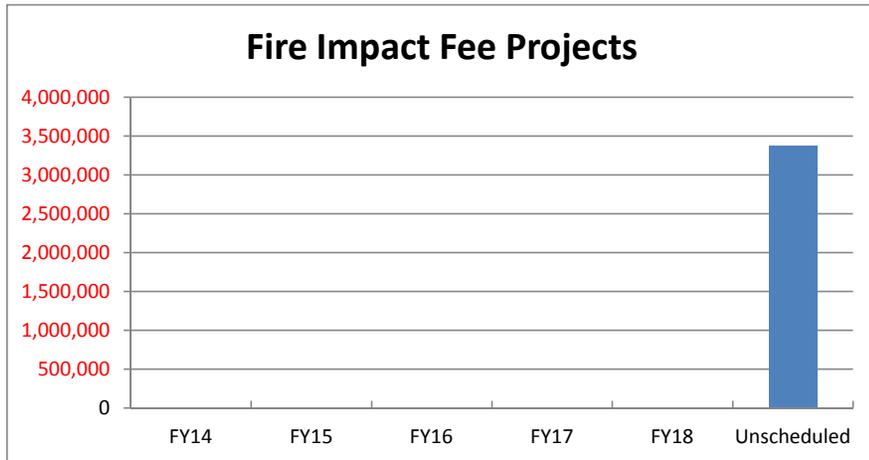
Fire Equipment & Capital Replacement Fund

**Fire Impact Fee  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 206,000	\$ 86,000	\$ 277,900	\$ 471,719	\$ 669,414	\$ 871,064	\$ -
Plus: Impact Fee Revenues Dedicated to CIP	\$ 190,000	\$ 191,900	\$ 193,819	\$ 197,695	\$ 201,649	\$ 205,682	\$ -
Less: Scheduled CIP Project Costs	\$ (310,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,369,699)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 86,000</b>	<b>\$ 277,900</b>	<b>\$ 471,719</b>	<b>\$ 669,414</b>	<b>\$ 871,064</b>	<b>\$ 1,076,746</b>	

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Fire Impact Fee Revenues	\$ 190,000	\$ 190,000	\$ 191,900	\$ 193,819	\$ 197,695	\$ 201,649
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 190,000	\$ 191,900	\$ 193,819	\$ 197,695	\$ 201,649	\$ 205,682
Current Revenues Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to Fire Capacity Expansion CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 190,000	\$ 191,900	\$ 193,819	\$ 197,695	\$ 201,649	\$ 205,682



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Impact Fees Fire									
	FIF06	FIRE IF	FIRE STATION #4						\$2,771,336
	FIF07	FIRE IF	FIRE ENGINE, STATION #4						\$598,363

<i>Summary for Impact Fees Fire (2 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>									\$3,369,699

CIP Project Fund  
Impact Fees Fire

DEPARTMENT  
FIRE IF

PROJECT NUMBER
FIF06

PROJECT NAME
FIRE STATION #4

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$2,771,336

DESCRIPTION OF PROJECT
<p>This project is identified as a priority in the adopted Fire Facility Plan because most of the City's north and west areas are located such that our response time exceeds four to six minutes for fire and medical emergencies. Land acquisition costs are not included. The City currently owns the site on the southwest corner of 19th Avenue and Graf Street, which is ideally situated for this station. This station will be needed as our community grows in its South West quadrant. We will need to watch annexations and subdivisions within the area and schedule this project accordingly.</p>

**ALTERNATIVES CONSIDERED**

Many are available: Scale down the project size and/or materials used in construction to accommodate a residential type facility similar to Station #2; require automatic sprinkler systems as built-in protection for all new construction located outside of existing stations' response time service districts; continue operating under current resources; relocated existing stations; accept longer-than-historical response times and high life and fire losses; acquire fire district's fixed facilities as annexation by the City continues.

**ADVANTAGES OF APPROVAL**

The completion of this project would enhance our ability to respond to growing parts of the community within a time frame that has been historically acceptable to the citizens of Bozeman. Station #1 and #2 are located in areas which ineffectively serve the area station 4 would be placed in. Current response times to the areas South of Kagy are approaching being out of our desired response time of 6 minutes or less 90% of the time.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating & Maintenance Costs: Impact Fees can not be spent on operations and maintenance costs. The City's General Fund will bear the annual operating and maintenance expenses associated with this facility, estimated at \$1,200,000, including all crew personnel.

**FUNDING SOURCES**

75% Fire Impact Fees (\$2,078,502), 25% other source (\$692,834.)

Impact Fee Funds Project and Equipment Scoring		TOTAL SCORE:	30
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0

CIP Project Fund  
Impact Fees Fire

DEPARTMENT  
FIRE IF

PROJECT NUMBER  
FIF07

PROJECT NAME  
FIRE ENGINE, STATION #4

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$598,363

DESCRIPTION OF PROJECT

This project is the purchase of an engine and accompanying equipment for use out of new Fire Station 4. It will be necessary to have this engine at the Station when it opens. There is an estimated 12 month lead time in delivery of this type of equipment. This engine will be needed for Station #4, which will be required as our community grows in its South West Quadrant. We will need to watch annexations and subdivisions within the area and schedule this project accordingly.

ALTERNATIVES CONSIDERED

Use of 1989 Pierce Reserve Pumper Darley; buy a used engine; lease/purchase an engine.

ADVANTAGES OF APPROVAL

Purchase of this unit will adequately equip Station #4 for fire and other emergency responses.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Impact Fees can not be used for annual operating and maintenance costs. The City's General Fund will pay for the increased fuel, maintenance and insurance costs associated with this engine, estimated at less than \$30,000 per year.

FUNDING SOURCES

75% Fire Impact Fees (\$448,772), 25% other source (\$149,590).

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

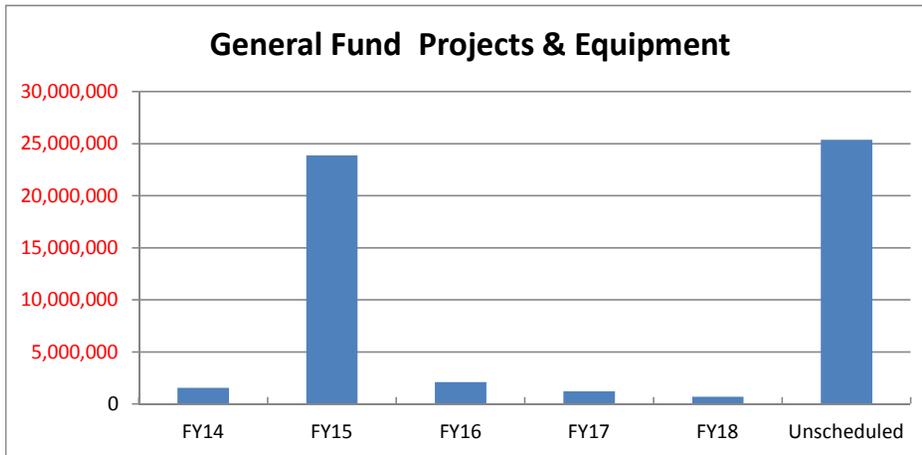
**General Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Balance Dedicated to CIP	\$ 473,320	\$ -	\$ 17,835	\$ 136,635	\$ (14,327)	\$ 190,488	
Plus: General Fund Revenues Dedicated to CIP	\$ 1,380,000	\$ 1,380,000	\$ 1,393,800	\$ 1,407,738	\$ 1,421,815	\$ 1,436,034	\$ -
Plus: Bond Issue: Police & Municipal Court Facility Bond			\$ 17,992,000				
Plus: Mandeville Farm Developer/Land Contribution			\$ 4,600,000	\$ 550,000			
Plus: FY13 Assigned to Bogert Pool Repairs/Design		\$ 177,000					
Less: Scheduled CIP Project Costs	\$ (1,853,320)	\$ (1,539,165)	\$ (23,867,000)	\$ (2,108,700)	\$ (1,217,000)	\$ (692,500)	\$ (25,361,800)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ -</b>	<b>\$ 17,835</b>	<b>\$ 136,635</b>	<b>\$ (14,327)</b>	<b>\$ 190,488</b>	<b>\$ 934,022</b>	

\* FY12 Budget Amendment Anticipated

*Assumptions Made for Revenue Estimates:*

	Projected				
	FY14	FY15	FY16	FY17	FY18
Estimated Annual General Fund Revenues	\$ 23,000,000	\$ 23,000,000	\$ 23,230,000	\$ 23,462,300	\$ 23,696,923
Estimated Growth in General Fund Revenues	0%	1%	1%	1%	1%
Total Estimated General Fund Revenues	\$ 23,000,000	\$ 23,230,000	\$ 23,462,300	\$ 23,696,923	\$ 23,933,892
Current Revenues Dedicated to CIP %	5.0%	6.0%	6.0%	6.0%	6.0%
Plus: Increase Dedicated to Capital Improvements %	1.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	6.0%	6.0%	6.0%	6.0%	6.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,380,000	\$ 1,393,800	\$ 1,407,738	\$ 1,421,815	\$ 1,436,034



PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
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CIP PROJECT FUND: General Fund

Sorted by Funding Year and Rating

GF053	POLICE	POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT	63	\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	
GF080	I.T.	REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT	50	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
GF104	FAC. MTC.	ENERGY UPGRADES	47	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
GF062	I.T.	SERVER & PERSONAL COMPUTER (PC) REPLACEMENT	45	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
GF162	FIRE	LIVE-FIRE TRAINING PROP	45	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	
GF103	FAC. MTC.	AMERICAN'S WITH DISABILITIES ACT (ADA) COMPLIANCE IMPROVEMENTS	42	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	
GF031	PARKS	PARK IMPROVEMENT GRANTS	37	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	
GF052	POLICE	UNMARKED VEHICLE REPLACEMENT PROGRAM	63	\$35,500	\$60,000	\$30,000		\$33,000	
GF185	ECONOMIC DE	MANDEVILLE FARM PROJECT - PHASE 1	45	\$150,000	\$4,600,000	\$550,000			
GF170	FAC. MTC.	BOILER REPLACEMENT AT FIRE STATION #1	62	\$255,665					
GF055	RECREATION	BOGERT POOL GUTTER AND POOL SHELL REPAIRS	57	\$382,000					
GF117	RECREATION	BOGERT POOL HEATER	55	\$100,000					
GF180	RECREATION	LINDLEY CENTER RESTROOMS ADA UPGRADES	52	\$40,000					
GF184	I.T.	WEB MAPPING	46	\$25,000					
GF197	I.T.	SQL CLUSTER UPGRADE	45	\$10,000					
GF197	RECREATION	LINDLEY CENTER CLEAN AND SEAL BASEMENT	39	\$25,000					
GF048	PLANNING	COPY MACHINE REPLACEMENT	37	\$25,000					
GF176	ATTORNEY	ELECTRONIC DISCOVERY SOFTWARE	36	\$65,000					
GF115	PARKS	PARK VEHICLE REPLACEMENTS	63		\$28,000	\$30,000	\$30,000	\$30,000	\$60,000
GF194	PARKS	PARK ENTRANCE SIGNS	37		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
GF166	POLICE	PORTABLE RADIO REPLACEMENTS	57		\$48,000	\$49,500	\$51,000	\$52,500	
GF010	CEMETERY	CEMETERY MOWER REPLACEMENTS	25		\$14,000	\$16,000	\$16,000	\$16,000	
GF165	POLICE	PATROL MOTORCYCLE REPLACEMENTS	66		\$70,000	\$70,000			
GF092	PARKS	PLAYGROUND EQUIPMENT	37		\$55,000		\$60,000		
GF050	POLICE/COURT	POLICE & MUNICIPAL COURT FACILITY	65		\$17,992,000				
GF079	I.T.	NETWORK CORE SWITCHES	50		\$50,000				

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
GF164	FAC. MTC.	REPLACEMENT OF IT AIR CONDITION UNIT AT PROFESSIONAL BUILDING	49		\$22,500				
GF137	RECREATION	SWIM CENTER POOL FILTRATION SYSTEM	45		\$135,000				
GF139	FAC. MTC.	CITY HALL PHASE 3 SITE IMPROVEMENTS	45		\$45,000				
GF188	FAC. MTC.	REPLACE BOILER AT BOZEMAN SENIOR CENTER	42		\$18,500				
GF163	ADMIN	COPIER/PRINTER/SCANNER REPLACEMENT	40		\$18,000				
GF187	FAC. MTC.	REPLACE WORN SIDING ON THE BOZEMAN SENIOR SOCIAL CENTER	39		\$25,000				
GF030	PARKS	ARTICULATING TRACTOR	35		\$110,000				
GF189	FAC. MTC.	REFINISH THE ROOF ON THE GREEN STORAGE BUILDING AT THE SHOP COMPLEX	30		\$38,000				
GF192	RECREATION	BOZEMAN SWIM CENTER CEILING TILE REPLACEMENT	30		\$40,000				
PW01	PARKS/FAC. MT	SHOPS FACILITY EXPANSION PLAN			\$10,000				
GF084	PARKS	PARKS RESTROOM UPGRADES	37			\$175,000	\$175,000	\$40,000	
GF051	POLICE	ANIMAL CONTROL VEHICLE	60			\$27,700			
GF142	RECREATION	SWIM CENTER POOL GUTTER & EDGE TILES, POOL RESURFACING, AND UNDERWATER LIGHTING REPLACEMENT	47			\$400,000			
GF034	PARKS	LARGE DECK MOWER	43			\$50,000		\$60,000	
GF083	CEMETERY	BACKHOE	42			\$110,000			
GF157	FAC. MTC.	SENIOR CENTER ELEVATOR	37			\$65,000			
GF116	CEMETERY	CEMETERY VEHICLE REPLACEMENTS	34			\$42,500			
GF100	PARKS	TRACTOR WITH BUCKET	33			\$45,000			
GF186	FAC. MTC.	REPLACE ENTRANCE LOCKS AT THE PROFESSIONAL BUILDING WITH FOB UNITS.	27			\$12,000			
GF140	RECREATION	LINDLEY CENTER PARKING LOT RENOVATION	47				\$47,000		
GF171	FAC. MTC.	CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING	43				\$11,000		
GF181	RECREATION	SWIM CENTER DECK TILE REPLACEMENT	43				\$198,000		
GF065	I.T.	AERIAL PHOTOGRAPHY	39				\$65,000		
GF130	FAC. MTC.	CITY HALL SITE IMPROVEMENTS - PHASE 2	38				\$40,000		
GF190	PARKS	4-WHEELER ATV REPLACEMENT	37				\$13,000		
GF126	City of Bozeman, MT	TRUCK WITH PLOW	36	52			\$23,000	Approved CIP FY14-FY18	

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
GF182	RECREATION	SWIM CENTER EXPANSION	46						\$1,200,000
GF056	RECREATION	DESIGN & CONSTRUCT COMMUNITY RECREATION/AQUATICS CENTER	44						\$21,000,000
GF144	PARKS	STORY MANSION SIDEWALKS	38						\$69,200
GF183	RECREATION	BOGERT POOL BATH HOUSE RENOVATION/RECONSTRUCTION	37						\$1,500,000
GF001	FAC. MTC.	PROFESSIONAL BUILDING ELEVATOR REPLACEMENT	33						\$65,600
GF111	PARKS	EAST GALLATIN REC AREA IRRIGATION REPAIRS	28						\$25,000
GF146	PARKS	LINDLEY PARK IRRIGATION SYSTEM	28						\$100,000
GF147	PARKS	SOFTBALL COMPLEX IRRIGATION SYSTEM	28						\$110,000
GF108	PARKS	PARK SIDEWALK REPLACEMENTS	27						\$182,000
GF148	PARKS	BMX PARKING LOT	25						\$85,000
GF149	PARKS	EAST GALLATIN REC AREA PARKING LOT	25						\$60,000
GF151	PARKS	BEALL PARK BASKETBALL COURTS	23						\$18,000
GF191	PARKS	UPGRADE OF SOFTBALL COMPLEX LIGHTING	22						\$825,000
GF195	PARKS	AERATOR	19						\$17,000
GF196	PARKS	SKATE PARK REFURBISHMENT	18						\$35,000
GF168	FAC. MTC.	NEW CITY HALL BRICK FAÇADE REPAIR	53						
GF064	PLANNING	VEHICLE REPLACEMENT	35					\$25,000	

*Summary for General Fund (69 items)*

*Totals by year:*

<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
\$1,539,165	\$23,867,000	\$2,108,700	\$1,217,000	\$692,500	\$25,361,800

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
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CIP PROJECT FUND: General Fund

Sorted by Department and Rating

GF163	ADMIN	COPIER/PRINTER/SCANNER REPLACEMENT	40		\$18,000				
GF176	ATTORNEY	ELECTRONIC DISCOVERY SOFTWARE	36	\$65,000					
GF083	CEMETERY	BACKHOE	42			\$110,000			
GF116	CEMETERY	CEMETERY VEHICLE REPLACEMENTS	34			\$42,500			
GF010	CEMETERY	CEMETERY MOWER REPLACEMENTS	25		\$14,000	\$16,000	\$16,000	\$16,000	
GF185	ECONOMIC DE	MANDEVILLE FARM PROJECT - PHASE 1	45	\$150,000	\$4,600,000	\$550,000			
GF170	FAC. MTC.	BOILER REPLACEMENT AT FIRE STATION #1	62	\$255,665					
GF168	FAC. MTC.	NEW CITY HALL BRICK FAÇADE REPAIR	53						
GF164	FAC. MTC.	REPLACEMENT OF IT AIR CONDITION UNIT AT PROFESSIONAL BUILDING	49		\$22,500				
GF104	FAC. MTC.	ENERGY UPGRADES	47	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
GF139	FAC. MTC.	CITY HALL PHASE 3 SITE IMPROVEMENTS	45		\$45,000				
GF171	FAC. MTC.	CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING	43				\$11,000		
GF103	FAC. MTC.	AMERICAN'S WITH DISABILITIES ACT (ADA) COMPLIANCE IMPROVEMENTS	42	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	
GF188	FAC. MTC.	REPLACE BOILER AT BOZEMAN SENIOR CENTER	42		\$18,500				
GF187	FAC. MTC.	REPLACE WORN SIDING ON THE BOZEMAN SENIOR SOCIAL CENTER	39		\$25,000				
GF130	FAC. MTC.	CITY HALL SITE IMPROVEMENTS - PHASE 2	38				\$40,000		
GF157	FAC. MTC.	SENIOR CENTER ELEVATOR	37			\$65,000			
GF001	FAC. MTC.	PROFESSIONAL BUILDING ELEVATOR REPLACEMENT	33						\$65,600
GF189	FAC. MTC.	REFINISH THE ROOF ON THE GREEN STORAGE BUILDING AT THE SHOP COMPLEX	30		\$38,000				
GF186	FAC. MTC.	REPLACE ENTRANCE LOCKS AT THE PROFESSIONAL BUILDING WITH FOB UNITS.	27			\$12,000			
GF162	City of Bozeman, MT	WTE-FIRE TRAINING PROP	45	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	Approved CIP FY14-FY18

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
GF079	I.T.	NETWORK CORE SWITCHES	50		\$50,000				
GF080	I.T.	REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT	50	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
GF184	I.T.	WEB MAPPING	46	\$25,000					
GF062	I.T.	SERVER & PERSONAL COMPUTER (PC) REPLACEMENT	45	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
GF198	I.T.	SQL CLUSTER UPGRADE	45	\$10,000					
GF065	I.T.	AERIAL PHOTOGRAPHY	39				\$65,000		
GF115	PARKS	PARK VEHICLE REPLACEMENTS	63		\$28,000	\$30,000	\$30,000	\$30,000	\$60,000
GF034	PARKS	LARGE DECK MOWER	43			\$50,000		\$60,000	
GF144	PARKS	STORY MANSION SIDEWALKS	38						\$69,200
GF031	PARKS	PARK IMPROVEMENT GRANTS	37	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	
GF084	PARKS	PARKS RESTROOM UPGRADES	37			\$175,000	\$175,000	\$40,000	
GF092	PARKS	PLAYGROUND EQUIPMENT	37		\$55,000		\$60,000		
GF190	PARKS	4-WHEELER ATV REPLACEMENT	37				\$13,000		
GF194	PARKS	PARK ENTRANCE SIGNS	37		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
GF030	PARKS	ARTICULATING TRACTOR	35		\$110,000				
GF100	PARKS	TRACTOR WITH BUCKET	33			\$45,000			
GF111	PARKS	EAST GALLATIN REC AREA IRRIGATION REPAIRS	28						\$25,000
GF146	PARKS	LINDLEY PARK IRRIGATION SYSTEM	28						\$100,000
GF147	PARKS	SOFTBALL COMPLEX IRRIGATION SYSTEM	28						\$110,000
GF108	PARKS	PARK SIDEWALK REPLACEMENTS	27						\$182,000
GF148	PARKS	BMX PARKING LOT	25						\$85,000
GF149	PARKS	EAST GALLATIN REC AREA PARKING LOT	25						\$60,000
GF151	PARKS	BEALL PARK BASKETBALL COURTS	23						\$18,000
GF191	PARKS	UPGRADE OF SOFTBALL COMPLEX LIGHTING	22						\$825,000
GF195	PARKS	AERATOR	19						\$17,000
GF196	PARKS	SKATE PARK REFURBISHMENT	18						\$35,000

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
PW01	PARKS/FAC. MT	SHOPS FACILITY EXPANSION PLAN			\$10,000				
GF048	PLANNING	COPY MACHINE REPLACEMENT	37	\$25,000					
GF064	PLANNING	VEHICLE REPLACEMENT	35					\$25,000	
GF165	POLICE	PATROL MOTORCYCLE REPLACEMENTS	66		\$70,000	\$70,000			
GF052	POLICE	UNMARKED VEHICLE REPLACEMENT PROGRAM	63	\$35,500	\$60,000	\$30,000		\$33,000	
GF053	POLICE	POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT	63	\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	
GF051	POLICE	ANIMAL CONTROL VEHICLE	60			\$27,700			
GF166	POLICE	PORTABLE RADIO REPLACEMENTS	57		\$48,000	\$49,500	\$51,000	\$52,500	
GF050	POLICE/COURT	POLICE & MUNICIPAL COURT FACILITY	65		\$17,992,000				
GF055	RECREATION	BOGERT POOL GUTTER AND POOL SHELL REPAIRS	57	\$382,000					
GF117	RECREATION	BOGERT POOL HEATER	55	\$100,000					
GF180	RECREATION	LINDLEY CENTER RESTROOMS ADA UPGRADES	52	\$40,000					
GF140	RECREATION	LINDLEY CENTER PARKING LOT RENOVATION	47				\$47,000		
GF142	RECREATION	SWIM CENTER POOL GUTTER & EDGE TILES, POOL RESURFACING, AND UNDERWATER LIGHTING REPLACEMENT	47			\$400,000			
GF182	RECREATION	SWIM CENTER EXPANSION	46						\$1,200,000
GF137	RECREATION	SWIM CENTER POOL FILTRATION SYSTEM	45		\$135,000				
GF056	RECREATION	DESIGN & CONSTRUCT COMMUNITY RECREATION/AQUATICS CENTER	44						\$21,000,000
GF181	RECREATION	SWIM CENTER DECK TILE REPLACEMENT	43				\$198,000		
GF197	RECREATION	LINDLEY CENTER CLEAN AND SEAL BASEMENT	39	\$25,000					
GF183	RECREATION	BOGERT POOL BATH HOUSE RENOVATION/RECONSTRUCTION	37						\$1,500,000
GF126	RECREATION	TRUCK WITH PLOW	36				\$23,000		
GF192	RECREATION	BOZEMAN SWIM CENTER CEILING TILE REPLACEMENT	30		\$40,000				

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY14	FY15	FY16	FY17	FY18	Unscheduled
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*Summary for General Fund (69 items)*

*Totals by year:*

<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
\$1,539,165	\$23,867,000	\$2,108,700	\$1,217,000	\$692,500	\$25,361,800

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

PROJECT NUMBER  
GF001

PROJECT NAME  
PROFESSIONAL BUILDING ELEVATOR REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$65,600

DESCRIPTION OF PROJECT

The elevator in the Professional Building is a three stop Otis elevator. The elevator was installed when the second floor was added in 1972. Since the City purchased the building re-modeling has occurred on both the main floor and second floor. The elevator is to the point where many technological improvements have been made in elevator technology and a change out would yield both improved service and some reductions in energy savings. While the elevator is still a safe system, there are some inherent problems with the operation of the elevator. Of the four elevators owned by the City, this system experiences the most downtime. One big problem is the leveling systems and the way the rails and tracks are mounted in the building. If someone loads the elevator heavy to one side or another the balance alarm will engage and the elevator has to be reset. A new car and track system would solve the nuisance trips associated with this elevator.

ALTERNATIVES CONSIDERED

Continue to maintain and adjust the elevator operating systems throughout the year. The current electronics for the building are also a source of increased vigilance on the system and the electrical components on the system had to be traced back this year on two occasions to determine the problems of uneven voltages associated with the system.

ADVANTAGES OF APPROVAL

A new car, rail system and control package would add to the reliability of the elevator operation and the address the accessibility requirements for a municipal building.

Building energy demands would also benefit as the newer elevator systems have more energy saving features built into them.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs:

A new system would reduce some of the maintenance costs currently associated with this elevator. A new system would also include a number of technological improvements such as a solid state slow start motor yielding reduced energy costs associated with the high demand motors used in elevator systems.

FUNDING SOURCES

General Fund and Building Inspection Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>33</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
CEMETERY

<b>PROJECT NUMBER</b>
<b>GF010</b>

PROJECT NAME					
CEMETERY MOWER REPLACEMENTS					

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$14,000	\$16,000	\$16,000	\$16,000	

**DESCRIPTION OF PROJECT**

Ongoing mower replacement program developed to keep the cemetery mowers operating as needed. These mowers are the equipment used to complete the mowing of 53 Formal Turf Acres (Workload Measure WL04), and support the Cemetery Divisions's performance measures PM03 and PM04 - Mowing the cemetery and adjacent trails.

**ALTERNATIVES CONSIDERED**

Keep older mowers for extended periods of time.

**ADVANTAGES OF APPROVAL**

Less down time, Decreased repair /maintenance costs, High trade –in value, Increased productivity, Less emissions.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Routine maintenance, oil changes, fuel.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 25**

LEVEL OF SERVICE (Up to 20):	5	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER
GF030

PROJECT NAME						
ARTICULATING TRACTOR						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$110,000				

DESCRIPTION OF PROJECT

The replacement of the 1992 MT articulating tractor, which does the bulk of the sidewalk snow removal for the Parks Division (WVL08), encompassing over 10 miles of sidewalks and two routes to plow.

ALTERNATIVES CONSIDERED

Repair and maintain the 1992 MT as needed or explore the potential of sharing the costs of new Wacker/Neuson wheel loader machines with the Street Division. The Wacker/Neuson machines are a fairly new development in regards to sidewalk snow removal and can handle numerous implements as well. Waiting on costs from the Street Division. Rough estimate is around \$52,000.00

ADVANTAGES OF APPROVAL

Less down time and maintenance/repair costs, A new MT tractor will be able to support more implements, Less emissions and better fuel economy, Faster more efficient use of time.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Better fuel economy and less emissions= less maintenance costs and operating costs.

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 35**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER
GF031

PROJECT NAME
PARK IMPROVEMENT GRANTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	

**DESCRIPTION OF PROJECT**

Contribute each year from the General Fund towards improving park infrastructure through implementation of park master plans. This grant program is a matching funds program in which the City receives a 1 to 1 match from the recipient. The Commission has established a formal grant policy by resolution. The number of Park Improvement Grants is tracked in department Workload Measure WL05, with 20 various grant projects underway in FY12.

**ALTERNATIVES CONSIDERED**

Handle park equipment and improvement requests on an adhoc basis, as various donors or service groups bring them forward. Allocate more or fewer dollars to the program.

**ADVANTAGES OF APPROVAL**

This matching funds program provides critical infrastructure to the park system by utilizing the talents of our community members through matching funds, donations, labor in lieu of and numerous specialized services. All of the above can be used as a match in this program

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: New infrastructure and facilities bring on increased maintenance and labor costs. The nature of each project funded will determine the continued costs. Some projects have very low ongoing costs, others have relatively higher costs.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	7
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER
GF034

PROJECT NAME
LARGE DECK MOWER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$50,000		\$60,000	

DESCRIPTION OF PROJECT

Replacement of the 1999 (in FY16) Toro 455 series mower, which is difficult to repair due to lack of parts (these mowers are not manufactured anymore). This mower is used in department weekly mowing (PM01-PM03). Mower in FY18 would be the addition of a large-deck sports turf mower, anticipated to be needed for additional land purchases from Park and Trail Bond and future annexations. The city currently maintains 125 acres of Formal Turf in the parks system (WL02).

ALTERNATIVES CONSIDERED

Continue to repair as break downs occur, Replace mowers as they breakdown, Lease mowers on a 3 - year program.

ADVANTAGES OF APPROVAL

Proper mowing of sports fields is imperative to safety. Regular replacement will reduce maintenance costs and decrease the number of breakdowns we have been experiencing. Well mowed parks are an important reflection on our City and how it is perceived by visitors and citizens. Having the right mower to do the job will ensure well mowed parks. New mowers will be more reliable, safer, productive, and will reduce the workload on the vehicle maintenance shop personnel.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Improve scheduling of mowing and increase crew efficiency because of reliable equipment.

FUNDING SOURCES

100% General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 43**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PLANNING

PROJECT NUMBER
<b>GF048</b>

PROJECT NAME						
COPY MACHINE REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$25,000					

**DESCRIPTION OF PROJECT**

The existing copy machine is expected to have a life of around 5 years given its intensive use, and was purchased in May 2008. The machine produces in excess of 250,000 copies per year. Repair and maintenance costs show a steady increase as wear continues. This request is for a replacement copier to meet the ongoing operational needs of the department, supporting all department workload measures for (WL01-WL32.) Incorporation of advanced scanning capability facilitates records management and customer service.

**ALTERNATIVES CONSIDERED**

Continue using current copier with an increasing frequency of down time and cost of repairs.

**ADVANTAGES OF APPROVAL**

The new copier will help contain operational costs due to maintenance. The copier is also utilized as a high capacity network printer and scanner for the department which brings some additional efficiencies in utilization of staff time in the preparation of reports, commission packets, and other materials.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: None, operating costs are already incurred with the current copier. Anticipated costs are expected to remain in line with current charges. Maintenance costs will increase annually without replacement.

**FUNDING SOURCES**

General Fund and/or Planning Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

PROJECT NAME						
POLICE & MUNICIPAL COURT FACILITY						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$17,992,000				

**DESCRIPTION OF PROJECT**

The City recently participated in the 2011 Campus Master Plan for the Gallatin County Law and Justice Center site. This study reviewed and validated the prior estimated space needs for the City and County’s criminal justice functions and specifically the facility needs of the Bozeman Police Department and Municipal Courts to 2020 and 2025. The master plan determined that there is adequate space for the City and County’s law enforcement and courts functions on the site and recommends the construction of two new buildings; a combined courts building housing the District, Justice and Municipal Courts and a separate combined law enforcement building for the Sheriff and Bozeman Police. The plan did not address sequencing or recommend timing of the construction, but did determine that the law enforcement building could be built in phases (police or sheriff) as the needs of the City and County dictated. Presently we are negotiating a memorandum of understanding with the County that would identify a construction site, agree to a mutually beneficial ownership model, and allow us to proceed with the design of a municipal courts and police facility, either with or without the county.

**ALTERNATIVES CONSIDERED**

The existing building does not meet current building and life-safety codes for critical public safety facilities and is not adequate for remodel or additions. Previous studies discuss the operational needs of the departments and the lack of the existing space. They analyzed alternative site locations for this facility including 5 dedicated acres at the current L&J site and approximately 6 acres at the current BMX Park located at 5th and Tamarack. These other sites would provide for projected expansion capabilities, adequate parking and public space needs but would separate the City’s criminal justice functions from the County.

**ADVANTAGES OF APPROVAL**

The Police Department would have adequate room for existing staff – and projected staff for 15-20 years. Sufficient Municipal Court space would also be available. This facility would be programmed and built with the PD, Court, and Prosecution needs in mind from the beginning. The new site and building would provide secure parking for the City’s police vehicle inventory. Public areas, secured areas, office locations, and space adjacencies could be maximized for the best and safest utilization (as opposed to a retro-fit of an existing building).

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Not estimated at this time. Currently, the City pays facility costs to the County for our square footage at the L & J. We anticipate asking voters to approve an operating levy, if necessary, when approving the construction levy.

**FUNDING SOURCES**

General Fund: Land and Construction would be funded by a voter-approved levy. 20 year General Obligation Bonds would be issued. FY12 & 13: \$500,000 each year for Design. FY15: \$17,992,000 Land Purchase and Construction.

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 65**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	5
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

PROJECT NUMBER
GF051

PROJECT NAME						
ANIMAL CONTROL VEHICLE						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$27,700			

DESCRIPTION OF PROJECT

FY16 - \$27,700 to replace vehicle Asset 3230, 2004 Dodge 4-wheel drive with an expected mileage of 109,000. This vehicle will be replaced with a new extended cab, 4wd truck. The department responds to nearly 2,000 Animal Complaints each year (WV07). During the winter months, it is very difficult to navigate the city streets and transport animals to the Heart of the Valley Animal Shelter with a 2 wheel drive pickup and need to continue use of a 4wd vehicle. It is anticipated that this vehicle will begin accumulating repairs and increasing maintenance costs. Purchase of a new truck would ensure many years of service without incurring high maintenance costs. The current truck could be used by another city department, be sold at auction, or used as a trade in. Hybrid fuel vehicles will be examined for suitability to assignment.

ALTERNATIVES CONSIDERED

The purchase of a newer lease return vehicle is a viable option and one that should be looked at before a final decision to purchase is made.

ADVANTAGES OF APPROVAL

4-wheel drive is important for 12-month access in difficult weather. 4-wheel drive vehicles are often used for evidence retrieval and transport. A flex-fuel vehicle would provide better gas mileage.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Reduction in costs expected.

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring		TOTAL RATING:	60
LEVEL OF SERVICE (Up to 20):	17	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	1
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

<b>PROJECT NUMBER</b>
<b>GF052</b>

<b>PROJECT NAME</b>
UNMARKED VEHICLE REPLACEMENT PROGRAM

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$35,500	\$60,000	\$30,000		\$33,000	

**DESCRIPTION OF PROJECT**

FOR POLICE INVESTIGATION AND ADMINISTRATION VEHICLES. FY14 - New vehicle for support service administrative position. FY15 - Replace vehicle Asset #2617 and 2618 1998 Chevrolet Lumina used by our School Resource Officers which will have become maintenance intensive. FY16 - Replace vehicle Asset #3138 Chevy Impala which will have over 120,000. Purchase mid-size passenger vehicles, plus equipment, to replace high mileage cars currently driven by detectives and to provide safe and reliable emergency response vehicles. An additional Support Service Supervisory Position requires a vehicle with similar emergency response needs. This amount includes all the necessary vehicle equipment, with some current equipment being reused. Hybrid fuel vehicles will be examined for suitability to assignment. As feasible and appropriate, old cars are either rotated for use as travel cars for employees attending training, traded in, sold at auction or transferred to other divisions in the city. Unmarked vehicles are an essential item in the operation of the Bozeman Police Department, being the primary tool used by Detectives, School Officers, and department administration to assist and manage the 41,000 Response to Calls (workload measures WL02-WL34) each year.

**ALTERNATIVES CONSIDERED**

No safe and reliable alternatives have been identified.

**ADVANTAGES OF APPROVAL**

Would drastically reduce maintenance costs, mechanical concerns and provide many years of reliable service. Increased public safety and officer safety in providing mechanically sound emergency response vehicles, reduced risk and liability related to use of unreliable cars.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Reduction in maintenance costs and possible reduction in fuel costs.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 63**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

<b>PROJECT NUMBER</b>
<b>GF053</b>

<b>PROJECT NAME</b>
<b>POLICE CARS &amp; VEHICLE EQUIPMENT REPLACEMENT</b>

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	

**DESCRIPTION OF PROJECT**

This plan allows for a number of patrol cars to be replaced each year, including all of the necessary vehicle equipment (top lights, sirens, mobile data terminals, video cameras, electronic reporting / ticketing systems, etc.) Patrol vehicles are an essential item in the operation of the Bozeman Police Department, being the primary tool used for over 41,000 Response to Calls (workload measures WL02-WL34) each year. Police vehicles must be available for police patrol use 24 hours a day, 365 days a year. These vehicles are used to respond to both emergency and non-emergency calls for service, investigate accidents, conduct traffic enforcement and for general patrol duties. These patrol vehicles average approximately 20,000 miles annually. The table on the following page is an outline of the replacement schedule.

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

This helps us plan for safe and reliable emergency response vehicles for patrol use, as well as projected lower annual maintenance costs due to lower annual miles driven per vehicle per year. This program would allow for the replacement of older, higher mileage patrol cars that become less reliable and more costly to repair. Equipment components mounted inside the car can sometimes be transferred from the old car to the new car, depending on the condition.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: These are replacements; recurring costs frequently decline as newer cars replace older ones. Maintenance costs have stabilized due to regularly scheduled service even though calls for service have increased and additional officers have been hired. Also, fewer miles are accumulating on the vehicles because the number of patrol vehicles has increased. Our projection is the useful life of each patrol car is being extended.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 63**

<i>LEVEL OF SERVICE (Up to 20):</i>	20	<i>DEPARTMENT PRIORITY (Up to 10):</i>	10
<i>OPERATING BUDGET IMPACT (Up to 10):</i>	10	<i>COMMISSION WORKPLAN (Up to 10):</i>	5
<i>SERVICE AREA (Up to 10):</i>	10	<i>ADOPTED CLIMATE PLAN (Up to 5):</i>	3
<i>FREQUENCY OF USE (Up to 5):</i>	5		

# Police Vehicle Details

Project Number	Asset #	Make	Current Mileage	FY14	FY15	FY16	FY17	FY18	Unscheduled	Notes	
GF053	3351	06 IMPALA	113,617	\$52,000						Mileage Oct 2012	
	3350	06 IMPALA	112,370	\$52,000						Mileage Oct 2012	
	3280	05 IMPALA	122,243	\$52,000						Mileage Oct 2012	
	3311	05 EXPLORER	107,124		\$52,000					Mileage Oct 2012	
	3352	06 IMPALA	115,841		\$52,000					Mileage Oct 2012	
	3440	08 IMPALA	78,185		\$52,000					Mileage Oct 2012	
	3369	07 IMPALA	77,345		\$52,000					Mileage Oct 2012	
	3499	09 IMPALA	29,728			\$52,000				Mileage Oct 2012	
	3498	CHEVY LUMINA	33,636			\$52,000				Mileage Oct 2012	
	3370	07 IMPALA	60,016			\$52,000				Mileage Oct 2012	
	3589	11 IMPALA	25,801				\$52,000			Mileage Oct 2012	
	3590	11 IMPALA	22,463				\$52,000			Mileage Oct 2012	
	3595	11 IMPALA	8,667				\$52,000			Mileage Oct 2012	
	3630	12 IMPALA	4,363				\$52,000			Mileage Oct 2012	
	3631	12 TAHOE	50					\$52,000.00			Mileage Oct 2012
	3627	12 IMPALA	3,904					\$52,000.00			Mileage Oct 2012
	3628	12 IMPALA	64					\$52,000.00			Mileage Oct 2012
<b>Totals</b>				\$156,000	\$208,000	\$156,000	\$208,000	\$156,000			

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER
GF055

PROJECT NAME
BOGERT POOL GUTTER AND POOL SHELL REPAIRS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$382,000					

**DESCRIPTION OF PROJECT**

General Fund Budget \$177,000 for this Item in FY13. The pool gutter system around the edge of the Bogert Pool is in disrepair. The gutter system is vital to the filtration system as it skims water from the pool and sends it to filtration. The pool shell is in need of replacement also. It is most efficient and economical to complete the gutter and shell projects together since they are connected and one project affects the other. This will replace the current concrete gutter system with a stainless steel gutter system and install a new plaster pool shell with a ceramic tiled whale logo to replace the 30 year old shell. This project would assist in making sure Aquatics classes aren't cancelled (PM08), reduce some of the current maintenance burdens (PM01), and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

**ALTERNATIVES CONSIDERED**

Build new outdoor leisure pool

**ADVANTAGES OF APPROVAL**

The USAquatics report stated that the above renovations will increase the life of the facility by an additional 30 plus years. This will benefit the community by keeping a historical icon in service, allowing community swim lessons and recreational swimming in an outdoor environment.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Reduced water use, Reduce Chemicals use, Reduce annual painting costs.

**FUNDING SOURCES**

100% General Fund \* General Fund Reserve \$382,000 for this Item in FY12.

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 57**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	9
OPERATING BUDGET IMPACT (Up to 10):	9	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	9	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	1		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

**PROJECT NUMBER**  
**GF056**

PROJECT NAME  
DESIGN & CONSTRUCT COMMUNITY RECREATION/AQUATICS CENTER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$21,000,000

**DESCRIPTION OF PROJECT**

Build a community center designed to create a visual connection between spaces and an openness that promotes community for all users. Aquatic Elements: Therapy pool, water slides, zero entry teaching area, river run, deep diving well, 25 yd lap pool. Fitness Elements: Indoor track, strength and cardio equipment, free weights, climbing wall. Gym Elements: Two multipurpose gym facilities and an indoor tennis court Multipurpose/Play Elements: Indoor playground and multipurpose rooms (one with a kitchen). This item was identified as a "Top Ten Capital Facility Recommendation" in the PROST plan, adopted October 2007.

**ALTERNATIVES CONSIDERED**

Implement plan in phases

**ADVANTAGES OF APPROVAL**

Community Benefits of a Community Center: Safe and healthy place for families to play; Connected families; Strong, vital, involved community; Support for youth at risk; and, Increased community programs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual operating and maintenance costs to include additional Recreation Department staff: Cost undetermined at this time. We would recommend asking voters to approve a levy increase of operations, at the time we funded the capital improvements.

**FUNDING SOURCES**

General Fund, Bond Issue, Grants, etc.

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>44</b>
LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	8
OPERATING BUDGET IMPACT (Up to 10):	0	COMMISSION WORKPLAN (Up to 10):	8
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER
<b>GF062</b>

PROJECT NAME						
SERVER & PERSONAL COMPUTER (PC) REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	

**DESCRIPTION OF PROJECT**

This is a general item for replacement of personal computers and Servers for General Fund related jobs and services. (Enterprise and Special Revenue fund services pay for their own pc's and servers.) As of FY10, Personal Computers's moved to a 4 year rotation and servers continued to be minimal of a 5 year asset before replacement. PC Replacements are one of the primary drivers of Help Desk Calls (PM01 & WL01) - aging computers can have more software and technical conflicts, and replaced PC's often require user support for newer versions of software, etc.

**ALTERNATIVES CONSIDERED**

Not replace computer/server hardware as frequently.

**ADVANTAGES OF APPROVAL**

City technology needs will be better met and the IT department will be able to more efficiently support employees and citizens.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring		TOTAL RATING:	45
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	7	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	8	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PLANNING

PROJECT NUMBER  
GF064

PROJECT NAME  
VEHICLE REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$25,000	

DESCRIPTION OF PROJECT

Replacement of the current vehicle, a 1998 Nissan Sentra with 55,000 miles. This is a small car which works well for single or two person activities but does not have much cargo or personnel capacity. The vehicle is used by Planning Staff for site visits to projects, posting notices on-site, in-town meetings and other department activities (WL01-WL32) . Replacement would be with a fuel efficient small vehicle, possibly a hybrid.

ALTERNATIVES CONSIDERED

Continue to operate the existing vehicles with increasing maintenance costs.

ADVANTAGES OF APPROVAL

Provide functional transportation with reduced maintenance costs. Because of the age of the existing vehicle, maintenance costs are likely to increase to keep it functional. Recent repairs include power windows and routine maintenance. The vehicle needs numerous minor repairs, including dashboard lights, that continue to be deferred.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: No new costs are expected as maintenance is already performed on the existing vehicle. However, maintenance and repair costs are anticipated to increase due to the age of the vehicle.

FUNDING SOURCES

General Fund and/or Planning Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 35**

LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER  
GF065

PROJECT NAME  
AERIAL PHOTOGRAPHY

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$65,000		

DESCRIPTION OF PROJECT

Acquire aerial photography for the Bozeman planning area. Aerial photography benefits both the organization and the community by supplying a clear and accurate representation of current conditions. This information is used on a daily basis in all levels of our operations. We continue to experience unprecedented demand for digital imagery (i.e., staff reports, Commission presentations, water/sewer utilities, public requests, etc.).

ALTERNATIVES CONSIDERED

Use of lower resolution satellite imagery. Partnerships with other agencies.

ADVANTAGES OF APPROVAL

Contributes to on-going acquisition of photos at regular intervals for historical archives. Since 1987 we have not gone more than five years without an update. Measurements and land use determinations are made on a local or regional basis without requiring extensive field time. Aerial photographs are used extensively in several on-line and in-house mapping applications. Background information for existing and future GIS & CAD datasets and Facility Plans. Meets public demand for current and accurate aerial photography.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

There are no annual operating or maintenance costs associated with this project.

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 39**

LEVEL OF SERVICE (Up to 20):	13	DEPARTMENT PRIORITY (Up to 10):	8
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	7	ADOPTED CLIMATE PLAN (Up to 5):	1
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

**PROJECT NUMBER**  
**GF079**

PROJECT NAME  
NETWORK CORE SWITCHES

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$50,000				

**DESCRIPTION OF PROJECT**

This is a scheduled replacement of switches that provide the backbone of the entire network. These provide the technology platform for the entire organization. The switches at the Professional Building will be replaced in FY15. This equipment is critical to the City's technology network, supporting all of the department's performance measures related to system "uptime" (PM02-PM06) and workload measures related to number of hours the network and various software is "in service" (WL02-W06).

**ALTERNATIVES CONSIDERED**

Maintain current switches without critical support or maintenance.

**ADVANTAGES OF APPROVAL**

Continued maintaining network stability and ensure phone services and data without interruption.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs:

**FUNDING SOURCES**

General Fund – with costs shared with Enterprise, as location warrants.

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>50</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER  
GF080

PROJECT NAME  
REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	

DESCRIPTION OF PROJECT

Wan Site end of life replacements for switches and router throughout City to include City Hall, Professional Building, City Shops, Landfill, L&J, Library, WWTP, WTP, Swim Center, Beall Park, Cemetery. Smaller sites will be consolidated in one year. FY 14 – Swim Center, PD, FS 1,2,&3 Cemetery. FY 15 - Prof-Building, Vehicle Maint. This equipment is critical to the City's technology network, supporting all of the department's performance measures related to system "uptime" (PM02-PM06) and workload measures related to number of hours the network and various software is "in service" (WL02-W06).

ALTERNATIVES CONSIDERED

Maintain current switches without critical support or maintenance.

ADVANTAGES OF APPROVAL

Maintain uptime for all WAN locations throughout the City to include phone services as well as data.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund – with costs shared with Enterprise, as location warrants.

General Fund Project and Equipment Scoring

**TOTAL RATING: 50**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
CEMETERY

PROJECT NUMBER  
GF083

PROJECT NAME  
BACKHOE

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$110,000			

DESCRIPTION OF PROJECT

This vehicle replaces the current cemetery backhoe that is used for burials an average of 2 times per week (WL01). This is the main piece of equipment utilized for cemetery burials.

ALTERNATIVES CONSIDERED

Continue to use older vehicle which is becoming unreliable and costly to maintain. Borrow from another department.

ADVANTAGES OF APPROVAL

Increased reliability and safety for staff and the families relying on cemetery services.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Operating and repair costs are expected to be lower than the existing vehicle.

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 42**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

<b>PROJECT NUMBER</b>
<b>GF084</b>

PROJECT NAME					
PARKS RESTROOM UPGRADES					

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$175,000	\$175,000	\$40,000	

**DESCRIPTION OF PROJECT**

This project is the general replacement and upgrading of the City Park's public restroom facilities. In order of priority: 1. Rose Park (new - FY16) – \$175,000 2. BMX Park (new - FY17) - \$175,000 3. Beall Park Restroom Refurb - \$40,000. The replacement of the Lindley Park Restroom Facility was scheduled and funded in FY13, as the top replacement priority. The Project was put on hold, pending the outcome of the MMIA litigation settlement. At this point, we are assuming that that "hold" will be lifted and the Lindley Park Restroom will be replaced in Late FY13, early FY14. Doing a good job maintaining the 13 existing restrooms (PM21 & WLI19) is critical to the enjoyment of park users.

**ALTERNATIVES CONSIDERED**

Continue to try to maintain existing facilities. The Rose and BMX Park projects will provide restroom facilities in areas where currently none exist.

**ADVANTAGES OF APPROVAL**

Ease of maintaining new restrooms, increased cleanliness of public facilities.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Operating and repair costs are expected to be lower than the existing facilities.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF092

PROJECT NAME  
PLAYGROUND EQUIPMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$55,000		\$60,000		

DESCRIPTION OF PROJECT

The following playground equipment needs to be replaced due to its age and condition: Replacement will bring fully compliant ADA equipment and reduce safety and liability concerns. FY15– Christie Park, FY17– Beall Park. In general, safety recommendations for playgrounds address: playground site elements, sight lines, equipment features and materials, surfacing materials, hardware, paints and finishes, and any other hazards that might be present. Playground repairs require "same-day" response (PM11) given their critical safety implication. We currently maintain 24 playgrounds city-wide (WLI10).

ALTERNATIVES CONSIDERED

Keep existing equipment in place.

ADVANTAGES OF APPROVAL

Increased safety for community members.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

100% General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF100

PROJECT NAME  
TRACTOR WITH BUCKET

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$45,000			

DESCRIPTION OF PROJECT

Replace the aging 1986 Ford tractor with a new tractor. This tractor will be used to broom the 4 ice rinks (WLI2), move material, assist in fertilization (PM04-PM06) and will be used extensively with all three city-owned aerators. New price information is much less expensive than previously quoted.

ALTERNATIVES CONSIDERED

Continue to repair and patch up the Ford tractor as breakdowns occur.

ADVANTAGES OF APPROVAL

Less down time and maintenance/repair costs, A new tractor will be able to support more implements, Less emissions and better fuel economy, Faster more efficient use of time.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Better fuel economy and less emissions= less maintenance costs and operating costs.

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 33**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF103</b>

<b>PROJECT NAME</b>
American's with Disabilities Act (ADA) COMPLIANCE IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Replace or install ADA upgrades in various city-owned buildings. Work examples include: door hardware, handrails, parking signage and stalls, building access, etc. Plans are in place to reestablish an ADA advisory committee in 2013 to provide recommendations to the city on priority order for any upgrades or improvements that we might make in order to make our facilities or programs more accessible. Having this money available to begin improvements will show our priorities have already been in place to address special needs concerns for the City of Bozeman.

**ALTERNATIVES CONSIDERED**

When remodels are initiated on buildings they are brought up to current ADA requirements as per regulations. There are changes to the ADA that took effect in March 2011. We will continue to make upgrades as changes are made to buildings but this budget item would accelerate the compliance for city buildings.

**ADVANTAGES OF APPROVAL**

It has been the policy of the city to meet the full spirit of the law as outlined in the ADA regulations. By taking the initiative to bring all our buildings up to current standards we can provide a positive example to the community in meeting the needs of people with restricted or limited mobility.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: No real costs foreseen with these improvements. Future costs could be reduced if the upgrades are made prior to any remodeling of the building

**FUNDING SOURCES**

100% General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 42**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

PROJECT NUMBER
<b>GF104</b>

PROJECT NAME
ENERGY UPGRADES

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	

**DESCRIPTION OF PROJECT**

Install occupancy sensors in areas that are occupied at irregular times; install programmable thermostats; replace plumbing fixtures with low-water fixtures; replace single glaze windows with double glazed units. Work would occur on all city owned buildings after an analysis of the work that would have the best payback and energy savings. Some consultation with an electrical engineer would be needed to develop some energy modeling to determine which improvements would have the best payback. This funding is expected to become available just as our federal Energy Efficiency & Conservation Block Grant money has been fully utilized.

**ALTERNATIVES CONSIDERED**

Currently upgrades are made as equipment reaches its useful life. This approach would be more proactive, replacing items that have a reasonable pay-back on energy savings.

**ADVANTAGES OF APPROVAL**

This work would be in line with the Mayor’s energy initiative. Some rebates are currently available through NorthWestern Energy which would help offset the cost of the change-outs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs:

Improvements that would result in the shortest payback would receive priority. Changes that would improve the work environment for employees and the public would also be given a priority.

**FUNDING SOURCES**

100% General Fund

<b>General Fund Project and Equipment Scoring</b>		<b>TOTAL RATING:</b>	<b>47</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF108

PROJECT NAME  
PARK SIDEWALK REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$182,000

DESCRIPTION OF PROJECT

Identified for replacement due to deteriorating cement, missing sections and heaving from weather and roots from trees. Approx \$7/ square foot for rip and replace. New sidewalks must meet or exceed city code. Replacing the old sidewalk will result in a safer sidewalk year round and enable the sidewalks plows to better meet the snow removal municipal code in 12.24.020 (PM23). Project 1: \$100,000 - Southside Park - replace 730' of sidewalk along South 5th Avenue and along West Alderson Street with new 6' (six foot) wide concrete sidewalk, and the related retaining wall. Project 2: \$82,000 - Cooper Park - replace the sidewalk around the entire block. This sidewalk serves as a main route to and from the University. Approximately 1875' total.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Increased safety for community members.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: no estimate at this time

FUNDING SOURCES

General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 27**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	0
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER
GF111

PROJECT NAME						
EAST GALLATIN REC AREA IRRIGATION REPAIRS						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$25,000
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**DESCRIPTION OF PROJECT**

Update and repair the irrigation and pump system that has been repeatedly damaged by construction of the restrooms and park expansion. A damaged system requires more repairs (PM07.) Wait until the Sunrise Rotary park development is completed.

**ALTERNATIVES CONSIDERED**

- Not irrigate until construction and master plan implementation is complete.
- Patch together what we can of the existing system and irrigate some of the park.

**ADVANTAGES OF APPROVAL**

- Efficiently irrigate the entire park
- Minimize labor due to potentially hauling hoses around.
- Shorten the time it takes to irrigate the park
- Irrigate at night-minimize evaporation, transpiration and vandalism to irrigation heads.
- Healthier turf

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Annual operating and maintenance costs would rise slightly, due to the upgrades of valves, rotor heads and electrical wire in the ground. These identified costs potentially could be offset by fuel, vehicle and manpower savings attributed to continual manual watering.

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 28**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

<b>PROJECT NUMBER</b>
<b>GF115</b>

<b>PROJECT NAME</b>					
PARK VEHICLE REPLACEMENTS					

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$28,000	\$30,000	\$30,000	\$30,000	\$60,000

**DESCRIPTION OF PROJECT**

Parks Department utilizes trucks for mowing, fertilization, irrigation, inspections, and repairs of the city parks (PM01 -PM23), comprising over 125 acres of formal turf and 220 acres of natural parkland. Because these are not emergency response vehicles, they are replaced as funding becomes available. All trucks are utilized well beyond 150,000 miles, and until service related downtime for equipment and staff become problematic or safety is compromised. A detailed listing of the replacement plan is shown on the following page, with vehicle mileage updated October 2012.

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

This insures safe and reliable vehicles for park use.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: These are replacements; recurring costs frequently decline as newer cars replace older ones.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 63**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

# Parks Vehicle Replacements - Details

Project Number	Asset #	Make	Model Yr	Current Mileage	FY14	FY15	FY16	FY17	FY18	Unscheduled	Notes
GF115	1495	GMC	1988	207,240		\$28,000					10/2012 MILEAGE
	2691	FORD	1990	188,830					\$30,000		10/2012 MILEAGE
	5561	FORD	1997	181,109				\$30,000.00		\$0	10/2012 MILEAGE
	3251	DODGE	2001	171,488						\$30,000	10/2012 MILEAGE
	1266	CHEVY	1985	145,088			\$30,000				10/2012 MILEAGE-
	3023	DODGE (1 TON)	2001	29,132					\$0	\$30,000	10/2012 MILEAGE -
<b>Totals</b>						\$28,000	\$30,000	\$30,000	\$30,000	\$60,000	

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

CEMETERY

GF116

PROJECT NAME

CEMETERY VEHICLE REPLACEMENTS

New

Replacement

Equipment

Project

FY14

FY15

FY16

FY17

FY18

Unscheduled

\$42,500

DESCRIPTION OF PROJECT

Cemetery Vehicle Replacement Plan. The Cemetery Department utilizes I-Ton trucks for operations and maintenance of the Sunset Hills Cemetery. Asset# 1213, 1989 I-Ton 4x4, Estimated 45,000 miles, replace in FY16. This I-Ton is critical to providing prompt burial services (loading and unloading dirt) roughly twice a week (W/L01), and sanding/plowing cemetery roads (P/M16). While it has relatively low mileage, the cost of repairs and its extremely low fuel economy (460 engine) drive our recommendation to replace this 27 year old vehicle. \*Mileage as of 10/2012

ALTERNATIVES CONSIDERED

None.

ADVANTAGES OF APPROVAL

This insures safe and reliable vehicles for cemetery use.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: These are replacements; recurring costs frequently decline as newer cars replace older ones

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

TOTAL RATING:

34

LEVEL OF SERVICE (Up to 20):

10

DEPARTMENT PRIORITY (Up to 10):

7

OPERATING BUDGET IMPACT (Up to 10):

5

COMMISSION WORKPLAN (Up to 10):

0

SERVICE AREA (Up to 10):

2

ADOPTED CLIMATE PLAN (Up to 5):

5

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

<b>PROJECT NUMBER</b>
<b>GF117</b>

<b>PROJECT NAME</b>						
BOGERT POOL HEATER						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$100,000					

**DESCRIPTION OF PROJECT**

The current boiler for Bogert pool is a 1946 380 million BTU heater. The boiler is unreliable half way through the season, locking out at night time. The replacement system will consist of four 200 thousand BTU heat exchangers, with a total of 800 thousand BTUs. They would be configured to run independently from each other, to increase the total efficiency. During the startup of the 2011 summer season the water maker was replaced and the asbestos was removed. This project would assist in making sure Aquatics classes aren't cancelled (PM08), reduce some of the current maintenance burdens (PM01), and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

**ALTERNATIVES CONSIDERED**

Continue using current boiler

**ADVANTAGES OF APPROVAL**

The new heat exchangers will decrease the amount of natural gas consumed by Bogert during the summer season. It will also increase the reliability of having the pool heated throughout the night, providing warm water for morning swim lessons.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Annual startup and winterization: \$1000

**FUNDING SOURCES**

100% general fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 55**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	8
OPERATING BUDGET IMPACT (Up to 10):	8	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	1		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF126

PROJECT NAME  
TRUCK WITH PLOW

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$23,000		

DESCRIPTION OF PROJECT

New ¾ ton 4X4 gas or diesel double cab truck with a V-plow mounted on the front. This truck would assist with Swim Center parking lot snow plowing (PM04), which needs to be completed by 5:00am for early morning swimmers.

ALTERNATIVES CONSIDERED

Contract our plowing for the Swim Center: \$1000/yr

ADVANTAGES OF APPROVAL

Be able to plow Swim Center lot, Assist in plowing of Story, Move 5 staff members at a time for Bogert start-up and shut-down, Pull kayak trailer to classes at East Gallatin pond, Replace 2 wheel drive truck with 151,000 miles.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 36**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF130</b>

<b>PROJECT NAME</b>						
CITY HALL SITE IMPROVEMENTS - PHASE 2						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$40,000		

**DESCRIPTION OF PROJECT**

A general landscape plan was prepared for the building remodel. It included planting beds, irrigation upgrades for a dated system and modifications to provide water coverage for the revised site and better use of treated city water. Improvement items include: Irrigation upgrade and new irrigation lines to all parts of the site, Reclamation of the abandoned alley to the south of the City Commission meeting room, Trees to provide screening and shading on the south facing elevation, A storm water detention area on the north east end of the alley to protect the creek from site run-off and any added siltation, Planting beds and screening from the parking lot to the south of City Hall, Benches and or picnic tables for staff and citizen use, Better amenities for bike racks will also be included. If approved the landscaping plan will be presented to the Commission for final review and approval.

**ALTERNATIVES CONSIDERED**

**ADVANTAGES OF APPROVAL**

The site improvements will add to the overall character of the building as an important municipal facility. Commitments were made in the LEED application for future site development that will address lower maintenance needs, less water use, and other green practices.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: The replacement of the irrigation system with a properly zoned system will make better use of treated city water. The landscape plan that has been initially developed for the site includes both native plantings and other vegetation requiring less water.

**FUNDING SOURCES**

100% General Fund.

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 38**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF137

PROJECT NAME  
SWIM CENTER POOL FILTRATION SYSTEM

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$135,000				

DESCRIPTION OF PROJECT

The current filtration at the Swim Center is a hazard to work in. Staff must climb into the filtration pit onto slick wood rails to scrub the filter grids on weekly bases. Once per month staff must climb to the bottom of the pit to clean out all old filter media, there is not a ladder the bottom of the pit so staff must swing from pipes to get to the bottom. The filter pit holds approximately 60,000 gallons of water, which gets flushed down the drain. A regenerative media system is a new media system that uses the same media that the Swim Center currently uses, which provides the cleanest water. The system is contained in a pressurized tank that will hold 400 gallons of water. To clean the staff will only be required to press a button, reducing the potential hazard. This project would assist in making sure Aquatics classes aren't cancelled (PM08), reduce some of the current maintenance burdens (PM01), and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

ALTERNATIVES CONSIDERED

Continue to use current system

ADVANTAGES OF APPROVAL

This project will decrease the work place hazards for staff, reduce staff time needed to clean filters, and replace media. The regenerative media system will also save approximately 700,000 gallons of water per year in cleaning.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Maintenance and Operating cost will be equal or less then current system.

FUNDING SOURCES

100% General fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 45**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	7	COMMISSION WORKPLAN (Up to 10):	7
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF139</b>

<b>PROJECT NAME</b>
CITY HALL PHASE 3 SITE IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$45,000				

**DESCRIPTION OF PROJECT**

Phase III will address some of the longer term site needs. Work proposed in this phase of improvements includes: an established path of travel through the parking lot from the parking area along Rouse to the entry sidewalk, resurfacing the parking lot and restriping will reduce annual maintenance costs, sections of sidewalk along Lamme are starting to deteriorate. Work on these sidewalk sections will be combined with the establishment of tree pits and drip irrigation. Current code calls for street trees approximately every 50 feet. The curb area around the creek crossing bridge on Lamme is an odd configuration that leads to water retention and freezing during the winter. Site security and pedestrian lighting will also be evaluated once a site plan and project costs are further refined.

**ALTERNATIVES CONSIDERED**

Certain components of Phase III will require coordination so that improvements do not get damaged with future work on the site.

**ADVANTAGES OF APPROVAL**

The site improvements will add to the overall character of the building as an important municipal focal point. The work proposed in Phase III will improve general pedestrian safety by getting people across the parking lot and address some of the deterioration sidewalk on the East Lamme side of the building. This area gets a good deal of pedestrian traffic for both City Hall and Hawthorn school.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Some additional costs will be incurred during the first few years as the plantings are starting to establish themselves on-site. The upgraded sidewalk areas will still need to be maintained, but a new walk will require less work to clear because the surface will be uniform and have the proper drainage slopes. Improvements to the parking lot will also reduce some of the overall annual maintenance costs.

**FUNDING SOURCES**

100% General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>45</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

<b>PROJECT NUMBER</b>
<b>GF 140</b>

<b>PROJECT NAME</b>						
LINDLEY CENTER PARKING LOT RENOVATION						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$47,000		

**DESCRIPTION OF PROJECT**

Seal and stripe the parking lot at the Lindley Center and include ADA parking stalls. Install parking lot lights and bases, a dumpster pad and dumpster enclosure fence. This project aligns with section 10.10.1 of the PROST plan (adopted October 2007) that recommends that City parks, recreation facilities and trails are accessible to the greatest extent possible. It would reduce some of the current maintenance burdens (PM07), and mitigate some of the items contained in Risk Management reports - Recreation Facilities (PM06). Includes permit fees.

**ALTERNATIVES CONSIDERED**

Sealing and striping lot and not installing lights

**ADVANTAGES OF APPROVAL**

Comply with city codes, allow for more cars to be parked in the lot at a time, more organized parking which will make the lot safer and reduced liability, lights will help with public safety and parking lot/facility security, ADA spots will be designated which will make the lot accessible, the dumpster would be enclosed.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual operating and maintenance costs to include stripping and periodic overlays.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 47**

LEVEL OF SERVICE (Up to 20):	13	DEPARTMENT PRIORITY (Up to 10):	9
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

**PROJECT NUMBER**  
**GF142**

**PROJECT NAME**  
SWIM CENTER POOL GUTTER & EDGE TILES, POOL RESURFACING, AND UNDERWATER LIGH

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$400,000			

**DESCRIPTION OF PROJECT**

The current Pool gutter tiles are from the original build in 1974. They are made of concrete and over the years have been eroded away and are becoming dangerously thin. The tiles are no longer made; the gutter will be replaced with a high impact plastic gutter system. The edge tiles around the pool will be damaged during the process, and they are also no longer available. A modern tile that will fit into the color scheme of the pool will replace them. \$210,000 The pools current shell surface will be 10 years old in 2017. The average life span of pool surfaces is 10 years. Resurfacing of the pool is the best time to replace light fixtures. In the last resurfacing the crew was not monitored and the fixtures were installed incorrectly, therefore we have disconnected the lights from the electricity source for safety. Resurfacing of the pool will be with Diamond-brite, and the lights will be LED fixtures producing better light at higher efficiency then the 500W fixtures currently in place. Light and shell resurfacing combined price: \$190,000 This project would assist in making sure Aquatics classes aren't cancelled (PM08), reduce some of the current maintenance burdens (PM01), and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

**ALTERNATIVES CONSIDERED**

Replace with stainless steel gutters

**ADVANTAGES OF APPROVAL**

Replace with stainless steel gutters

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 47**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

PARKS

GF144

PROJECT NAME

STORY MANSION SIDEWALKS

New

Replacement

Equipment

Project

FY14

FY15

FY16

FY17

FY18

Unscheduled

\$69,200

DESCRIPTION OF PROJECT

Replace the damaged areas of sidewalk around the perimeter lot of the Story Mansion. Replacing the old sidewalk will result in a safer sidewalk year round and enable the sidewalks plows to better meet the snow removal municipal code in 12.24.020 (PM23).

ALTERNATIVES CONSIDERED

The current sidewalks are the standard 5 foot walkways. Areas of the sidewalk are showing signs of wear making it difficult to maintain in the winter. The turf areas on either side of the sidewalk are higher than the sidewalk which leads to snow and snow melt-off accumulation on the walk. The Parks Department has moved to 6 foot wide sidewalks so it can be cleared properly with the equipment we currently use for winter snow removal.

ADVANTAGES OF APPROVAL

Annual Operating and Maintenance Costs: Replacement of the walks will facilitate more efficient snow removal on the block.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

TOTAL RATING:

38

LEVEL OF SERVICE (Up to 20):

15

DEPARTMENT PRIORITY (Up to 10):

3

OPERATING BUDGET IMPACT (Up to 10):

5

COMMISSION WORKPLAN (Up to 10):

0

SERVICE AREA (Up to 10):

10

ADOPTED CLIMATE PLAN (Up to 5):

0

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

<b>PROJECT NUMBER</b>
<b>GF146</b>

<b>PROJECT NAME</b>						
LINDLEY PARK IRRIGATION SYSTEM						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled	\$100,000
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**DESCRIPTION OF PROJECT**

Completely replace the irrigation system at Lindley Park. The system is one of the oldest in the city. It is becoming common that the pipe and electrical wire are starting to fail on a regular basis. A damaged system requires more repairs (PM07.) It is important to keep this system working because Lindley is one of our most used parks, keeping the grass green before and after the Sweet Pea Festival, and it also a part of the cemetery irrigation system.

**ALTERNATIVES CONSIDERED**

Repair existing system as needed

**ADVANTAGES OF APPROVAL**

- Healthier turf, grass will be green, not dormant in the summer
- Efficient use of the water (water conservation)
- Irrigate at night-minimize evaporation and transpiration
- Public safety, un-irrigated ground is hard and attracts gophers.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs:

Annual operating and maintenance costs would rise slightly, due to the nature of valves, rotor heads and electrical wire in the ground.

**FUNDING SOURCES**

100% General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>28</b>
LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER
<b>GF147</b>

PROJECT NAME						
SOFTBALL COMPLEX IRRIGATION SYSTEM						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$110,000

**DESCRIPTION OF PROJECT**

Replace the existing irrigation system at the softball complex. The system is 35 years old and starting to fail regularly. This is not only due to its age but because many of the lines were cut through and patched when the lighting system was installed. Work has been done to fix the curb stops from leaking by. A damaged system requires more repairs (PM07.)

**ALTERNATIVES CONSIDERED**

Continue to repair existing system

**ADVANTAGES OF APPROVAL**

- Healthier turf, grass will be green, not dormant in the summer
- Efficient use of the water (water conservation)
- Irrigate at night-minimize evaporation and transpiration
- Public safety, un-irrigated ground is hard.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs:

Annual operating and maintenance costs would rise slightly, due to the nature of valves, rotor heads and electrical wire in the ground.

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring		<b>TOTAL RATING:</b>	<b>28</b>
LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

PARKS

GF 148

PROJECT NAME

BMX PARKING LOT

New

Replacement

Equipment

Project

FY14

FY15

FY16

FY17

FY18

Unscheduled

\$85,000

DESCRIPTION OF PROJECT

Installation of parking lot at Westlake BMX park.

ALTERNATIVES CONSIDERED

Do not install a parking lot

ADVANTAGES OF APPROVAL

Also access for Childrens Memorial Park

Accessible area to park

Christmas tree dumping

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs:

Minimal. Clean-up, possible snow plowing, painting lines every few years

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

TOTAL RATING:

25

LEVEL OF SERVICE (Up to 20):

10

DEPARTMENT PRIORITY (Up to 10):

3

OPERATING BUDGET IMPACT (Up to 10):

5

COMMISSION WORKPLAN (Up to 10):

0

SERVICE AREA (Up to 10):

2

ADOPTED CLIMATE PLAN (Up to 5):

0

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

**PROJECT NUMBER**  
**GF149**

PROJECT NAME  
EAST GALLATIN REC AREA PARKING LOT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$60,000
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**DESCRIPTION OF PROJECT**

Paving parking lot at the East Gallatin Recreation Area.

**ALTERNATIVES CONSIDERED**

Keep the parking lot gravel

**ADVANTAGES OF APPROVAL**

Reduced maintenance on the road.  
We would be able to plow the parking lot after all snow events. We now have to make sure the ground is frozen before we plow so the parking lot does not come up with the snow.  
No washboards and holes to trap water.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs:

Minimal. Clean-up, possible snow plowing, painting lines every few years

**FUNDING SOURCES**

100% General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>25</b>
LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF151

PROJECT NAME  
BEALL PARK BASKETBALL COURTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$18,000
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DESCRIPTION OF PROJECT

Resurface or tile the existing court.

ALTERNATIVES CONSIDERED

Leave it the way it is.

ADVANTAGES OF APPROVAL

Improved basketball courts that are level, safe and are an asset to the park.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 23**

LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF157**

PROJECT NAME  
SENIOR CENTER ELEVATOR

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$65,000			

**DESCRIPTION OF PROJECT**

The elevator at the Bozeman Senior Social Center is a three stop Otis elevator. The elevator was installed in early 1980. The elevator is to the point where many technological improvements have been made in elevator technology and a change out would yield both improved service and some reductions in energy savings. While the elevator is still a safe system, the elevator is used often due to the special needs of the members of the Senior Center. Planning ahead for the replacement of the elevator will be more cost effective and avoid unnecessary down time during the replacement process.

**ALTERNATIVES CONSIDERED**

Continue to maintain and adjust the elevator operating systems throughout the year. Wait to replace the elevator until it physically breaks down or continue to monitor the operation and hold off on the replacement until the routine repair and maintenance costs exceed acceptable limits

**ADVANTAGES OF APPROVAL**

A new car, rail system and control package would add to the reliability of the elevator operation and the address the accessibility requirements for a municipal building.

Building energy demands would also benefit as the newer elevator systems have more energy saving features built into them.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs:

A new system would reduce some of the maintenance costs currently associated with this elevator. A new system would also include a number of technological improvements.

**FUNDING SOURCES**

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	5
OPERATING BUDGET IMPACT (Up to 10):	7	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FIRE

<b>PROJECT NUMBER</b>
<b>GF162</b>

<b>PROJECT NAME</b>
LIVE-FIRE TRAINING PROP

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	

**DESCRIPTION OF PROJECT**

This will complete the Fire training facility at the lower yards. It would be constructed of modular container units that will be configured and replaced when needed. This facility will be used year round. The following types of training would occur: Live Fire, Flashover, Ventilation, Forcible Entry, Confined Space, Hazardous Materials Response, and Trench Rescue. The facility would be available to the City Police Department for their training needs (Special Response Team, etc.) and to the Water and Sewer Department for continued Trench Rescue training. In recent budgets we have purchased the containers and have them stacked at the training site. The ongoing request is to begin and complete the passage doorways, roof props, burn rooms and eventually a standalone flash over prop. This project trains firefighters to respond to Fires (WL01), Reputure/Explosion (WL02), and Hazardous Conditions (WL04) and various other call types. It supports two department training performance measures (PM10 & PM11.)

**ALTERNATIVES CONSIDERED**

Continue with utilizing the existing site and Central Valley Fire training center out of the city and limited trips to Missoula to use their prop.

**ADVANTAGES OF APPROVAL**

Firefighters can train when on-duty, reducing overtime costs. Required for ISO compliance. This is one item that were recently marked down on in our latest ISO review. Located within the City Limits, firefighters would be close for call-outs. Available when needed (unlike Central Valley Fire site.) Shared facility with City Police and Water/Sewer Operations.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Operating costs are minimal and are within our existing operational budgets.

**FUNDING SOURCES**

100% General Fund.

<b>General Fund Project and Equipment Scoring</b>		<b>TOTAL RATING:</b>		<b>45</b>
LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):		10
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):		5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):		0
FREQUENCY OF USE (Up to 5):	5			

CIP Project Fund  
General Fund

DEPARTMENT  
ADMIN

PROJECT NUMBER  
GF163

PROJECT NAME  
COPIER/PRINTER/SCANNER REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$18,000				

DESCRIPTION OF PROJECT

Purchase of an ENERGY STAR rated Copier/Printer/Scanner to replace the oldest copier at City Hall, currently located in the City Clerk's office. This machine is used to print, scan and make copies for: Commission packets, general public requests and administrative/clerk staff, supporting all City Commission workload measures (WLI-WL9) and City Manager workload measures WL01, and WL04-WL08. At replacement time, this Konica Bizhub C550 machine will be approx 8 years old. The current machine is under a repair contract, but has recently required a lot of site-visits from the vendor. (This item was previously listed as "Finance Copier Replacement;" however, in FY13, the Finance Department copier was replaced with the Clerk's previous copier, when the Clerk's office moved upstairs. We've changed this item to simply replace the oldest copier in City Hall, where ever it may be located at the time.)

ALTERNATIVES CONSIDERED

Utilize other machines throughout City Hall.

ADVANTAGES OF APPROVAL

The Clerk's Office will have a critical piece of office equipment available in our office for customer service.

Energy star devices are more energy efficient than other non-rated machines

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: The replacement will be more energy efficient than the existing machine.

FUNDING SOURCES

100% General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>40</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF164**

PROJECT NAME  
REPLACEMENT OF IT AIR CONDITION UNIT AT PROFESSIONAL BUILDING

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$22,500				

DESCRIPTION OF PROJECT

Upgrade the aging air conditioner in the professional building's server room. Due to the migration to virtual servers, this piece of equipment is over-sized for today's uses. It is also out of warranty, so future repairs could be troublesome or difficult to accomplish. When in need of repair, this equipment is an "emergency" (PM01), due to its temperature control of critical IT equipment.

ALTERNATIVES CONSIDERED

Don't replace.

ADVANTAGES OF APPROVAL

The replacement will be significantly smaller and have reduced energy costs.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Assists in reducing the professional building's reoccurring energy costs.

FUNDING SOURCES

100% General Fund

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General Fund Project and Equipment Scoring

**TOTAL RATING: 49**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	8	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	4
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

**PROJECT NUMBER**  
**GF165**

PROJECT NAME  
PATROL MOTORCYCLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$70,000	\$70,000			

**DESCRIPTION OF PROJECT**

FY15 - \$70,000 will replace asset # 3112 and asset # 3154. This plan allows for our 2 primary patrol motorcycles to be replaced, including all of the necessary vehicle equipment (emergency lights, sirens, electronic reporting / ticketing systems, etc.) This program would replace older, higher mileage patrol motorcycles that become less reliable and more costly to repair. Equipment from the motorcycle can sometimes be transferred from the old motorcycle to the new motorcycle depending on the equipment's condition. Patrol motorcycles are an essential item in the traffic enforcement division, used for a portion of the over 13,000 traffic stops, crashes, and citations each year (WL32-34.) These vehicles are used to respond to both emergency and non-emergency calls for service, investigate accidents, conduct traffic enforcement and for general patrol duties.

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

This ensures safe and reliable emergency response vehicles for patrol use, as well as lower annual maintenance costs. For the traffic division to be effective, this equipment must be kept in top operating condition. Police motorcycles must be available for police patrol use during the day and when the city streets are clear enough to ride.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Maintenance costs are stable due to regularly scheduled service. Officers assigned to the motorcycle division are also assigned to their own motorcycle. This seems to reduce the wear on this equipment.

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 66**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

PROJECT NUMBER  
GF166

PROJECT NAME  
PORTABLE RADIO REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$48,000	\$49,500	\$51,000	\$52,500	

DESCRIPTION OF PROJECT

This plan allows for 9 police portable radios to be replaced each year, including all of the software, programming and peripheral accessories. This is planned replacement of radios at the end of their predicted usable life, estimated between six and ten years. This will provide seamless communication and response capabilities as the radios become less reliable and repair is no longer a financially prudent option. Portable (or hand-held) radios are an essential item in the operation of the Bozeman Police Department, being a critical communication tool used for over 41,000 Response to Calls (workload measures WL02-WL34) each year. Police radios must be available for police use 24 hours a day, 365 days a year. These radios are individually assigned, allowing for greater longevity, and department-wide communication in the event of a need for major response.

ALTERNATIVES CONSIDERED

None.

ADVANTAGES OF APPROVAL

This insures safe and reliable emergency communication and response. Program allows for a planned and predictable need for equipment replacement. Clear and dependable communication allows for quick and efficient deployment and the required level of officer safety.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 57**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF168**

PROJECT NAME  
New City Hall Brick Façade Repair

- New
- Replacement
- Equipment
- Project

FY14                      FY15                      FY16                      FY17                      FY18                      Unscheduled

**DESCRIPTION OF PROJECT**

At least 6 areas of brick around windows at the new City Hall are showing signs of weather deterioration. Water has become trapped behind areas of the brick causing the brick to crack. Most of the window areas are close to the ground but on the west side of the building the windows are on the second floor and falling brick pieces have the potential to fall on people or parked vehicles in the staff lot.

**ALTERNATIVES CONSIDERED**

The problem is caused by water getting behind the brick and during the freeze thaw cycle, the brick gets cracked which allows even more water to penetrate. There is a spray on binder that will seal the brick and bind some of the cracks. It is a temporary fix because of some of the deterioration that has already occurred. The repair options include cutting away the front surface of the brick and binding a new brick face to the wall and re-grouting. The better solution is to remove the entire section of brick and replace it with a brick of similar appearance and providing for weep holes behind the brick to allow the water to not

**ADVANTAGES OF APPROVAL**

Securing the building envelope and preventing further deterioration of adjoining brick; preventing damage to vehicles or injuries to people from falling pieces of brick; improving the exterior appearance of the building.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Address other areas of the building if other surfaces of the building start showing similar problems.

**FUNDING SOURCES**

100% general fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 53**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	6	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF170</b>

<b>PROJECT NAME</b>						
BOILER REPLACEMENT AT FIRE STATION #1						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$255,665					

**DESCRIPTION OF PROJECT**

The old steam boiler at Fire Station #1 has reached the end of its useful cycle. The fact that the unit is no longer serving the old City Hall means that it is working even less efficient because it is now oversized. The current plan was to replace the existing boiler with another steam boiler. When the steam lines were disconnected from old City Hall the condition of the pipes could be assessed. The pipes were found to be severely corroded and in poor condition. An engineer was hired to size the boiler for servicing only Fire Station #1 and to assess other features of the 1964 vintage system. Three options were proposed to upgrade the system for both building comfort and energy efficiency. The third option proposed in the study is the most efficient and has the best payback. This project significantly effects building occupant comfort/quality (PM05) and potentially generates emergency and non-emergency repairs (PM01-3).

**ALTERNATIVES CONSIDERED**

Replacement of the current boiler with another steam boiler is no longer an option after assessing the condition of the steam distribution lines and other components of the older system. Three options were reviewed and a summary report for each option was included in the analysis done by the engineer. The least expensive solution is to stay with a stem system. The project will now include boiler replacement, distribution line replacement, and changing out the old pneumatic controls with a digital control system.

**ADVANTAGES OF APPROVAL**

The proposed option will better address the variable heating needs of the building – work areas, living areas, and fire bays. The proposed system is designed for the current configuration of the building and could be supplemented to handle the additional square footage proposed when the dorm area of the station is increased. The proposed system is in line with the Municipal Climate Action Plan. Planning for the replacement of the current boiler prior to failure of the unit will be most cost effective.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

The recommended system would result in an approximate \$9,000 per year in energy savings at current utility rates. The payback would be about 28 years.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 62**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	9
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF171</b>

<b>PROJECT NAME</b>						
CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$11,000		

**DESCRIPTION OF PROJECT**

The drainage on the west side of the building at City Hall needs some re-grading to properly drain the lot. The roof drain and melting snow is ponding in the lot and accumulates in the ADA parking spot. Water needs to be diverted from the area from the public building entrance to the south. The work will involve removal of pavement, regrading, and repaving in order to drain properly. So concrete aprons may need to be added along the edge of the building to aid drainage.

**ALTERNATIVES CONSIDERED**

Phase II and Phase III improvements for City Hall are already listed in the Capital Improvements Budget. This work could be added into one of those phases.

**ADVANTAGES OF APPROVAL**

Proper drainage of the lot will reduce water ponding and during the winter icing in the lot. It will make the building access safer and improve the layout of the ADA parking space on the west side of the building.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Proper drainage will reduce the amount of time needed to make sure there is safe building access from the staff parking lot and reduce the risk of slip and falls. Proper drainage will also mean less hand shoveling and less sand and salting of the lot.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 43**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	8	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	8	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
ATTORNEY

**PROJECT NUMBER**  
**GF176**

PROJECT NAME  
ELECTRONIC DISCOVERY SOFTWARE

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$65,000					

DESCRIPTION OF PROJECT

Currently we have software that enables electronic discovery of email communications. We are lacking the ability to enable electronic discovery of other records. This item would buy the software to more efficiently respond to discovery requests for litigation support, trials (WL03 & WL04), DUI and domestic violence case prosecution (WLI1-WLI4) and requests for Confidential Criminal Justice Information (WL08).

ALTERNATIVES CONSIDERED

CONTINUE TO MANUALLY DISCOVER RECORDS

ADVANTAGES OF APPROVAL

ENSURES CITY WILL DISCOVER ALL REQUESTED RECORDS

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED  
\$3600/ANNUALY

FUNDING SOURCES

100 % General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 36**

LEVEL OF SERVICE (Up to 20):	8	DEPARTMENT PRIORITY (Up to 10):	5
OPERATING BUDGET IMPACT (Up to 10):	8	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

RECREATION

GF180

PROJECT NAME

Lindley Center Restrooms ADA Upgrades

New

Replacement

Equipment

Project

FY14

FY15

FY16

FY17

FY18

Unscheduled

\$40,000

DESCRIPTION OF PROJECT

This project will upgrade existing restrooms in the Lindley Center to be compliant with federal ADA guidelines, and City of Bozeman Building codes. The project will also replace materials, such as flooring and backsplashes, with products that are easily cleaned and do not harbor pathogens. This estimate includes architectural fees, permitting, and construction. This project would assist in making sure Recreation Programs aren't cancelled (PM08), reduce some of the current maintenance burdens (PM07), and mitigate some of the items contained in Risk Management reports - Recreation Facilities (PM06).

ALTERNATIVES CONSIDERED

As suggested by the commission

ADVANTAGES OF APPROVAL

\*Brings restrooms up to current ADA requirements \* Brings restrooms up to current City of Bozeman codes \*Improves restrooms sanitary environment \*Improves esthetics

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

TOTAL RATING:

52

LEVEL OF SERVICE (Up to 20):

18

DEPARTMENT PRIORITY (Up to 10):

8

OPERATING BUDGET IMPACT (Up to 10):

8

COMMISSION WORKPLAN (Up to 10):

8

SERVICE AREA (Up to 10):

4

ADOPTED CLIMATE PLAN (Up to 5):

1

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER
GF181

PROJECT NAME						
Swim Center deck tile replacement						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$198,000		

**DESCRIPTION OF PROJECT**

The tile on the Bozeman Swim Center’s deck is the original tile. The grout has worn away in many places and the tile is cracked in many places. The tile pattern was a special order tile when the pool was constructed and we have none left. Replacement with a current, non-skid tile will not only increase the visual appeal of the facility, but will help reduce the number of slips that occur at the facility. This project would reduce some of the current maintenance burdens (PM01) and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

**ALTERNATIVES CONSIDERED**

Replace the deck in four sections, north(\$23,500), south(\$23,500), east(\$81,000) and west(\$70,000) deck. With the first deck being the east deck.

**ADVANTAGES OF APPROVAL**

Increase safety by installing non-skid tile

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>43</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF182

PROJECT NAME  
Swim Center Expansion

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$1,200,000

DESCRIPTION OF PROJECT

The Swim Center expansion will increase the size of the lobby, create a secure front desk space, provide for private(Family) ADA changing rooms, bring all entrances up to current federal ADA codes, add a teaching/birthday party room, and provide office space for staff. This project would reduce some of the current maintenance burdens (PM01) and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

This project will provide space to meet the current needs and use of the Swim Center

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>46</b>
LEVEL OF SERVICE (Up to 20):	13	DEPARTMENT PRIORITY (Up to 10):	5
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF183

PROJECT NAME  
Bogert Pool Bath House Renovation/Reconstruction

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$1,500,000
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DESCRIPTION OF PROJECT

This project will be for the renovation/reconstruction of the bathhouse at Bogert Pool. The will bring the bathhouse up to current codes for plumbing, electrical, and structural. This will also bring the bathhouse up to current ADA standards. This project would reduce some of the current maintenance burdens (PM01) and mitigate some of the items contained in Risk Management reports - Aquatics Facilities (PM06).

ALTERNATIVES CONSIDERED

Full Remodel of Existing House

ADVANTAGES OF APPROVAL

Providing a safe, and up to code facility for the public

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	1		

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER  
GF184

PROJECT NAME  
WEB MAPPING

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$25,000					

DESCRIPTION OF PROJECT

Migrate existing web mapping applications to support future software releases. The City maintains several mapping sites, both internal & public. We have provided access to valuable information since 2002, with increased demand in recent years as the internet becomes more functional. The software program we use to create and manage these sites is being discontinued. An opportunity also exists to provide additional functionality through easy-to-use tools (e.g., basic analysis, reporting, etc.).

ALTERNATIVES CONSIDERED

Contracted professional services for custom application development.

ADVANTAGES OF APPROVAL

The City will continue to provide vital information to its employees & citizens. We will maintain substantial investments that have been made over many years. Additional functionality will be available to end-users, thus increasing the value of our information.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Maintenance (first year included) = \$4,000.00

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 46**

LEVEL OF SERVICE (Up to 20):	17	DEPARTMENT PRIORITY (Up to 10):	10
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	7	ADOPTED CLIMATE PLAN (Up to 5):	2
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

ECONOMIC DEVELOPMENT

GF185

PROJECT NAME

Mandeville Farm Project - Phase I

New

Replacement

Equipment

Project

FY14

FY15

FY16

FY17

FY18

Unscheduled

\$150,000

\$4,600,000

\$550,000

DESCRIPTION OF PROJECT

Phase I Infrastructure Improvements for the Mandeville Farm Project, according to the Mandeville Property Land Use Plan. FY14 - Preliminary Engineering Report (\$50,000) and SiteWork, with beginning of geo-tech and platting work. FY15 - Complete Geo-tech, Platting, Water, Sewer, Electrical, Fiber-Optic, Street, Curb, Gutter, Sidewalk, Stormwater infrastructure. FY16 - Signage, Landscaping, Trail & Bridge Work. Costs of infrastructure could be off-set by the sale of land in the development. This project is critical to the City's development of the Mandeville Farm Industrial Tax Increment District (Community Development workload indicator WL01)

ALTERNATIVES CONSIDERED

any

ADVANTAGES OF APPROVAL

Phase I development of the Mandeville Property – Commission Policy Initiative 2e on the adopted 2011-2012 Work plan. Development of the Mandeville property for job creation and industry diversification has been adopted as a commission priority.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

unknown

FUNDING SOURCES

The City is very actively pursuing a Montana Department of Commerce Economic Development Grant, which would provide \$450,000 (to be matched with \$450,000 local dollars) for infrastructure improvements, most likely the FY15 tasks. Total potential sources of funding: General Fund, grant funding, private investment (leverage the land for infrastructure), bonding, TIF

General Fund Project and Equipment Scoring

TOTAL RATING:

45

LEVEL OF SERVICE (Up to 20):

10

DEPARTMENT PRIORITY (Up to 10):

10

OPERATING BUDGET IMPACT (Up to 10):

0

COMMISSION WORKPLAN (Up to 10):

10

SERVICE AREA (Up to 10):

10

ADOPTED CLIMATE PLAN (Up to 5):

0

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF186**

**PROJECT NAME**  
Replace Entrance Locks at the Professional Building with Fob Units.

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$12,000			

**DESCRIPTION OF PROJECT**

There are 6 main entrance doors at the Professional Building on the south, north, and west sides of the building. The current door locks would be replaced with the radio frequency fob locks that are being used for other city buildings.

**ALTERNATIVES CONSIDERED**

Stay with the existing key locks.

**ADVANTAGES OF APPROVAL**

Replacement of the key locks with fobs would be consistent with the other locks that have been installed on all new city projects. This is one of the last primary city buildings that is not equipped with the fob units. These locks would allow for easier access for the various employees and multiple departments that occupy the building.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

100% general fund unless the building department fund would be charged separately for a portion of the cost.

General Fund Project and Equipment Scoring

**TOTAL RATING: 27**

<i>LEVEL OF SERVICE (Up to 20):</i>	15	<i>DEPARTMENT PRIORITY (Up to 10):</i>	0
<i>OPERATING BUDGET IMPACT (Up to 10):</i>	5	<i>COMMISSION WORKPLAN (Up to 10):</i>	0
<i>SERVICE AREA (Up to 10):</i>	2	<i>ADOPTED CLIMATE PLAN (Up to 5):</i>	0
<i>FREQUENCY OF USE (Up to 5):</i>	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF187**

**PROJECT NAME**  
Replace Worn Siding on the Bozeman Senior Social Center

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$25,000				

**DESCRIPTION OF PROJECT**

The original siding on the Senior Center is wide flat boards installed in a clap board pattern. The board are showing signs of wear and many are split and exposing the underlayment. Areas of the building that were damaged in the 2010 hail storm were resided with a cement based siding that is more durable. While the current siding does add character to the building it will be difficult to replace or refinish and the proposed material will be more durable.

**ALTERNATIVES CONSIDERED**

Repair, replace, and repaint the existing wide board siding.

**ADVANTAGES OF APPROVAL**

Install a more durable type of siding that will seal the building envelope and provide for a material that will have a longer life.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Long term maintenance costs will be reduced.

**FUNDING SOURCES**

General Fund

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General Fund Project and Equipment Scoring

**TOTAL RATING: 39**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF188**

PROJECT NAME  
Replace Boiler at Bozeman Senior Center

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$18,500				

DESCRIPTION OF PROJECT

There are two hot water boilers at the Bozeman Senior Social Center. One boiler was replaced about 3 years ago. The other boiler from about 1989 is now assigned as a back-up boiler. The older unit is having problems firing and will often not come on. The boiler would be replaced with a high efficiency combustion boiler and the other unit would then be used as the back-up unit.

ALTERNATIVES CONSIDERED

Work is being done right now on the old unit to get the venting and firing to function property so that we can continue to use the unit for awhile.

ADVANTAGES OF APPROVAL

Replacing the older unit will give us a reliable more cost effective boiler which will help with both comfort levels (PM04) and efficiency.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Reduced maintenance and operating costs from less energy use.

FUNDING SOURCES

100% general fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>42</b>
LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	5
FREQUENCY OF USE (Up to 5):	3		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF189**

**PROJECT NAME**  
Refinish the Roof on the Green Storage Building at the Shop Complex

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$38,000				

**DESCRIPTION OF PROJECT**

The Green Building used for vehicle and equipment storage has a metal roof that is has been leaking at the seams of the metal panels. The interior ceiling shows lots of areas where leaks are occurring. There is a new technique where a plasticized material is sprayed on the roof which will seal all the seams and cover the existing metal roof material. The roof is power washed, seams are sealed and the spray material is applied.

**ALTERNATIVES CONSIDERED**

Remove and replace all the existing metal roof panels. There is also an option of spraying on a layer of insulation and then spraying on the roof finish. Rather than applying the insulation on the roof, once the roof is sealed the insulation on the ceiling and some ventilation for condensation will need to be installed.

**ADVANTAGES OF APPROVAL**

The spray on material will cost less than removing all the panels which are showing no signs of rusting.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

As mentioned after the roof is sealed, the ceiling of the building will need to be removed and new insulation and sheet rock will need to be installed.

**FUNDING SOURCES**

General Fund and other departments that occupy the shop complex and store equipment in the building could be charged for the cost of the repairs.

General Fund Project and Equipment Scoring

**TOTAL RATING: 30**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF190

PROJECT NAME  
4-Wheeler ATV Replacement

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$13,000		

DESCRIPTION OF PROJECT

Replace the ATV (2000 Yamaha Grizzly) used for sidewalk snow removal (WL08 - approx 10 miles) and is the main piece of equipment that is used to spray approx 300 acres with herbicides and biostimulants for the Parks Division (WL13-14.)

ALTERNATIVES CONSIDERED

Continue to use the 2000 Yamaha Grizzly and repair as needed.

ADVANTAGES OF APPROVAL

Maximize efficiency, minimize down time, proactive replacement of aging equipment.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Routine maintenance

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF191

PROJECT NAME  
Upgrade of Softball Complex Lighting

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$825,000
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DESCRIPTION OF PROJECT

Replace the current lights at the Softball Complex with appropriate stadium lights. Estimate provided by MUSCO, would be bid at the time of construction. Existing lights have light spillage and this is the only way to make the lights Dark Skies Compliant.

ALTERNATIVES CONSIDERED

Keep existing lights

ADVANTAGES OF APPROVAL

The new lights can offer 50% less light spillage and glare and reduce energy costs by up to 50%. Additionally, upgraded lights could help to reduce or eliminate complaints regarding light pollution.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Reduction in electrical use.

FUNDING SOURCES

100% General Fund, or fundraising by user groups - Cost estimates range from \$750,000 to \$825,000 in August 2012.

General Fund Project and Equipment Scoring

**TOTAL RATING: 22**

LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	0
OPERATING BUDGET IMPACT (Up to 10):	6	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	1		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF192

PROJECT NAME  
Bozeman Swim Center Ceiling Tile Replacement

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$40,000				

DESCRIPTION OF PROJECT

This Project will replace all of the ceiling tiles above the pool at the Bozeman swim Center. Most of the tiles are from the original construction. They have lost their reflective ability, limiting the amount of light reflected down into the pool. Replacement of the tiles will increase the visibility on the bottom of the pool and increase public safety thereby mitigating an element of Risk Management reports - Aquatics Facilities (PM06).

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Increase safety of swimmers by reflecting more light off the ceiling tiles. This will also increase the aesthetics of the facility.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>30</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

<b>PROJECT NUMBER</b>
<b>GF194</b>

<b>PROJECT NAME</b>
Park Entrance Signs

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000

**DESCRIPTION OF PROJECT**

A five year project to replace existing park signs and add park entrance signs where none currently exist with an updated, identifiable, uniform, maintenance-free park sign. This project would provide for approximately 5 double-sided signs per year.

**ALTERNATIVES CONSIDERED**

Continue to make our own wooden routed park signs.

**ADVANTAGES OF APPROVAL**

A uniform signing system creating easily identifiable park properties, continuity, and reduction in labor costs due to constant upkeep of our wooden signs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

None

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF195

PROJECT NAME  
Aerator

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$17,000
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DESCRIPTION OF PROJECT

An additional aerator into Parks and Recreation inventory of turf equipment. This would be used to maintain the 125 acres of turf in the park inventory (WL02).

ALTERNATIVES CONSIDERED

Continue to operate with one aerator.

ADVANTAGES OF APPROVAL

Proactively and aggressively aerate parks and sports fields within the City to create a finer and healthier product.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

TOTAL RATING:

19

LEVEL OF SERVICE (Up to 20):	5	DEPARTMENT PRIORITY (Up to 10):	3
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	1		

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

**PROJECT NUMBER**  
**GF196**

PROJECT NAME  
Skate Park Refurbishment

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$35,000

**DESCRIPTION OF PROJECT**

Tear out and replace the East end of the Skate Park to make it more functional and create a space appropriate for beginners to learn. This project is in coordination with Gallatin Valley Skate Park Association. This could potentially be a Park Improvement Grant Project (WL05) or Volunteer project (WL07).

**ALTERNATIVES CONSIDERED**

Leave the East end as it is to be underutilized by participants.

**ADVANTAGES OF APPROVAL**

A non-functioning section of the Skate Park can be transformed into a learning and teaching area. This plan can nurture younger participants and increase family activity at the Skate Park, ultimately creating a healthier environment.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**  
none

**FUNDING SOURCES**

100% General Fund, possibly local fundraising and donations.

General Fund Project and Equipment Scoring

**TOTAL RATING: 18**

<i>LEVEL OF SERVICE (Up to 20):</i>	5	<i>DEPARTMENT PRIORITY (Up to 10):</i>	3
<i>OPERATING BUDGET IMPACT (Up to 10):</i>	5	<i>COMMISSION WORKPLAN (Up to 10):</i>	0
<i>SERVICE AREA (Up to 10):</i>	2	<i>ADOPTED CLIMATE PLAN (Up to 5):</i>	0
<i>FREQUENCY OF USE (Up to 5):</i>	3		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER
GF197

PROJECT NAME
Lindley Center Clean and Seal Basement

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$25,000					

**DESCRIPTION OF PROJECT**

Put in FY14 Due to public safety concerns - The Lindley Center basement has become a health and safety hazard. It is infested with rodents, is dilapidated and is to the point of being non-functional. The basement has previously been used for storage of Parks and Recreation Department program supplies (used in youth programs) as well as storage for other community groups such as Bridger Ski Foundation and Gallatin Valley Bike Club. The proposed project will include the following: Cleaning/disinfecting and packing out all salvageable supplies to an on-site storage container, patching all holes where rodents are entering the structure, cleaning and disinfecting the structure. It would reduce some of the current maintenance burdens (PM07), and mitigate some of the items contained in Risk Management reports - Recreation Facilities (PM06).

**ALTERNATIVES CONSIDERED**

None. At this point the basement needs to be addressed due to the fact that our heating and ventilation system is in the basement and the upstairs is a rentable public space.

**ADVANTAGES OF APPROVAL**

Reduced liability for the City, a healthier/safer environment for the staff, a healthier/safer environment for the public, reduced rodent population, increased storage which is very much needed by the Department, reduction of staff time for maintenance and upkeep.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Renovation fees as determined by the recently completed facility condition index. Annual operating and maintenance costs, which would include an exterminator.

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 39**

LEVEL OF SERVICE (Up to 20):	20	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

I.T.

GF198

PROJECT NAME

SQL CLUSTER UPGRADE

New

Replacement

Equipment

Project

FY14

FY15

FY16

FY17

FY18

Unscheduled

\$10,000

DESCRIPTION OF PROJECT

This project completes an upgrade to our existing database backbone, that was begun in FY13. This upgrade will support data network uptime (PM03) and the number of hours the data network is available (WV03).

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Critical databases are available when needed, without work-stoppage for departments and customers.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING:**

**45**

LEVEL OF SERVICE (Up to 20):

20

DEPARTMENT PRIORITY (Up to 10):

10

OPERATING BUDGET IMPACT (Up to 10):

5

COMMISSION WORKPLAN (Up to 10):

0

SERVICE AREA (Up to 10):

5

ADOPTED CLIMATE PLAN (Up to 5):

0

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS/FAC. MTC.

PROJECT NUMBER  
PW01

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$10,000				

DESCRIPTION OF PROJECT

The construction of the new Vehicle Maintenance Shop at the Lower Yards on Rouse Avenue in FY10/FY11 was Phase I in expanding and improving our ability to service equipment, store vehicles, and provide work space for Public Works, Parks, and Facility services. Questions remain about the long-term plan for construction, location, and expansion for: Streets, Sign & Signal, Forestry, Water/Sewer Operations, Solid Waste Collection & Recycling, Facilities, and Parks & Cemetery departments. This project would develop a master plan. In scheduling this project, we are recommending waiting until after the Vehicle Maintenance Division is relocated to its new shop and the interior improvements are made to the Shop at Rouse and Tamarack Street for the remaining divisions.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

From related divisions: General Fund 20% (\$10,000), Water Fund 20% (\$10,000), Wastewater Fund 20% (\$10,000), Street Maintenance Fund 20% (\$10,000), Solid Waste Fund 20% (\$10,000).

General Fund Project and Equipment Scoring

TOTAL RATING:

LEVEL OF SERVICE (Up to 20):

DEPARTMENT PRIORITY (Up to 10):

OPERATING BUDGET IMPACT (Up to 10):

COMMISSION WORKPLAN (Up to 10):

SERVICE AREA (Up to 10):

ADOPTED CLIMATE PLAN (Up to 5):

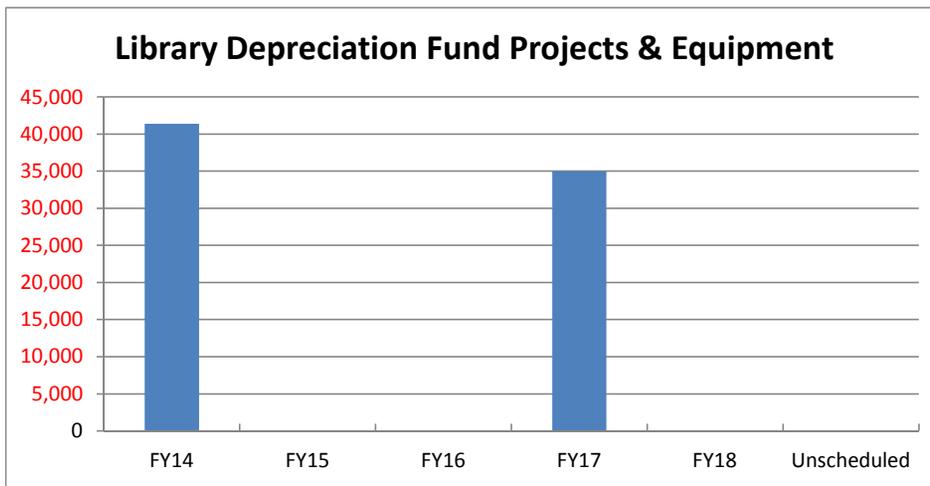
FREQUENCY OF USE (Up to 5):

**Library Depreciation Reserve Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 243,000	\$ 337,349	\$ 340,969	\$ 386,869	\$ 433,687	\$ 446,441	
Plus: Estimated Annual Unspent Appropriations	\$ 125,349	\$ 45,000	\$ 45,900	\$ 46,818	\$ 47,754	\$ 48,709	\$ -
Plus: Hail Damage Insurance Proceeds	\$ 500,000						
Plus: Contribution	\$ 500,000						
Less: Scheduled CIP Project Costs	\$ (1,031,000)	\$ (41,380)	\$ -	\$ -	\$ (35,000)	\$ -	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 337,349</b>	<b>\$ 340,969</b>	<b>\$ 386,869</b>	<b>\$ 433,687</b>	<b>\$ 446,441</b>	<b>\$ 495,151</b>	

*Assumptions Made for Revenue Estimates:*

	Projected				
	FY14	FY15	FY16	FY17	FY18
<i>Estimated Annual Library Budget</i>	\$ 1,500,000	\$ 1,530,000	\$ 1,560,600	\$ 1,591,812	\$ 1,623,648
<i>Estimated Amount of Budget left Unused</i>	3%	3%	3%	3%	3%
<i>Estimated Annual Unspent Appropriations</i>	\$ 45,000	\$ 45,900	\$ 46,818	\$ 47,754	\$ 48,709
<i>Current Budget Amount Dedicated to CIP %</i>	100.0%	100.0%	100.0%	100.0%	100.0%
<i>Plus: Increase Dedicated to Capital Improvements %</i>	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total % Dedicated to CIP</i>	100.0%	100.0%	100.0%	100.0%	100.0%
<i>Total Estimated Revenues Dedicated to CIP</i>	\$ 45,000	\$ 45,900	\$ 46,818	\$ 47,754	\$ 48,709



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Library Depreciation Reserve									
	LIB05	FAC. MTC.	LIBRARY - -WIDEN SIDEWALK ADJOINING EAST SIDE PARKING LOT	\$12,380					
	LIB03	LIBRARY	SELF CHECK STATION	\$14,000					
	LIB06	LIBRARY	PUBLIC PC/LAPTOP REPLACEMENTS				\$35,000		
	LIB07	LIBRARY	PRINT MANAGEMENT SOFTWARE SYSTEM	\$15,000					

<i>Summary for Library Depreciation Reserve (4 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$41,380			\$35,000		

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

**PROJECT NUMBER**  
**LIB03**

PROJECT NAME  
SELF CHECK STATION

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$14,000					

DESCRIPTION OF PROJECT

Purchase of a Self Check station to allow patrons self service in checking out and renewing items as well as paying for late fees; this will be placed on the Library's second floor.

#### ALTERNATIVES CONSIDERED

Continue to use staff to manually check materials in and out, renew items and collect fines, as well as use the three self checks which currently have patrons waiting in line to use.

#### ADVANTAGES OF APPROVAL

The self check machine assigns the tasks of checking out, renewing and paying fines to the patron which in turn allows the staff to be efficient by providing timely service to a culture that demands and expects quicker turnaround time. Paraprofessional staff will have more time to check materials in, shelve materials, inventory, maintain and care for the collection, and assist patrons in locating materials. Professional staff will be able to focus on assistance with technical and detailed information.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs:

Estimated Maintenance Cost \$2,200

#### FUNDING SOURCES

Library Depreciation Reserve

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**LIB05**

PROJECT NAME  
LIBRARY - -WIDEN SIDEWALK ADJOINING EAST SIDE PARKING LOT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$12,380					

DESCRIPTION OF PROJECT

The parking lot access sidewalk along the east edge of the library parking lot is five feet wide. If someone backs into a parking space, or has a vehicle with a long overhang in the front, a good portion of the sidewalk is blocked. A new 5 foot section of sidewalk will be added to better accommodate pedestrian traffic. The price includes relocation of the irrigation system that runs along the edge of the sidewalk. There is a good deal of stroller traffic along this area of the sidewalk. The vehicles cut the width so that there is not enough room for people to safely pass each other on the sidewalk.

#### ALTERNATIVES CONSIDERED

If curb stops were placed in the lot to keep the cars back from the sidewalk it would interfere with vehicle traffic and make maintenance of the lot more difficult for sweeping or snow clearance.

#### ADVANTAGES OF APPROVAL

This section of sidewalk is a close connection to the library and the trail system. People with bicycles or people or people with stroller do not have enough width to move along the walk if a vehicle is hanging over the curb and onto the sidewalk. The walk is sometimes blocked so there is less than 3 feet of usable sidewalk.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

The wider sidewalk would mean that there would be additional area to plow. If the extra walk was added there would at least be enough room to plow the walk and provide a path of travel for library users.

#### FUNDING SOURCES

Library Depreciation Reserve

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

<b>PROJECT NUMBER</b>
<b>LIB06</b>

PROJECT NAME						
PUBLIC PC/LAPTOP REPLACEMENTS						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$35,000		

DESCRIPTION OF PROJECT
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The Library provides 28 public computers in a lab setting as well as 5 checkout laptops. These devices will have been in place with daily use for 5 years with multiple re-imaging and upgrades.

ALTERNATIVES CONSIDERED

Alternatively, the computers and laptops will be pushed for an additional year.

ADVANTAGES OF APPROVAL

Keeping a public service up to date with technology.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Library Depreciation Fund

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

**PROJECT NUMBER**  
**LIB07**

PROJECT NAME  
PRINT MANAGEMENT SOFTWARE SYSTEM

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$15,000					

DESCRIPTION OF PROJECT

A print management software system would allow for the improved management of library patron printed materials. Currently, when a patron needs to print from a computer, there is little privacy and it is difficult for staff to manage at times.

ALTERNATIVES CONSIDERED

Status Quo use of individual printers managed by staff.

ADVANTAGES OF APPROVAL

Improved efficiency for staff and improved privacy for patrons.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Software Licensing Costs

FUNDING SOURCES

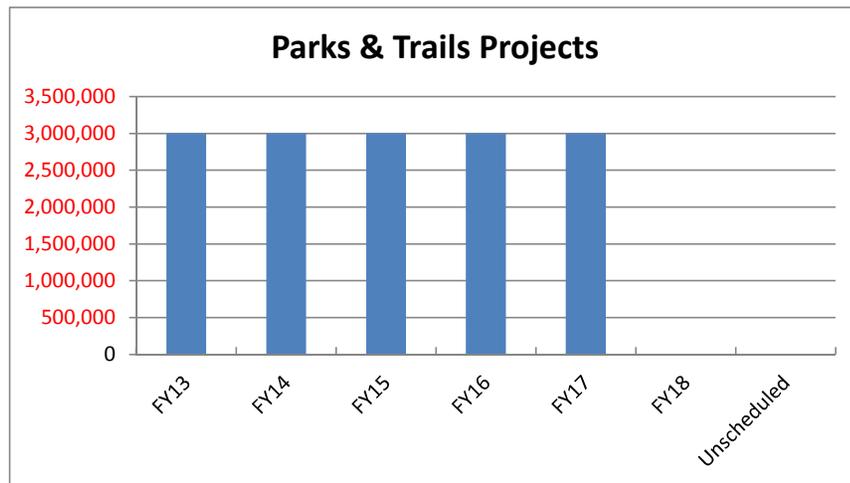
100% Library Depreciation Reserve

**Parks & Trails Bond Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Plus: Revenues from Bond Sales	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -	\$ -
Less: Scheduled CIP Costs	\$ (3,000,000)	\$ (3,000,000)	\$ (3,000,000)	\$ (3,000,000)	\$ (3,000,000)	\$ -	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ -</b>	<b>\$ -</b>					

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
<i>Bond Issuance</i>	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -
<i>Total Estimated Revenues</i>	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -
<i>Current Revenues Dedicated to CIP %</i>	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
<i>Plus: Increase (Decrease) Dedicated to CIP</i>	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total % Dedicated to CIP</i>	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
<i>Total Estimated Revenues Dedicated to CIP</i>	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -



**Note: City of Bozeman Voters approved a \$15 Million Bond for the purchase of open space, trails, and parks. At this point, it is not known exactly when the bonds will be issued, and what projects will be funded. It is the intention of the City to establish a program for evaluation and funding decisions in early 2013, and to identify and purchase \$15 million of Park & Trail assets within the time-frames of this Capital Improvement Plan.**

CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Parks & Trails Bond									
	PT01	PARKS	PARKS AND TRAILS BOND PROJECTS	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000		

<i>Summary for Parks &amp; Trails Bond (1 item)</i>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000		

CIP Project Fund  
Parks & Trails Bond

DEPARTMENT  
PARKS

PROJECT NUMBER  
PT01

PROJECT NAME  
PARKS AND TRAILS BOND PROJECTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000		

DESCRIPTION OF PROJECT

This project plans for the purchase of parks, trails, and open space assets according to the 2012 voter approved bond. The voters approved the issuance of up to \$15 Million "for the purpose of paying the costs of designing, constructing or equipping on open-space lands trails, parks and natural areas or multi-use recreational fields and facilities, or employing such lands in the preservation or enhancement of water quality, and acquiring rights to or interests in or improving open-space lands in or near the City (such as lands for trails in and around the Bridger Mountain foothills), to include necessary or related infrastructure for the use, enjoyment, or functioning of such lands or facilities and the operation, maintenance, repair, management, or planning of such lands or facilities; and paying costs associated with the sale and issuance of such bonds"

ALTERNATIVES CONSIDERED

Do not move forward with the voter-authorized sale of bonds. Or, move forward with less than \$15 Million in total bond issued.

ADVANTAGES OF APPROVAL

More Park, Trail and Open Space areas can be purchased for citizen use. Funds can be made available to match with other grants or funding sources for larger property purchases, etc.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance costs are not funded by this bond issue. Depending on exactly what is purchased, operating costs could vary widely. This will need to be analysed with each project purchased.

FUNDING SOURCES

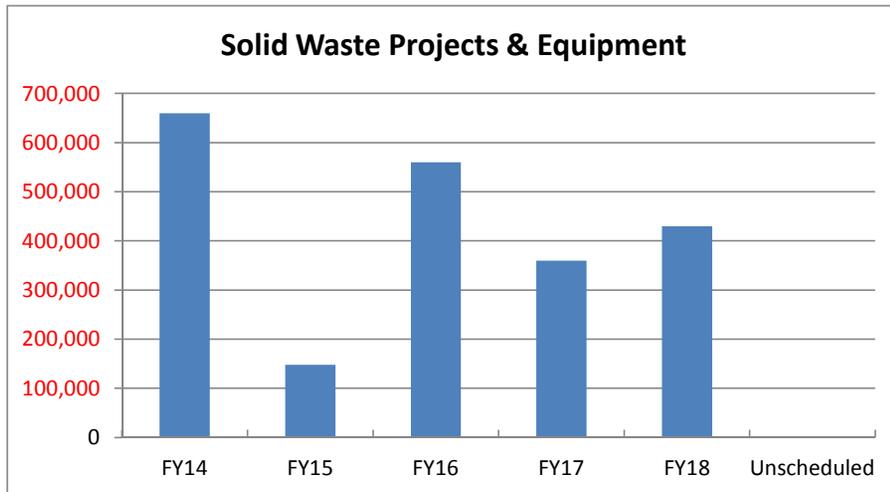
100% General Obligation Bonds, issued by the City and paid-off with an annual tax levy, for a term up to 20 years. We expect to issue our first series of bonds in FY13, with the remaining bonds issued in FY14-18. For simplicity sake, we have scheduled \$3M issued in each year. However, it may be more advantageous to the taxpayers to issue the bonds in different sums at different times.

## Solid Waste Collection & Recycling Capital Improvement Plan

Financial Summary	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Projected Beginning Reserve Balance Dedicated to CIP	\$ 487,681	\$ 672,779	\$ 318,912	\$ 518,695	\$ 336,022	\$ 357,122
Plus: Revenues Dedicated to CIP	\$ 255,098	\$ 306,117	\$ 347,826	\$ 377,327	\$ 381,100	\$ 384,911
Less: Scheduled CIP Project Costs	\$ (70,000)	\$ (659,984)	\$ (148,043)	\$ (560,000)	\$ (360,000)	\$ (430,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 672,779</b>	<b>\$ 318,912</b>	<b>\$ 518,695</b>	<b>\$ 336,022</b>	<b>\$ 357,122</b>	<b>\$ 312,033</b>

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Revenues	\$ 2,550,979	\$ 2,550,979	\$ 2,550,979	\$ 2,576,489	\$ 2,602,254	\$ 2,628,276
Estimated Annual Increase in Revenues	-	0%	1%	1%	1%	1%
Total Estimated Revenues	\$ 2,550,979	\$ 2,550,979	\$ 2,576,489	\$ 2,602,254	\$ 2,628,276	\$ 2,654,559
Current Revenues Dedicated to CIP %	10.0%	10.0%	12.0%	13.5%	14.5%	14.5%
Plus: Increase Dedicated to CIP	0.0%	2.0%	1.5%	1.0%	0.0%	0.0%
Total % Dedicated to CIP	10.0%	12.0%	13.5%	14.5%	14.5%	14.5%
Total Estimated Revenues Dedicated to CIP	\$ 255,098	\$ 306,117	\$ 347,826	\$ 377,327	\$ 381,100	\$ 384,911



**Note: 2012 Rate Study identifies \$367,000 in total annual depreciation expense.**

CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Solid Waste Collection									
	PW01	COLLECTION	SHOPS FACILITY EXPANSION PLAN		\$10,000				
	SW26	COLLECTION	SIDE LOAD PACKER - REPLACEMENT	\$134,984					
	SW27	COLLECTION	FRONT LOAD TRUCK - REPLACEMENT TRUCK	\$250,000					
	SW28	COLLECTION	SIDE LOAD TRUCK - REPLACEMENT TRUCK	\$275,000					
	SW30	COLLECTION	SIDE LOAD PACKER - REPLACEMENT		\$138,043				
	SW31	COLLECTION	SIDE LOAD REPLACEMENT TRUCK			\$290,000			
	SW32	COLLECTION	FRONTLOAD REPLACEMENT TRUCK			\$270,000			
	SW33	COLLECTION	SIDE LOAD PACKER - REPLACEMENT`				\$140,000		
	SW36	Collection	SIDE LOAD REPLACEMENT TRUCK					\$290,000	
	SW37	Collection	SIDE LOAD PACKER REPLACEMENT					\$140,000	
	SW35	CURBSIDE	CURBSIDE RECYCLING TRUCK - REPLACEMENT				\$220,000		

<i>Summary for Solid Waste Collection (11 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$659,984	\$148,043	\$560,000	\$360,000	\$430,000	

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

PROJECT NUMBER  
PW01

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$10,000				

DESCRIPTION OF PROJECT

The construction of the new Vehicle Maintenance Shop at the Lower Yards on Rouse Avenue in FY10/FY11 was Phase I in expanding and improving our ability to service equipment, store vehicles, and provide work space for Public Works, Parks, and Facility services. Questions remain about the long-term plan for construction, location, and expansion for: Streets, Sign & Signal, Forestry, Water/Sewer Operations, Solid Waste Collection & Recycling, Facilities, and Parks & Cemetery departments. This project would develop a master plan. In scheduling this project, we are recommending waiting until after the Vehicle Maintenance Division is relocated to its new shop and the interior improvements are made to the Shop at Rouse and Tamarack Street for the remaining divisions.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

From related divisions: General Fund 20% (\$10,000), Water Fund 20% (\$10,000), Wastewater Fund 20% (\$10,000), Street Maintenance Fund 20% (\$10,000), Solid Waste Fund 20% (\$10,000).

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

PROJECT NUMBER  
SW26

PROJECT NAME  
SIDE LOAD PACKER - REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$134,984					

DESCRIPTION OF PROJECT

The division is averaging 2,000 hours per year on the side load trucks. The chassis should be good for 12,000 hours with proper maintenance. Therefore replacing the packer bodies every four years will save about \$140,000 and maximize the value of the chassis. The packers are what generally wear out first. The grabber arm functions around 400 repetitions per day times 4 days per week is 1,600 reps per week times 4.33 equals 7,000 reps per month or 93,528 per year. With a life expectancy of four years that is 336,000 reps. Old packer will be traded in or saved for parts.

ALTERNATIVES CONSIDERED

Buy new trucks with new chassis and body. Continue to operate with increasing repair costs, down time lowering resale value. Lease new truck and packer for \$75,000 annually if one is available.

ADVANTAGES OF APPROVAL

Saves \$140,000 every 4 years per side load truck. With four side load trucks and 2 back up trucks, this adds up quickly.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: \$10,000

FUNDING SOURCES

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**SW27**

PROJECT NAME  
FRONT LOAD TRUCK - REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$250,000					

**DESCRIPTION OF PROJECT**

This truck is a replacement on the CIP for the collection of residential and commercial refuse. The new truck will ensure continued efficient, cost-effective refuse collection that will allow the Division to meet the demands of a growing city while maintaining the standards the Bozeman residents expect. (replacing Asset #3319, 2005 Autocar)

**ALTERNATIVES CONSIDERED**

To use existing truck that will have more than 10,000 hours of hard use. Repair costs will continue to increase and the resale value will continue to decrease. The truck will also take an inordinate amount of shop time to maintain.

**ADVANTAGES OF APPROVAL**

Maximize resale value, Minimize repairs, parts, (if available), and down time, Improve safety and collection efficiency, Keeps the Division up with growth rates.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: \$12,000

**FUNDING SOURCES**

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

<b>PROJECT NUMBER</b>
<b>SW28</b>

<b>PROJECT NAME</b>						
SIDE LOAD TRUCK - REPLACEMENT TRUCK						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$275,000					

<b>DESCRIPTION OF PROJECT</b>
Replacement of a side load chassis. Asset #3314. The current truck will have 12,000 - 14,000 hours on the chassis and 5,000 hours on the packer body.

**ALTERNATIVES CONSIDERED**

Continue to use asset beyond its useful service life, resulting in significantly increased maintenance costs and down time.

**ADVANTAGES OF APPROVAL**

Providing excellence in public service to 7,050 residential customers

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: \$30,000

**FUNDING SOURCES**

100% Solid Waste Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

PROJECT NUMBER  
SW30

PROJECT NAME  
SIDE LOAD PACKER - REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$138,043				

DESCRIPTION OF PROJECT

This item is to replace the garbage packer on Asset #3452. The division is averaging 2,000 hours per year on the side load trucks. The chassis should be good for 12,000-14,000 hours with proper maintenance. Therefore replacing the packer bodies every four years will save about \$140,000 and maximize the value of the chassis. The packers are what generally wear out first. The grabber arm functions around 400 repetitions per day times 4 days per week is 1,600 reps per week times 4.33 equals 7,000 reps per month or 93,528 per year. With a life expectancy of four years that is 336,000 reps.

ALTERNATIVES CONSIDERED

Buy new trucks with new chassis and body. Continue to operate with increasing repair costs, down time lowering resale value. Lease new truck and packer for \$75,000 annually if one is available.

ADVANTAGES OF APPROVAL

Saves \$140,000 every 4 years per side load truck. With four side load trucks and 2 backup trucks, this adds up quickly.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: \$10,000

FUNDING SOURCES

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**SW31**

PROJECT NAME  
SIDE LOAD REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$290,000			

**DESCRIPTION OF PROJECT**

Replacement of a current front-line residential collection truck, Asset #3367. This truck will will have over 12,000 hours at time of replacement.

**ALTERNATIVES CONSIDERED**

Continue to operate the existing truck with increasing operating and maintenance costs.  
Lease a new, (or used), truck.

**ADVANTAGES OF APPROVAL**

Allow the division to continue to provide excellent service to over 7000 customers. Increased fuel economy; Reduced exhaust emissions; Less down time; Increased productivity

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Operating and maintenance costs should be reduced by replacing an aging unit with a new more fuel efficient, cleaner running truck

**FUNDING SOURCES**

100% Solid Waste Fund

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**SW32**

PROJECT NAME  
FRONTLOAD REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$270,000			

**DESCRIPTION OF PROJECT**

This truck is a replacement for Asset #3421; the collection of residential and commercial refuse. The new truck will ensure continued efficient, cost-effective refuse collection that will allow the Division to meet the demands of a growing city while maintaining the standards the Bozeman residents expect.

**ALTERNATIVES CONSIDERED**

To use existing truck that will have more than 10,000 hours of hard use. Repair costs will continue to increase and the resale value will continue to decrease. The truck will also take an inordinate amount of shop time to maintain.

**ADVANTAGES OF APPROVAL**

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Maintenance costs: \$12,000/year

**FUNDING SOURCES**

100% Solid Waste Fund

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**SW33**

PROJECT NAME  
SIDE LOAD PACKER - REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$140,000		

**DESCRIPTION OF PROJECT**

This item is the replacement of equipment on one of our side-loading garbage trucks. It will replace the 2008 Curbtenter Packer on Asset #3455 - 2008 Craine Carrier Chassis. The chassis should be good for 12,000-14,000 hours with proper maintenance. Therefore replacing the packer bodies every four years will save about \$140,000 and maximize the value of the chassis. The packers are what generally wear out first. The grabber arm functions around 400 repetitions per day times 4 days per week is 1,600 reps per week times 4.33 equals 7,000 reps per month or 93,528 per year. With a life expectancy of four years that is 336,000 reps.

**ALTERNATIVES CONSIDERED**

Buy new trucks with new chassis and body. Continue to operate with increasing repair costs, down time lowering resale value. Lease new truck and packer for \$75,000 annually if one is available.

**ADVANTAGES OF APPROVAL**

Saves \$140,000 every 4 years per side load truck. With four side load trucks and 2 backup trucks, this adds up quickly.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: \$10,000

**FUNDING SOURCES**

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
CURBSIDE

<b>PROJECT NUMBER</b>
<b>SW35</b>

<b>PROJECT NAME</b>						
Curbside Recycling Truck - Replacement						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$220,000		

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

This would be a new chassis and new sideload recycling body, to replace the existing Curbside Recycling Truck, which is expected to be at the end of its useful life in 2017.

**ALTERNATIVES CONSIDERED**

Lease

**ADVANTAGES OF APPROVAL**

To maintain a level of service to the curbside recycling customers

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Maintenance costs are \$15,000/year & Operating costs are \$15,000/year

**FUNDING SOURCES**

Solid Waste Enterprise Fund

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
Collection

<b>PROJECT NUMBER</b>
<b>SW36</b>

<b>PROJECT NAME</b>						
Side Load Replacement Truck						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$290,000	

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Side Load Replacement Truck
-----------------------------

**ALTERNATIVES CONSIDERED**

To keep existing truck in service that will have over 10,000 hours of hard use. Repair costs & down time will continue to increase, making truck unreliable for garbage collection.

**ADVANTAGES OF APPROVAL**

Minimize repairs & down time. To improve safety and provide reliable customer service.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual operating and maintenance costs = \$27,000

**FUNDING SOURCES**

Solid Waste Enterprise Fund

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
Collection

**PROJECT NUMBER**  
**SW37**

PROJECT NAME  
Side Load Packer Replacement

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$140,000	

**DESCRIPTION OF PROJECT**

This replacement packer will be placed on an existing chassis, thus extending the life of the overall unit. The old packer will be traded in. New packers advancement in materials used have led to extend the life of the packer. Given the high amount of mechanical parts in motion, new packers wear out within 5 years (8,000 hours) of use.

**ALTERNATIVES CONSIDERED**

To continue to operate existing packer with increased repair costs and down time.

**ADVANTAGES OF APPROVAL**

To minimize repair costs and having reliable equipment to provide high customer service expectations.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual operating and maintenance costs = \$10,000

**FUNDING SOURCES**

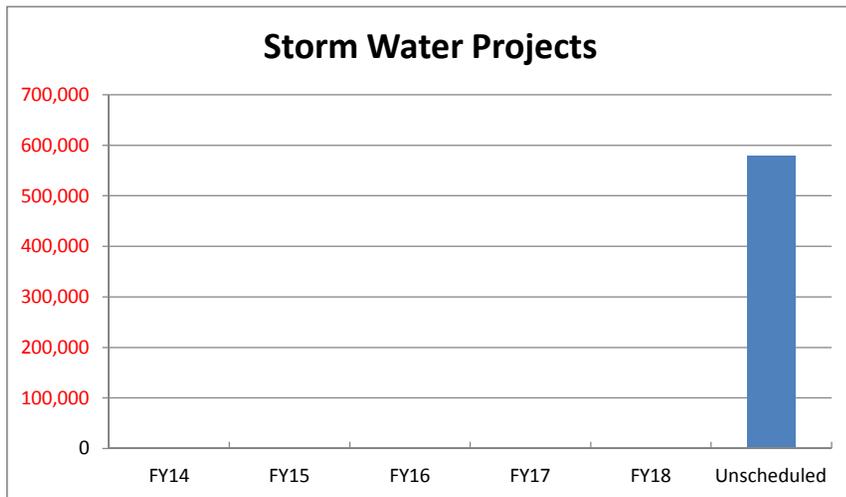
Solid Waste Enterprise Fund

**Storm Water Utility  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ (49,000)	\$ 32,810	\$ 118,711	\$ 208,906	\$ 317,792	
Plus: Storm Water Utility Fees Dedicated to Capital	\$ 81,000	\$ 81,810	\$ 85,901	\$ 90,196	\$ 108,886	\$ 115,419	
Less: Scheduled CIP Project Costs	\$ (130,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (579,300)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ (49,000)</b>	<b>\$ 32,810</b>	<b>\$ 118,711</b>	<b>\$ 208,906</b>	<b>\$ 317,792</b>	<b>\$ 433,211</b>	<b>\$ (579,300)</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Storm Water Utility Revenue	\$ 225,000	\$ 225,000	\$ 227,250	\$ 238,613	\$ 250,543	\$ 265,576
Estimated Annual Increase - Attributed to Growth		1%	1%	1%	2%	2%
Estimated Annual Increase - Rate Increase		4%	4%	4%	4%	4%
<b>Total Estimated Revenues</b>	<b>\$ 225,000</b>	<b>\$ 227,250</b>	<b>\$ 238,613</b>	<b>\$ 250,543</b>	<b>\$ 265,576</b>	<b>\$ 281,510</b>
Current Revenues Dedicated to CIP %	36.0%	36.0%	36.0%	36.0%	36.0%	41.0%
Plus: Increase Dedicated to Capital	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%
<b>Total % Dedicated to CIP</b>	<b>36.0%</b>	<b>36.0%</b>	<b>36.0%</b>	<b>36.0%</b>	<b>41.0%</b>	<b>41.0%</b>
<b>Total Estimated Revenues Dedicated to CIP</b>	<b>\$ 81,000</b>	<b>\$ 81,810</b>	<b>\$ 85,901</b>	<b>\$ 90,196</b>	<b>\$ 108,886</b>	<b>\$ 115,419</b>



*Note: Many Capital Items are listed as "unscheduled" until our Utility method for charging customers is refined to be more equitable for Storm Water customers, anticipated in approx FY15.*

CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Storm Water Fund									
	STRM01	Storm Water	VALLEY UNIT PARK						\$80,000
	STRM02	Storm Water	ROCKY CREEK STORM WATER IMPROVEMENTS						\$20,000
	STRM04	Storm Water	GENERAL TREATMENT SYSTEMS, REHABILITATION, AND REPLACEMENT						\$200,000
	STRM08	Storm Water	ROUSE AVENUE STORM DRAIN UPSIZING						\$186,300
	STRM09	Storm Water	ROUSE AVENUE STORM WATER TREATMENT						\$93,000

<i>Summary for Storm Water Fund (5 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>									\$579,300

CIP Project Fund  
Storm Water Fund

DEPARTMENT  
Storm Water

<b>PROJECT NUMBER</b>
<b>STRM01</b>

<b>PROJECT NAME</b>						
Valley Unit Park						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$80,000

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Improvements to the detention pond at Valley Unit Park, as described on page 6-5 in the Storm Water Facility Plan. This item is listed as unscheduled until our Utility method for charging customers is refined to be more equitable for Storm Water customers.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Will reduce flooding along Meagher Avenue and Durston Road

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Storm Water Utility, possible Grants.

CIP Project Fund  
Storm Water Fund

DEPARTMENT  
Storm Water

**PROJECT NUMBER**  
**STRM02**

PROJECT NAME  
Rocky Creek Storm Water Improvements

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$20,000

DESCRIPTION OF PROJECT

Improvements to increase and restore the native vegetation cover and diversity, thereby reducing sedimentation and improving water quality in Rocky Creek, as described on page 6-7 of the Storm Water Facility Plan. This item is listed as unscheduled until our Utility method for charging customers is refined to be more equitable for Storm Water customers.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Reduced sedimentation and improved water quality.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Storm Water Fund, possible grants.

CIP Project Fund  
Storm Water Fund

DEPARTMENT  
Storm Water

**PROJECT NUMBER**  
**STRM04**

PROJECT NAME  
General Treatment Systems, Rehabilitation, and Replacement

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$200,000

**DESCRIPTION OF PROJECT**

General repairs and infrastructure maintenance were recommended in the Facility Plan at \$200,000 per year. After mapping and condition assessments are complete, the utility will begin a systematic program of infrastructure repair and replacement, including installation of Storm Water Treatment systems. In the future, specific projects and project areas will be defined. Until then, this item acts as a financial indicator of that work program. When specific projects are scheduled in the CIP, those amounts will reduce the \$200,000 scheduled in this item each year. One year's allocation of this item is listed as unscheduled until our Utility method for charging customers is refined to be more equitable for Storm Water customers.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Storm Water Fund, grants when available.

CIP Project Fund  
Storm Water Fund

DEPARTMENT  
Storm Water

<b>PROJECT NUMBER</b>
<b>STRM08</b>

<b>PROJECT NAME</b>						
Rouse Avenue Storm Drain Upsizing						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$186,300

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

This project is in coordination with the MDOT improvements to Rouse Avenue. It entails the upsizing of Stormwater Infrastructure on Rouse. We will need to be prepared to fund this project in according the construcion timelines established by MDOT, which are fairly fluid at this point.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Storm Water Utility, TSEP Grant, other grants.

CIP Project Fund  
Storm Water Fund

DEPARTMENT  
Storm Water

<b>PROJECT NUMBER</b>
<b>STRM09</b>

<b>PROJECT NAME</b>						
Rouse Avenue Storm Water Treatment						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$93,000

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

This project is in coordination with the MDOT improvements to Rouse Avenue. It will provide Storm Water treatment facilities for run-off on Rouse Avenue. We will need to be prepared to fund this project in accordance with the construction timelines established by MDOT, which are fairly fluid at this point.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

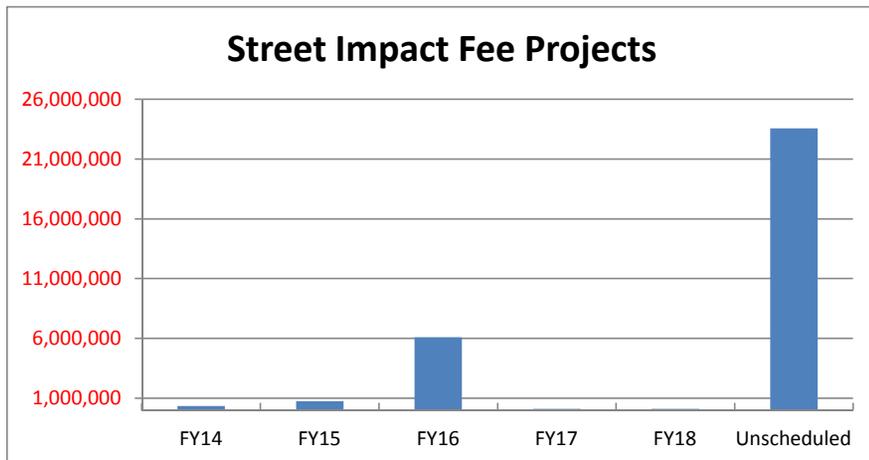
Storm Water Utility, TSEP Grant, other grants.

## Street Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 7,499,816	\$ 3,715,316	\$ 4,381,376	\$ 4,917,597	\$ 2,264,342	\$ 3,232,022	
Plus: Impact Fee Revenues Dedicated to CIP	\$ 1,006,000	\$ 1,016,060	\$ 1,026,221	\$ 1,046,745	\$ 1,067,680	\$ 1,089,034	\$ -
Plus: Urban Funds: SIF06, College (Main to 19th)	\$ 2,993,650						
Plus: Urban Funds: SIF09, Kagy (Willson to 19th)			\$ 260,000	\$ 2,400,000			
Less: Scheduled CIP Project Costs	\$ (7,784,150)	\$ (350,000)	\$ (750,000)	\$ (6,100,000)	\$ (100,000)	\$ (100,000)	\$ (23,575,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 3,715,316</b>	<b>\$ 4,381,376</b>	<b>\$ 4,917,597</b>	<b>\$ 2,264,342</b>	<b>\$ 3,232,022</b>	<b>\$ 4,221,055</b>	<b>\$ (23,575,000)</b>

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Street Impact Fee Revenues	\$ 1,006,000	\$ 1,006,000	\$ 1,016,060	\$ 1,026,221	\$ 1,046,745	\$ 1,067,680
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 1,006,000	\$ 1,016,060	\$ 1,026,221	\$ 1,046,745	\$ 1,067,680	\$ 1,089,034
Current Revenues Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to Street Capacity Expansion CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,006,000	\$ 1,016,060	\$ 1,026,221	\$ 1,046,745	\$ 1,067,680	\$ 1,089,034



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Impact Fees Streets									
	SIF01	STREET IF	RIGHT OF WAY ACQUISITION	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
	SIF02	STREET IF	BAXTER LANE, 19TH TO COTTONWOOD						\$3,350,000
	SIF05	STREET IF	COLLEGE STREET 8TH AVENUE TO 19TH AVENUE)						\$3,300,000
	SIF08	STREET IF	DURSTON ROAD, FOWLER AVE. TO FERGUSON AVE.						\$1,500,000
	SIF09	STREET IF	KAGY BOULEVARD, WILLSON AVENUE TO 19TH AVENUE		\$650,000	\$6,000,000			
	SIF20	STREET IF	INTERSECTION CONTROL 7TH AVE. & KAGY BLVD.						\$650,000
	SIF21	STREET IF	GRAF STREET CONNECTION						\$1,000,000
	SIF22	STREET IF	INTERSECTION CONTROL, COLLEGE STREET & 8TH AVENUE						\$750,000
	SIF23	STREET IF	HIGHLAND BOULEVARD, MAIN ST. TO KAGY BLVD.						\$7,600,000
	SIF24	STREET IF	INTERSECTION CONTROL, HIGHLAND BLVD. AND ELLIS ST.						\$500,000
	SIF25	STREET IF	INTERSECTION CONTROL, HIGHLAND BOULEVARD AND KAGY BOULEVARD						\$750,000
	SIF26	STREET IF	INTERSECTION CONTROL, CHURCH STREET AND KAGY BOULEVARD						\$750,000
	SIF27	STREET IF	INTERSECTION CONTROL, COTTONWOOD ROAD & DURSTON AVENUE						\$500,000
	SIF32	STREET IF	MANLEY ROAD & GRIFFIN DRIVE INTERSECTION IMPROVEMENTS						\$925,000
	SIF33	STREET IF	INTERSECTION CONTROL, N. 7TH AVENUE AND GRIFFIN DRIVE						\$500,000
	SIF34	STREET IF	FOWLER CONNECTION						\$1,500,000
	SIF35	Street Impact	OAK STREET 5TH LANE	\$250,000					

Summary for Impact Fees Streets (17 items)  
Totals by year:

<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
\$350,000	\$750,000	\$6,100,000	\$100,000	\$100,000	\$23,575,000

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF01

PROJECT NAME  
RIGHT OF WAY ACQUISITION

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$100,000	\$100,000	\$100,000	\$100,000.00	\$100,000	

DESCRIPTION OF PROJECT

Annual allocation available for right-of-way purchases as they become available. Purchasing additional right-of-way is critical to expanding the capacity of streets in the city. This is deemed to be 100% impact fee eligible – as additional right-of-way is not required if we are not expanding the capacity of the street.

**ALTERNATIVES CONSIDERED**

Condemn property for right-of-way; pay court costs as well as appraised value of property. Time consuming for city staff and a relatively expensive process.

**ADVANTAGES OF APPROVAL**

Provides dollars for the purchase of necessary right-of-way as it becomes available on the market. Avoids the expensive, antagonistic condemnation process where possible.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating & Maintenance Costs: Street Impact Fees can not be spent on operating and maintaining facilities. There is expected to be a very minimal, incremental cost to the Street Maintenance District from this expenditure.

**FUNDING SOURCES**

100% Street Impact Fees

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>25</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	10	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF02**

PROJECT NAME  
Baxter Lane, 19th to Cottonwood

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$3,350,000

**DESCRIPTION OF PROJECT**

Reconstruct Baxter Lane from 19th Avenue to Cottonwood to a Minor Arterial standard as shown in the Transportation Plan. Continued development in the northwest quadrant of the city will be sustained by having this important east-west arterial improved to a complete street standard.

**ALTERNATIVES CONSIDERED**

Full payment by SID, or developer constructed.

**ADVANTAGES OF APPROVAL**

Improved capacity and safety in this corridor;

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating & Maintenance Costs: Incremental increases in sweeping, plowing and general maintenance costs. Current cost estimate of \$8,725 per street mile maintained annually.

**FUNDING SOURCES**

60% - Street Impact Fees = \$2,000,000 40% - Special Improvement District (SID) or Other = \$1,350,000

<b>Impact Fee Funds Project and Equipment Scoring</b>			<b>TOTAL SCORE:</b>	<b>25</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		10	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		10	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF05**

PROJECT NAME  
College Street 8th Avenue to 19th Avenue)

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$3,300,000

**DESCRIPTION OF PROJECT**

Reconstruct West College Street from 8th Avenue to 19th Avenue to a minor arterial standard as shown in the Transportation Plan. This section of West College has already exceeded the volume of traffic it was projected to carry in 2020 according to the Transportation Plan. Improvements to South 19th and increased development in the South 19th corridor will only further increase traffic demand on this facility. Additionally this facility lacks pedestrian and bicycle facilities.

**ALTERNATIVES CONSIDERED**

Use of Urban funds for full financing, CTEP grants if available.

**ADVANTAGES OF APPROVAL**

Improved safety and capacity, both for motorized vehicles as well as bicycles and pedestrians. The use of street impact fee funds enables the community to leverage the available State Urban transportation funds to complete other projects and address more of the city’s pressing transportation needs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Improved safety and capacity, both for motorized vehicles as well as bicycles and pedestrians. The use of street impact fee funds enables the community to leverage the available State Urban transportation funds to complete other projects and address more of the city’s pressing transportation needs.

**FUNDING SOURCES**

60% - Street Impact Fees = \$2,000,000, 40% Urban, CTEP or other Funds - \$1,300,000

<b>Impact Fee Funds Project and Equipment Scoring</b>			<b>TOTAL SCORE:</b>	<b>7</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		0	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		2	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF08**

**PROJECT NAME**

Durston Road, Fowler Ave. to Ferguson Ave.

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$1,500,000

**DESCRIPTION OF PROJECT**

Over recent years, Durston Road has been significantly improved, except for this small portion of the road. This ~ 1/4 mile length of road needs to be improved with completed sidewalk, bike lanes, and additional driving/turning lanes. Incremental improvement of Durston Road with development projects may be possible, thus preventing a severe drop in service level similar to that experienced on West Babcock Street.

**ALTERNATIVES CONSIDERED**

SID for full financing, or incremental construction by developers.

**ADVANTAGES OF APPROVAL**

Improved safety and capacity, both for motorized vehicles as well as bicycles and pedestrians. The use of street impact fee funds enables the community to leverage the available State Urban transportation funds to complete other projects and address more of the city's pressing transportation needs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating & Maintenance Costs: Incremental increases in sweeping, plowing and general maintenance costs. Current cost estimate of \$8,725 per street mile maintained annually.

**FUNDING SOURCES**

60% - Street Impact Fees; 40% SID or other funding.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE:**

**30**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF09**

**PROJECT NAME**  
Kagy Boulevard, Willson Avenue to 19th Avenue

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$650,000	\$6,000,000			

**DESCRIPTION OF PROJECT**

This project consists of widening Kagy Boulevard from the intersection of S. 19th Avenue to Willson Avenue to a three lane urban arterial standard. This includes one travel lane in each direction, bike lanes on each side, curb and gutter throughout, boulevard, sidewalks and a raised median. Kagy serves as an important element of Bozeman's perimeter street system connecting Highland Blvd., Willson Ave. and S.19th. It also serves as the primary access to Montana State University and the University's major athletic facilities.

**ALTERNATIVES CONSIDERED**

SID for full financing, Urban funds or incremental construction by developers.

**ADVANTAGES OF APPROVAL**

Kagy is a State Urban Route and is eligible for expenditure of State urban funds designated annually for the City of Bozeman; however, the availability of urban funds cannot match the pace of the City's transportation improvement needs. The need for this project comes from increased traffic due to growth in the Bozeman area and the project is eligible for Impact Fee Funds. Use of Street Impact Funds enables the community to leverage the available State Urban transportation funds to complete projects and address more of its pressing transportation needs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating & Maintenance Costs: Incremental increases in sweeping, plowing and general maintenance costs. Current cost estimate of \$8,725 per street mile maintained annually.

**FUNDING SOURCES**

Total Project: \$6,650,000. 60% - Street Impact Fees = \$3,990,000; 40% - Urban Funds = \$2,660,000

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>32</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	7	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER
SIF20

PROJECT NAME
Intersection Control 7th Ave. & Kagy Blvd.

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$650,000

DESCRIPTION OF PROJECT
Control of the intersection of 7th Avenue and Kagy Boulevard, a collector and an arterial. Includes the installation of a traffic signal or roundabout. 7th Avenue is a two lane collector north of this intersection and a two lane local street south of the intersection. Kagy Boulevard is a two lane arterial. This intersection currently has stop control on 7th Avenue. Recent development and increased traffic indicate that a signal or roundabout will soon be not only warranted but justified. This intersection is a major access point for the MSU campus.

**ALTERNATIVES CONSIDERED**

Do nothing or consider other alternatives as suggested by the Montana Department of Transportation. Attempt to create an SID or identify and apply for other potential sources of funding (CMAQ...)

**ADVANTAGES OF APPROVAL**

Improved traffic flow and safety at this intersection.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

100% Street Impact Fees. This Funding Source should reflect the adopted Impact Fee Study, which is currently under review.

Impact Fee Funds Project and Equipment Scoring		TOTAL SCORE:	30
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF21

PROJECT NAME

Graf Street Connection

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$1,000,000

DESCRIPTION OF PROJECT

This project consists of extending Graf Street approximately ¼ mile in order to connect the street with South 19th Avenue to allow through traffic to flow east and west to and from 19th Avenue. This is an important connection for public safety purposes – allowing fire and emergency services to meet their response time requirements in areas where they currently cannot.

ALTERNATIVES CONSIDERED

Do nothing and wait for development to connect the street.

ADVANTAGES OF APPROVAL

Improved traffic flow and better emergency response to the local area.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in sweeping, plowing and general maintenance costs. Current cost estimate of \$8,725 per street mile maintained annually.

FUNDING SOURCES

100% Street Impact Fees.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE:**

**30**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	0
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

<b>PROJECT NUMBER</b>
<b>SIF22</b>

<b>PROJECT NAME</b>						
Intersection Control, College Street & 8th Avenue						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$750,000

<b>DESCRIPTION OF PROJECT</b>
Install improved traffic control, roundabout or signal, at the intersection of West College Street and 8th Avenue, a minor arterial and a collector. This intersection has seen steadily increasing demand with the growth of MSU. The Draft 2007 Transportation Plan Update indicates that LOS issues are beginning to appear at this intersection. If a signal is chosen as the improvement, there may be some emergency maintenance/repair events should it fail per an existing agreement with MDT, but in general this would be an MDT maintained signal. This intersection improvement project will be identified as TSM 18 in the 2007 Greater Bozeman Area Transportation Plan Update.

**ALTERNATIVES CONSIDERED**

Do nothing or consider other alternatives as suggested by the Montana Department of Transportation. Create an SID or identify and apply for other potential sources of funding (CMAQ...)

**ADVANTAGES OF APPROVAL**

Improved traffic flow and safety at this intersection

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

100% Street Impact Fees. This Funding Source should reflect the adopted Impact Fee Study, which is currently under review.

<b>Impact Fee Funds Project and Equipment Scoring</b>			<b>TOTAL SCORE:</b>	<b>10</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		0	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		5	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF23**

PROJECT NAME  
Highland Boulevard, Main St. to Kagy Blvd.

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$7,600,000

**DESCRIPTION OF PROJECT**

This project consists of widening Highland Boulevard from the intersection with Main Street to the intersection with Ellis Street to a five-lane urban arterial standard, and from the intersection with Ellis Street south to the intersection with Kagy Boulevard to a three-lane urban arterial standard. This roadway is currently a minor arterial roadway with one travel lane in each direction. This project serves as a long-term need that will be necessary to accommodate future development patterns in the region and serve north-south traffic flow. It is expected that a minimum of two travel lanes in each direction from Main Street to Ellis Street, one travel lane in each direction from Ellis Street to Kagy Boulevard, bike lanes on each side, curb and gutter, boulevard, sidewalk, and a raised median will be required.

**ALTERNATIVES CONSIDERED**

Use of Urban Funds, developer contributions and/or creation of an SID for full financing.

**ADVANTAGES OF APPROVAL**

Increased capacity and safety in this corridor, both for motorized vehicles as well as bicycles and pedestrians. The use of street impact fees enables the community to leverage the available State Urban Funds to complete other needed projects.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Incremental increases in sweeping, plowing and general maintenance costs. Current cost estimate of \$8,725 per street mile maintained annually.

**FUNDING SOURCES**

Estimated: 50% Street Impact fees (\$3,600,000.00), and 50% Urban Funds, Special Improvement District (SID) or Other, \$3,600,000.00.

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>30</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF24

PROJECT NAME

Intersection Control, Highland Blvd. and Ellis St.

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$500,000

DESCRIPTION OF PROJECT

Identified as TSM -20 in the 2007 Transportation Plan Update. Includes installation of a traffic signal, roundabout or other adequate traffic control device when warrants are met. Highland Boulevard is currently a two-lane minor arterial roadway and Ellis Street is a two-lane local street. This intersection currently has stop control on Ellis Street.

ALTERNATIVES CONSIDERED

Do nothing or consider other alternatives as suggested by MDT. Create an SID or identify other and apply for other potential sources of funding (CMAQ...)

ADVANTAGES OF APPROVAL

Increased capacity and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: None

FUNDING SOURCES

100% Street Impact Fees. This Funding Source should reflect the adopted Impact Fee Study, which is currently under review.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF25

PROJECT NAME

Intersection Control, Highland Boulevard and Kagy Boulevard

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$750,000

DESCRIPTION OF PROJECT

Identified as TSM -9 in the 2007 Transportation Plan Update. Includes installation of a traffic signal, roundabout or other adequate traffic control device when warrants are met. Highland Boulevard is currently a two-lane minor arterial roadway and Kagy Boulevard is a two-lane principal arterial.

ALTERNATIVES CONSIDERED

Do nothing or consider other alternatives as suggested by MDT. Create an SID or identify other and apply for other potential sources of funding (CMAQ...)

ADVANTAGES OF APPROVAL

Increased capacity and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: None.

FUNDING SOURCES

100% Street Impact Fees. This Funding Source should reflect the adopted Impact Fee Study, which is currently under review.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF26

PROJECT NAME

Intersection Control, Church Street and Kagy Boulevard

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$750,000

DESCRIPTION OF PROJECT

Identified as TSM - 8 in the 2007 Transportation Plan Update. Includes installation of a traffic signal, roundabout or other adequate traffic control device when warrants are met. This intersection currently has stop control on Church Street. Kagy Boulevard is a two-lane principal arterial and Church Street is a two-lane collector. Current LOS analysis shows that this intersection fails during Am and PM peak hours due to excessive delay on the north and south bound approaches.

ALTERNATIVES CONSIDERED

Do nothing or consider other alternatives as suggested by MDT. Create an SID or identify other and apply for other potential sources of funding (CMAQ...)

ADVANTAGES OF APPROVAL

Increased capacity and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: None

FUNDING SOURCES

100% Street Impact Fees. This Funding Source should reflect the adopted Impact Fee Study, which is currently under review.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF27

PROJECT NAME

Intersection Control, Cottonwood Road & Durston Avenue

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$500,000

DESCRIPTION OF PROJECT

Includes installation of a traffic signal, roundabout or other adequate traffic control device when warrants are met. Cottonwood Road is currently a two-lane principal arterial roadway and Durston Road is a three-lane minor arterial.

ALTERNATIVES CONSIDERED

Do nothing or consider other alternatives as suggested by MDT. Create an SID or identify other and apply for other potential sources of funding (CMAQ...)

ADVANTAGES OF APPROVAL

Increased capacity and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: None

FUNDING SOURCES

100% Street Impact Fees. This Funding Source should reflect the adopted Impact Fee Study, which is currently under review.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF32

PROJECT NAME  
Manley Road & Griffin Drive Intersection Improvements

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$925,000

DESCRIPTION OF PROJECT

This project consists of the installation of a Traffic Signal or roundabout at the intersection of Manley Road & Griffin Drive, installation of a Turn Lane on Griffin Drive and the Relocation of associated railroad crossing equipment on Griffin Drive.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Facilitates development of property in the immediate area.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Street Impact Fees. Project Estimates - Traffic Signal \$575,000, Turn Lane \$175,000, Railroad Equipment Relocate \$175,000.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 25**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	10
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF33**

PROJECT NAME  
Intersection Control, N. 7th Avenue and Griffin Drive

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled \$500,000
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**DESCRIPTION OF PROJECT**

Control of the intersection of 7th Avenue and Griffin Drive. Includes the installation of a traffic signal or roundabout. Future development and the resulting increased traffic indicate that intersection improvements will be needed.

**ALTERNATIVES CONSIDERED**

Do nothing or consider other alternatives as suggested by the Montana Department of Transportation. Create an SID or identify and apply for other potential sources of funding (CMAQ...)

**ADVANTAGES OF APPROVAL**

Improved traffic flow and safety at this intersection.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

Street Impact Fees, North 7th Tax Increment District, Urban Funds, or Developer Contribution could all assist in funding this improvement.

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>30</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF34**

PROJECT NAME  
FOWLER CONNECTION

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$1,500,000

**DESCRIPTION OF PROJECT**

Fowler Avenue is classified as a minor arterial and is an important north-south corridor in the west part of the City. This project would fill in the quarter mile gap in the roadway that exists between West Babcock and Durston Road. This project would involve the purchase of the necessary right-of-way and construction of a two lane minor arterial between West Babcock Street and Durston Road.

**ALTERNATIVES CONSIDERED**

Do nothing.

**ADVANTAGES OF APPROVAL**

Traffic on Fowler Avenue between Garfield and West Babcock Street has increased dramatically since the connection to Garfield and hence South 19th was made. Once north-bound traffic reaches West Babcock travelers are forced to drive on local streets such as Hunter’s Way or Michael Grove. Construction of this section of Fowler will both allow motorists to stay on the arterial system and reduce traffic on local streets.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Routine O & M will be required once constructed.

**FUNDING SOURCES**

Impact Fees, Special Improvement District, developer contribution.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 20**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	0
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
Street Impact Fee

<b>PROJECT NUMBER</b>
<b>SIF35</b>

<b>PROJECT NAME</b>
OAK STREET 5TH LANE

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$250,000					

<b>DESCRIPTION OF PROJECT</b>
Complete the missing 5th lane of Oak Street on the south side of the street. This will finish the full section from 7th to 19th Avenues. This will not only provide additional lane capacity from the immediate construction but will enable full utilization of the existing lane segments and bike lanes. The intersections at either end of this road segment are already configured for full lanes in between them. The Right of Way and road base are in place. This project will complete the paved surfaces. In addition, the 5th eastbound lane of Oak Street located immediately west of the intersection with Oak Street would be included. The project could be divided into two parts, one on either side of 19th Avenue

**ALTERNATIVES CONSIDERED**

Wait for adjacent development – no time frame known; fund from other sources; do nothing

**ADVANTAGES OF APPROVAL**

Finishes the street section and enables maximum effectiveness from this key portion of the transportation network. Small construction cost for the anticipated benefits.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Fractional additional maintenance for the additional one-quarter to one-third lane mile.

**FUNDING SOURCES**

The project is fully impact fee eligible. Oak Street is also an urban route (U-1202) which could allow the use of Urban Funds for a share of the project.

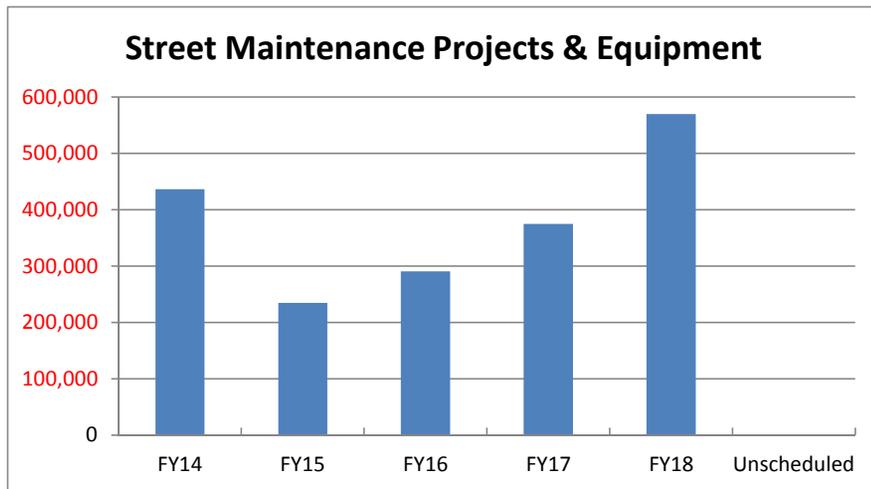
<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>40</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

**Street Maintenance District  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 237,000	\$ 63,317	\$ (13,746)	\$ 165,854	\$ 293,600	\$ 341,533	
Plus: Street Mtc Revenues Dedicated to CIP	\$ 304,040	\$ 359,320	\$ 414,600	\$ 418,746	\$ 422,933	\$ 427,163	\$ -
Less: Scheduled CIP Project Costs	\$ (477,723)	\$ (436,383)	\$ (235,000)	\$ (291,000)	\$ (375,000)	\$ (570,000)	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 63,317</b>	<b>\$ (13,746)</b>	<b>\$ 165,854</b>	<b>\$ 293,600</b>	<b>\$ 341,533</b>	<b>\$ 198,696</b>	

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Street Mtc Revenues	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,791,640	\$ 2,819,556
Estimated Annual Increase - Attributed to Annexations	-	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,791,640	\$ 2,819,556	\$ 2,847,752
Current Revenues Dedicated to CIP %	11.0%	11.0%	13.0%	15.0%	15.0%	15.0%
Plus: Increase Dedicated to CIP	0.0%	2.0%	2.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	11.0%	13.0%	15.0%	15.0%	15.0%	15.0%
Total Estimated Revenues Dedicated to CIP	\$ 304,040	\$ 359,320	\$ 414,600	\$ 418,746	\$ 422,933	\$ 427,163



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Street Maintenance District									
	PW01	STREETS	SHOPS FACILITY EXPANSION PLAN		\$10,000				
	STR01	STREETS	STREET SERVICE TRUCKS	\$66,000		\$66,000		\$40,000	
	STR11	STREETS	MEDIAN AND BOULEVARD MAINTENANCE	\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	
	STR17	STREETS	SINGLE AXEL DUMP TRUCK W/PLOW AND SANDER	\$140,383					
	STR20	STREETS	BIKE PATH IMPROVEMENTS	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
	STR22	STREETS	GRADER LEASE	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
	STR30	STREETS	CONCRETE REPAIR PROGRAM		\$50,000	\$50,000	\$50,000	\$50,000	
	STR33	STREETS	ASPHALT PATCH TRUCK				\$150,000		
	STR34	STREETS	SWEEPERS	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	
	STR35	STREETS	REGENERATIVE AIR SWEEPER						\$250,000
	STR37	STREETS	TANDEM DRUM VIBRATORY ASPHALT COMPACTOR	\$35,000					
	STR38	STREETS	MINI LOADER					\$70,000	
	STR39	STREETS	TRAILER MOUNTED SPRAY PATCHER					\$75,000	
	STR40	STREETS	SINGLE AXLE DUMP TRUCK W/PLOW AND SANDER					\$160,000	

<i>Summary for Street Maintenance District (14 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$436,383	\$235,000	\$291,000	\$375,000	\$570,000	\$250,000

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**PW01**

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$10,000				

**DESCRIPTION OF PROJECT**

The construction of the new Vehicle Maintenance Shop at the Lower Yards on Rouse Avenue in FY10/FY11 was Phase I in expanding and improving our ability to service equipment, store vehicles, and provide work space for Public Works, Parks, and Facility services. Questions remain about the long-term plan for construction, location, and expansion for: Streets, Sign & Signal, Forestry, Water/Sewer Operations, Solid Waste Collection & Recycling, Facilities, and Parks & Cemetery departments. This project would develop a master plan. In scheduling this project, we are recommending waiting until after the Vehicle Maintenance Division is relocated to its new shop and the interior improvements are made to the Shop at Rouse and Tamarack Street for the remaining divisions.

**ALTERNATIVES CONSIDERED**

**ADVANTAGES OF APPROVAL**

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

From related divisions: General Fund 20% (\$10,000), Water Fund 20% (\$10,000), Wastewater Fund 20% (\$10,000), Street Maintenance Fund 20% (\$10,000), Solid Waste Fund 20% (\$10,000).

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR01**

PROJECT NAME  
STREET SERVICE TRUCKS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$66,000		\$66,000		\$40,000	

DESCRIPTION OF PROJECT

This item is for the scheduled replacement of service trucks within the Street Maintenance Division, including those used for Sign and Signal work. These trucks are generally used in the day-to-day operation for the Street Maintenance Division, and will be replaced with trucks that can use alternative fuels, such as Ethanol or BioDiesel.

#### ALTERNATIVES CONSIDERED

Alternatives to truck purchases include continuing to maintain and repair aging vehicles; retiring the truck without replacement; or leasing vehicles rather than purchase.

#### ADVANTAGES OF APPROVAL

New vehicles will be more reliable, fuel efficient. We would not need to budget money for major repairs.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal, compared with existing vehicles.

#### FUNDING SOURCES

100% Street Maintenance District Revenue

# Street Service Trucks

Asset #	Current Make/Features	Model Yr	Current Mileage	Replacement Make/Features	FY14	FY15	FY16	FY17	FY18	Unscheduled
1096	CHEVY 1 TON FLAT BED	1986	100,881	1 TON, FLEX FUEL						\$40,000.00
1134	1 TON, CHEVY C-3500	1988	115,245	3/4 TON, FLEX FUEL	\$26,000					
1539	COMPACT TRUCK, 2WD FORD RANGER	1990	67,976	3/4 TON, FLEX FUEL			\$26,000			
3081	SIGN & SIGNAL: 1 TON, 2W DRIVE, MANUAL, FORD F-350	1992	78,375	1 TON, FLEX FUEL			\$40,000			
1456	1 TON, 2 WHEEL DRIVE, MANUAL, FORD F-350	1992	76,698	1 TON, FLEX FUEL	\$40,000					
<b>Totals</b>					<b>\$66,000</b>		<b>\$66,000</b>			<b>\$40,000</b>

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>STR11</b>

<b>PROJECT NAME</b>						
MEDIAN AND BOULEVARD MAINTENANCE						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	

**DESCRIPTION OF PROJECT**

This money would be used to repair and maintain the City's boulevards and medians. Projects might include irrigation, seeding, planting and curbing. Money would be added to this fund yearly so as to continue to bring our medians and boulevards up to the standards our citizens expect. Increase in FY14 is for a design we can use on all our future median and boulevard improvements that would incorporate the use of water efficient natural native landscaping. Kagy Median from Willson to Highland is the next to be improved. Others include N 27th south of Baxter Lane, N 7th and S 27th in Meadow Creed subdivision area.

**ALTERNATIVES CONSIDERED**

Continue to do minimal repairs to the medians and boulevards using Street Depts. operational funds. Do nothing. Recruit volunteers, this would be used any time it is possible with the proposed funding. Take out the medians and pave them

**ADVANTAGES OF APPROVAL**

Keeping boulevards and medians maintained help keep our street edges intact. Many of our medians are in entryway corridors and are in dire need of repair. Well maintained boulevards and medians help with storm water runoff thus keeping it out of our streams. Not having to water by hand and budget for the manpower to do so. Street edges bordered by medians not having to be repaired yearly because of the curb edges breaking off. Well designed medians have been proven to help calm traffic.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

As Scheduled.

**FUNDING SOURCES**

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR17

PROJECT NAME  
SINGLE AXEL DUMP TRUCK W/PLOW AND SANDER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$140,383					

DESCRIPTION OF PROJECT

This is a request for a single axle dump truck with 4 yard box. A plow and sander would also be included. This would replace a 1986 dump truck that will be 28 years old at time of replacement and will be sold or traded in. The backup 1978 dump truck will be auctioned. The 1986 truck is underpowered with a gas engine that averages 2-3 MPG. This truck could be fueled with alternative fuels such as Biodiesel. Emission standards for this old of gasoline powered heavy duty truck are not available but it is safe to say that the decrease would be significant with the new diesel powered unit. Improved safety devices such as air brakes, shoulder belts and radial tires would be standard on a new truck. The sander would be equipped with pre wet to aid in winter sanding operations.

ALTERNATIVES CONSIDERED

Continue to use 1986 model. Rent. Lease.

ADVANTAGES OF APPROVAL

More productivity, current model can't make it up Highland Blvd. fully loaded. Better fuel economy and fewer emissions. Use of alternative fuels. Reliability. Safer. Save on maintenance and repair costs. Less fuel consumed.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs.

FUNDING SOURCES

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR20

PROJECT NAME  
BIKE PATH IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	

DESCRIPTION OF PROJECT

This item would provide for bike-related infrastructure including (but, not limited to) racks, signs, striping, curb-cuts, and separated pathways. The Greater Bozeman Area Transportation Plan (2007 Update) Section 5.4 Recommended Bicycle Facility Improvements outlines many improvements. In February 2012 the Bozeman Area Bicycle Advisory Board (BABAB) gave the City their top 3 priorities: They are listed with City Engineering cost estimates: 23rd Ave - College to Main, \$15,500; North 11th Ave - Mendenhall to Durston, \$14,500; Willson Ave - Main Street to Kagy Blvd, \$54,300.

#### ALTERNATIVES CONSIDERED

Continue with existing infrastructure.

#### ADVANTAGES OF APPROVAL

Safety will likely be improved.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs.

#### FUNDING SOURCES

100% Street Maintenance Fund

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR22

PROJECT NAME  
GRADER LEASE

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	

DESCRIPTION OF PROJECT

This is a request to establish a 25 year replacement schedule for our graders. Currently our fleet is comprised of a 1981, 1994, 1998, 2003 and a 2007. The '81 will be replaced in FY13 and the '94 will be replaced in FY19. Although the industry standard schedules a 15 year replacement we believe with our extensive preventative maintenance schedule will allow us to get 20 to 25 years out of a grader. The old grader would be traded in.

#### ALTERNATIVES CONSIDERED

Budget 250k every 5 years to purchase. Cut back on our use of graders in the residential areas. Continue to use what we have and replace when we have complete failure.

#### ADVANTAGES OF APPROVAL

Much more reliable equipment.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Decrease in costs due to newer equipment.

#### FUNDING SOURCES

100% Street Maintenance Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR30**

PROJECT NAME  
CONCRETE REPAIR PROGRAM

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$50,000	\$50,000	\$50,000	\$50,000	

DESCRIPTION OF PROJECT

This is a request for money to use for concrete repairs and replacements. Repairs such as valley gutters, drainage facilities, wing walls, bridge faces, and sidewalk panels. Any unused money would go to supplement the curb replacement program.

#### ALTERNATIVES CONSIDERED

Continue to do small pieces of needed repairs with money from operations.

#### ADVANTAGES OF APPROVAL

We would have money budgeted for other concrete repairs. We would tag onto the curb bids to get the most for our money.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

#### FUNDING SOURCES

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR33**

PROJECT NAME  
Asphalt Patch Truck

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$150,000		

**DESCRIPTION OF PROJECT**

This is a request to replace our 1991 patch truck. At the time of replacement it will be 26 years old. Before we decide on a particular model we will demo several different types to decide which is best for our operations. With advancements in emission reduction this new truck will emit less than 1/2 the emissions that the truck it replaces.

**ALTERNATIVES CONSIDERED**

Contract out patching. Continue to use this truck. Increase response time to pothole requests.

**ADVANTAGES OF APPROVAL**

Less emissions. More efficient operations. Decrease response time to pothole requests. Better safety systems on new unit.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

No increase in costs. Decrease in costs expected,

**FUNDING SOURCES**

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR34**

PROJECT NAME  
SWEEPERS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	

**DESCRIPTION OF PROJECT**

This is a request to replace a sweeper every 5 years. In the past we depended on the State for funds through the MACI program to purchase a sweeper every five years if funding was available. Funding is very sporadic. Industry standards recommend replacing municipal street sweepers every 4-5 years. We will always pursue a sweeper through the MACI program when it becomes available. Our current fleet of sweepers include a 1991, 1999, 2005 and a 2009 model. The 1991 and 1999 models will be replaced in 2012. One is through the MACI program and one will be leased. The 2005 will be replaced in 2017 if no MACI funds become available.

**ALTERNATIVES CONSIDERED**

Budget 200k every year until all sweepers are replaced. Cut back on our sweeping There are no local contractors at this time. Continue to use what we have.

**ADVANTAGES OF APPROVAL**

Much improved operations. Better air quality. Improved storm water discharge.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

None.

**FUNDING SOURCES**

100% Street Mtc Fund.

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR35**

PROJECT NAME  
REGENERATIVE AIR SWEEPER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$250,000

**DESCRIPTION OF PROJECT**

This is a request for a new regenerative air (RA) sweeper. This would be an addition to our sweeper fleet. RA sweepers use a blast of air to dislodge the street debris and suck it into the hopper. It reuses the air so no polluted or particulate air is released into the atmosphere. These type of sweepers help us to comply with air quality requirements (particulate matter of 2.5 microns or less) and storm water Best Management Practices.

**ALTERNATIVES CONSIDERED**

Only use mechanical sweepers which discharge dust when sweeping.

**ADVANTAGES OF APPROVAL**

We could improve our discharge into the storm water system. Spring sweeping of the winter sand would generate less dust therefore eliminating complaints from citizens and DEQ.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Normal sweeper maintenance costs.

**FUNDING SOURCES**

100% Street Maintenance District

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR37

PROJECT NAME  
Tandem Drum Vibratory Asphalt Compactor

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$35,000					

DESCRIPTION OF PROJECT

This is a request to replace our 1993 single drum vibratory soil compactor. Last century when we were still building road bases and gravel roads we used the single drum roller extensively. We do very little of this type of work anymore. We now do significantly more and larger asphalt repairs that require a roller made for compacting asphalt. The single drum does not do an adequate job of compaction causing less than satisfactory results. This past season we rented a roller when it was available and spent over \$5000 in rental fees. We could have used one the entire summer if we had one. We would trade or auction the 1993 roller. Equipment Trader® estimates show that the value of these two pieces of equipment should net \$10,000. Estimated Purchase Price = \$45,000 less trade in of \$10,000.

ALTERNATIVES CONSIDERED

Continue renting.

ADVANTAGES OF APPROVAL

Better quality of patches and repairs. Cost savings vs. renting.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR38**

PROJECT NAME  
Mini Loader

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$70,000	

**DESCRIPTION OF PROJECT**

This request is for a mini loader that would mainly be used for sidewalk maintenance including plowing, removal and repairs. Currently we are using 30+ year old CJ5 Jeeps to plow the sidewalks because they fit on the 5 foot wide sidewalks. Replacing these is getting tougher because of availability. This loader would accept many attachments that we already have such as brooms, sweepers and plows. This loader would be available for use in other departments. It would be useful in tight situations where a full size loader wouldn't fit such as when the mini excavator is being used and material needs to be moved off site.

**ALTERNATIVES CONSIDERED**

No comparable equipment is available for rent.

**ADVANTAGES OF APPROVAL**

If we are going to continue to maintain city owned sidewalks in the manner we require businesses and residents to then we need to find some sort replacement of the Jeeps for the over 2 miles of sidewalks we plow. This does not include what the Parks Department plows.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Less than what is spent on the Jeeps.

**FUNDING SOURCES**

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR39**

PROJECT NAME  
Trailer Mounted Spray Patcher

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$75,000	

**DESCRIPTION OF PROJECT**

This is a request for a oil/aggregate trailer mounted spray patcher. This would be a worthwhile addition to our pavement preservation program. Catching minor pavement imperfections before they have to be dug out and patched is very cost effective. Alligator cracking, small indentations (birdbaths), broken radii and wide cracks could be repaired with a spray patcher. This machine can be used in colder weather when hot mix asphalt is not available. When a utility cut is made in a newly chip sealed street the repair leaves a low spot that collects water and can rapidly deteriorate into a pothole. This machine would be able to reinstall the chip seal on the repair. Premature delaminating of a chip seal can be repaired before in turns into a mill and overlay saving thousand in repair costs. We have demonstrated several models and rented one this summer for one month. Both the State and Gallatin County each have one and highly recommend them for pavement repairs.

**ALTERNATIVES CONSIDERED**

Continue to dig out minor pavement failures and patch with hot mix.

**ADVANTAGES OF APPROVAL**

Prolong the need for major repairs. Save time on minor repairs.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Additional aggregate (chips) and emulsion oil. Approx. \$5,000.00 per season.

**FUNDING SOURCES**

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR40**

PROJECT NAME  
SINGLE AXLE DUMP TRUCK W/PLOW AND SANDER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$160,000	

**DESCRIPTION OF PROJECT**

This request is for a single axle dump truck with a 4 yard box. A plow and sander would also be included. This will replace a 1990 underpowered gasoline engine dump truck that averages about 3 MPG when used for plowing operations. The new truck could be fueled with alternative fuels such as Biodiesel. Estimates shows that the 1990 spews over 30 tons of CO2 into the air per year and by removing this from our fleet will help us in our goal of reducing municipal greenhouse emissions 15% below 2000 levels by 2020.

**ALTERNATIVES CONSIDERED**

Continue with 1990 model.

**ADVANTAGES OF APPROVAL**

Efficiency, less emissions, safety, fuel savings and more reliable equipment.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Less than current model.

**FUNDING SOURCES**

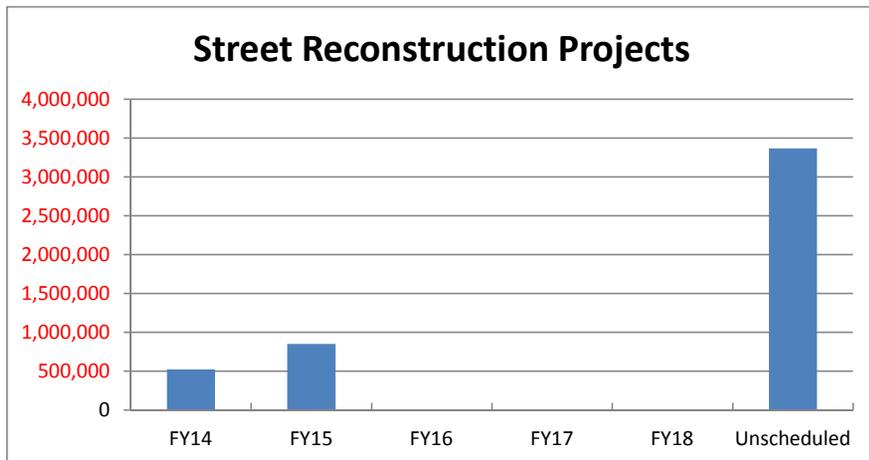
100% Street Maintenance District Revenue

## Street Reconstruction Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 159,952	\$ 491,632	\$ 464,152	\$ 111,672	\$ 614,167	\$ 1,121,687	
Plus: Street Maintenance Assessments Dedicated	\$ 331,680	\$ 497,520	\$ 497,520	\$ 502,495	\$ 507,520	\$ 512,595	
Less: Scheduled CIP Project Costs	\$ -	\$ (525,000)	\$ (850,000)	\$ -	\$ -	\$ -	\$ (3,370,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 491,632</b>	<b>\$ 464,152</b>	<b>\$ 111,672</b>	<b>\$ 614,167</b>	<b>\$ 1,121,687</b>	<b>\$ 1,634,283</b>	<b>\$ (3,370,000)</b>

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Street Reconstruction Revenue	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,791,640	\$ 2,819,556
Estimated Annual Increase - Attributed to Annexations		0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 2,764,000	\$ 2,764,000	\$ 2,764,000	\$ 2,791,640	\$ 2,819,556	\$ 2,847,752
Current Revenues Dedicated to CIP %	6.0%	12.0%	18.0%	18.0%	18.0%	18.0%
Plus: Increase Dedicated to Reconstruction	6.0%	6.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	12.0%	18.0%	18.0%	18.0%	18.0%	18.0%
Total Estimated Revenues Dedicated to CIP	\$ 331,680	\$ 497,520	\$ 497,520	\$ 502,495	\$ 507,520	\$ 512,595



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Street Reconstruction									
	CR03	ENG.	PURCHASE MICROPAVER ASSET MANAGEMENT SOFTWARE	\$125,000					
	REC01	STREETS	BAXTER LANE (19TH TO BUCKRAKE) - A SEGMENT OF THE AREA INCLUDED IN STREET IMPACT FEE ITEM SIF02						\$350,000
	REC03	STREETS	BAXTER LANE (BUCKRAKE LANE TO DAVIS) - A SEGMENT OF THE AREA INCLUDED IN STREET IMPACT FEE ITEM SIF02						\$520,000
	REC04	STREETS	STORY STREET (CHURCH AVENUE TO TRACY AVENUE)	\$400,000					
	REC05	STREETS	GRAND AVENUE (OLIVE STREET TO GARFIELD STREET)		\$850,000				
	REC06	STREETS	OLIVE STREET (CHURCH AVENUE TO 8TH AVENUE)						\$1,000,000
	REC07	STREETS	BAXTER LANE (WEST OF 7TH AVENUE)						\$900,000
	SIF08	STREETS	DURSTON ROAD (FOWLER TO FERGUSON)						\$600,000

<i>Summary for Street Reconstruction (8 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$525,000	\$850,000				\$3,370,000

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
ENG.

PROJECT NUMBER  
CR03

PROJECT NAME  
Purchase Micropaver Asset Management Software

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$125,000					

DESCRIPTION OF PROJECT

The City's current pavement management system is based on the IWorqs software program. This program has shown itself to be deficient in a number of ways. It is inflexible, labor intensive to update, has poor graphic and display capabilities and is poorly supported. The purpose of this project is to purchase and install, in combination with \$125,000 of street reconstruction funds the Micropaver software product. MicroPAVER™ provides pavement management capabilities to: (1) develop and organize the pavement inventory; (2) assess the current condition of pavements; (3) develop models to predict future conditions; (4) report on past and future pavement performance; (5) develop scenarios for M&R based on budget or condition requirements; and (6) plan projects.

ALTERNATIVES CONSIDERED

Continue to use the IWorqs software.

ADVANTAGES OF APPROVAL

A more robust, flexible and modern pavement management software system will allow staff and commissioners to more efficiently plan projects and allocate resources at the right time to maintain the City's street network. With over 240 miles of City streets, it is becoming imperative to utilize the most efficient tools available to accomplish that task.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

There is a potential for the need to purchase future software updates. Staff time, both in the Street and Engineering Divisions will be needed on an ongoing basis to update the condition inputs.

FUNDING SOURCES

Curb Replacements or Street Reconstruction Funds - \$150,000 Total

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>REC01</b>

<b>PROJECT NAME</b>						
Baxter Lane (19th to Buckrake) - a segment of the area included in Street Impact Fee item SIF02						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$350,000

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

Roadway has been widened in a piecemeal fashion as adjoining properties developed, and most of the work is needed on the north half. Some sections of original roadway remain, and may require additional structural strengthening prior to a mill and overlay. Project will also include curb, gutter sidewalk and bike lanes.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

Street Maintenance District - Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**REC03**

**PROJECT NAME**  
Baxter Lane (Buckrake Lane to Davis) - a segment of the area included in Street Impact Fee item SIF02

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$520,000

**DESCRIPTION OF PROJECT**

This project includes installing curb, gutter, sidewalk and bike lanes on this section of Baxter Lane.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

Street Maintenance District - Reconstruction Funds, Street Impact Fees

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**REC04**

PROJECT NAME  
Story Street (Church Avenue To Tracy Avenue)

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$400,000					

DESCRIPTION OF PROJECT

Reconstruction of the street, including repairs to sidewalks, curbs, gutters and pedestrian ramps as needed.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Should be reduced if consistent maintenance is performed on the rebuilt street.

**FUNDING SOURCES**

Street Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**REC05**

PROJECT NAME  
Grand Avenue (Olive Street to Garfield Street)

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$850,000				

DESCRIPTION OF PROJECT

Reconstruction of the street, including repairs to sidewalks, curbs, gutters and pedestrian ramps as needed.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

Street Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**REC06**

PROJECT NAME  
Olive Street (Church Avenue to 8th Avenue)

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$1,000,000

DESCRIPTION OF PROJECT

Reconstruction of the street, including repairs to sidewalks, curbs, gutters and pedestrian ramps as needed.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

Street Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**REC07**

PROJECT NAME  
Baxter Lane (West of 7th Avenue)

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$900,000

DESCRIPTION OF PROJECT

Roadway has been widened in a piecemeal fashion as adjoining properties developed. Some sections of original roadway remain, and may require additional structural strengthening prior to a mill and overlay. Project will also include curb, gutter sidewalk and bike lanes.

ALTERNATIVES CONSIDERED

None. Pavement maintenance activities deemed largely ineffective due to condition.

ADVANTAGES OF APPROVAL

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Street Reconstruction Funds, Street Impact Fees

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

PROJECT NUMBER  
SIF08

PROJECT NAME  
Durston Road (Fowler to Ferguson)

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$600,000

DESCRIPTION OF PROJECT

TOTAL PROJECT COST: \$1,500,000. THIS PROJECT REQUIRES A SUBSTANTIAL AMOUNT OF STREET IMPACT FEE FUNDING = \$900,000. Over recent years, Durston Road has been significantly improved, except for this small portion of the road. This ~1/4 mile length of road needs to be improved with completed sidewalks, bike lanes, and additional driving and turn lanes.

ALTERNATIVES CONSIDERED

none

ADVANTAGES OF APPROVAL

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Street Maintenance Reconstruction Funds, Street Impact Fees

CIP Project Fund  
Tree Maintenance District

DEPARTMENT  
FORESTRY

<b>PROJECT NUMBER</b>
<b>FOR06</b>

PROJECT NAME
CHIPPER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$67,492					

DESCRIPTION OF PROJECT
------------------------

This a request to replace a 2000 model chipper. This would be a scheduled equipment replacement as this chipper would be over 12 years old. This equipment would be powered by an alternative fuel such as BioDiesel.

#### ALTERNATIVES CONSIDERED

Continue to use older, less efficient model. Lease. As directed by Commission.

#### ADVANTAGES OF APPROVAL

Replacing the old chipper will provide the division with more reliable equipment, improved safety, use of alternative fuels, lower exhaust emissions, and more production due to improvements in design.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: no increase. A new chipper would be cheaper than the existing repairs required on the older model currently in use.

#### FUNDING SOURCES

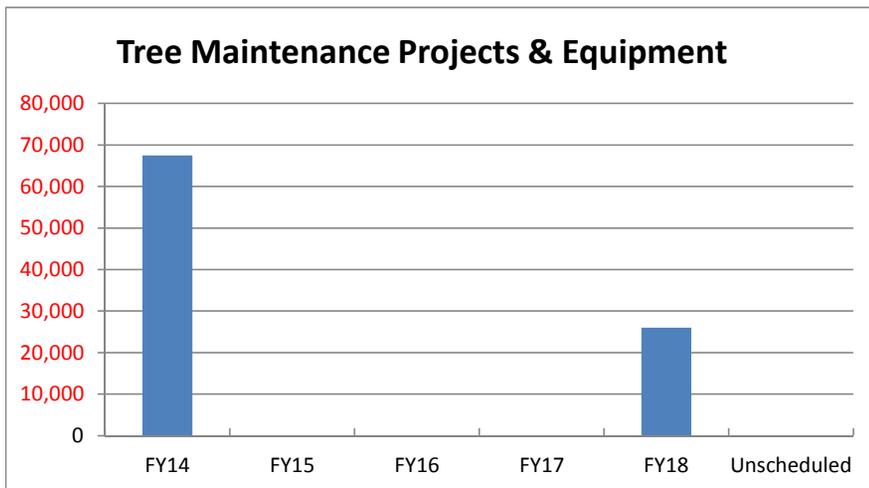
100% Tree Maintenance District Fund Revenue

**Tree Maintenance District  
Capital Improvement Plan**

Financial Summary	Current Year	Projected						Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18		
Projected Beginning Reserve Balance Dedicated to CIP	\$ 45,649	\$ 67,649	\$ 22,157	\$ 44,377	\$ 66,819	\$ 89,486	\$ -	
Plus: Tree Mtc Revenues Dedicated to CIP	\$ 22,000	\$ 22,000	\$ 22,220	\$ 22,442	\$ 22,667	\$ 22,893	\$ -	
Less: Scheduled CIP Project Costs	\$ -	\$ (67,492)	\$ -	\$ -	\$ -	\$ (26,000)	\$ -	
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 67,649</b>	<b>\$ 22,157</b>	<b>\$ 44,377</b>	<b>\$ 66,819</b>	<b>\$ 89,486</b>	<b>\$ 86,379</b>	<b>\$ -</b>	

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected					
	FY13	FY14	FY15	FY16	FY17	FY18	
Estimated Annual Tree Mtc Revenues	\$ 400,000	\$ 400,000	\$ 400,000	\$ 404,000	\$ 408,040	\$ 412,120	
Estimated Annual Increase - Attributed to Annexations	-	0%	1%	1%	1%	1%	
Total Estimated Revenues	\$ 400,000	\$ 400,000	\$ 404,000	\$ 408,040	\$ 412,120	\$ 416,242	
Current Revenues Dedicated to CIP %	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total % Dedicated to CIP	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	
Total Estimated Revenues Dedicated to CIP	\$ 22,000	\$ 22,000	\$ 22,220	\$ 22,442	\$ 22,667	\$ 22,893	



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
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Tree Maintenance District

FOR06	FORESTRY	CHIPPER	\$67,492						
FOR07	FORESTRY	1/2 TON TRUCK						\$26,000	

<i>Summary for Tree Maintenance District (2 items)</i>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$67,492				\$26,000	

CIP Project Fund  
Tree Maintenance District

DEPARTMENT  
FORESTRY

**PROJECT NUMBER**  
**FOR06**

PROJECT NAME  
CHIPPER

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$67,492					

DESCRIPTION OF PROJECT

This a request to replace a 2000 model chipper. This would be a scheduled equipment replacement as this chipper would be over 12 years old. This equipment would be powered by an alternative fuel such as BioDiesel.

#### ALTERNATIVES CONSIDERED

Continue to use older, less efficient model. Lease. As directed by Commission.

#### ADVANTAGES OF APPROVAL

Replacing the old chipper will provide the division with more reliable equipment, improved safety, use of alternative fuels, lower exhaust emissions, and more production due to improvements in design.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: no increase. A new chipper would be cheaper than the existing repairs required on the older model currently in use.

#### FUNDING SOURCES

100% Tree Maintenance District Fund Revenue

CIP Project Fund  
Tree Maintenance District

DEPARTMENT  
FORESTRY

**PROJECT NUMBER**  
**FOR07**

PROJECT NAME  
1/2 TON TRUCK

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$26,000	

**DESCRIPTION OF PROJECT**

<div>This is a request to replace a 1999 pickup. This would be a scheduled replacement as this truck will be 19 years old. This truck would be passed on to another Division such as Parks to be used by seasonal employees.</div>

**ALTERNATIVES CONSIDERED**

Continue to use older, less fuel efficient model. Lease. As directed by Commission.

**ADVANTAGES OF APPROVAL**

Replacing this equipment provide the division with more reliable equipment, improved safety, use of alternative fuels, lower exhaust emissions.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

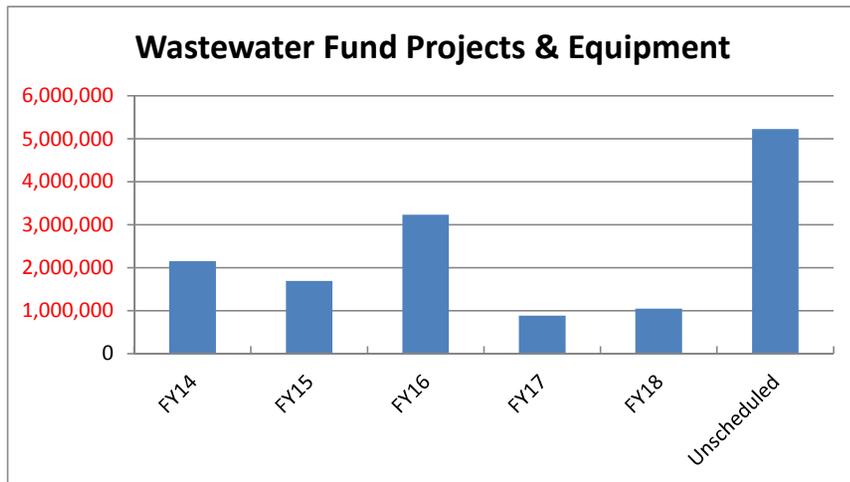
100% Tree Maintenance District Fund Revenue

**Wastewater Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 1,836,580	\$ 1,899,728	\$ 1,142,764	\$ 929,632	\$ (738,498)	\$ 5,554	\$ -
Plus: Wastewater Revenues Dedicated to CIP	\$ 1,315,742	\$ 1,394,686	\$ 1,478,368	\$ 1,567,070	\$ 1,629,753	\$ 1,694,943	\$ -
Less: Scheduled CIP Project Costs	\$ (1,252,594)	\$ (2,151,650)	\$ (1,691,500)	\$ (3,235,200)	\$ (885,700)	\$ (1,045,850)	\$ (5,230,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 1,899,728</b>	<b>\$ 1,142,764</b>	<b>\$ 929,632</b>	<b>\$ (738,498)</b>	<b>\$ 5,554</b>	<b>\$ 654,647</b>	<b>\$ (5,230,000)</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Wastewater Revenues	\$ 6,206,330	\$ 6,578,710	\$ 6,973,432	\$ 7,391,838	\$ 7,835,349	\$ 8,148,763
Estimated Annual Increase	6.0%	6%	6%	6%	4%	4%
Total Estimated Revenues	\$ 6,578,710	\$ 6,973,432	\$ 7,391,838	\$ 7,835,349	\$ 8,148,763	\$ 8,474,713
Current Revenues Dedicated to CIP %	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,315,742	\$ 1,394,686	\$ 1,478,368	\$ 1,567,070	\$ 1,629,753	\$ 1,694,943



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Wastewater Fund									
	WW27	WRF PLANT	HDR WATERSHED STUDY AND STREAM MODELING	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	
	WW28	WRF PLANT	DESIGN PHASE II - WRF PLANT IMPROVEMENTS						\$5,230,000
	WW29	WRF PLANT	ENERGY RECOVERY (METHANE CO-GENERATION) PROJECT	\$50,000	\$350,000	\$2,200,000			
	WW30	WRF PLANT	REPLACE DIGESTER MIXERS	\$42,000					
	WW31	WRF PLANT	REPLACE LIFT #1 PUMP	\$19,000					
	WW32	WRF PLANT	WRF FISHING ACCESS - LATRINE	\$10,000					
	PW01	WW OPS	SHOPS FACILITY EXPANSION PLAN		\$10,000				
	WW02	WW OPS	1 TON TRUCK WITH HOIST	\$45,000					
	WW07	WW OPS	ENGINEERING/DESIGN FOR ANNUAL WASTEWATER PIPE REPLACEMENTS	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	
	WW08-14	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2014.	\$1,003,150					
	WW08-15	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2015		\$914,000				
	WW08-16	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2016			\$952,700			
	WW08-17	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2017				\$803,200		
	WW08-18	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2018.					\$963,350	
	WW26	WW OPS	FLUSHER VAC TRUCK REPLACEMENT		\$335,000				

<i>Summary for Wastewater Fund (15 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$1,251,650	\$1,691,500	\$3,235,200	\$885,700	\$1,045,850	\$5,230,000

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**PW01**

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$10,000				

DESCRIPTION OF PROJECT

The construction of the new Vehicle Maintenance Shop at the Lower Yards on Rouse Avenue in FY10/FY11 was Phase I in expanding and improving our ability to service equipment, store vehicles, and provide work space for Public Works, Parks, and Facility services. Questions remain about the long-term plan for construction, location, and expansion for: Streets, Sign & Signal, Forestry, Water/Sewer Operations, Solid Waste Collection & Recycling, Facilities, and Parks & Cemetery departments. This project would develop a master plan. In scheduling this project, we are recommending waiting until after the Vehicle Maintenance Division is relocated to its new shop and the interior improvements are made to the Shop at Rouse and Tamarack Street for the remaining divisions.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

From related divisions: General Fund 20% (\$10,000), Water Fund 20% (\$10,000), Wastewater Fund 20% (\$10,000), Street Maintenance Fund 20% (\$10,000), Solid Waste Fund 20% (\$10,000).

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

PROJECT NUMBER  
WW02

PROJECT NAME  
1 TON TRUCK WITH HOIST

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$45,000					

DESCRIPTION OF PROJECT

FY12: Replaces a 2000 1-ton truck with a hoist. At the time of replacement, this truck will be 11 years old. Replaces a 2004 Ford F250, asset #3232. At the time of replacement, this truck will be over 10 years old. While this vehicle is only 10 years old, its not big enough to properly function as a service truck; very limited carrying capacity. It will be passed down to another department for continued use within the city. These trucks are used daily in both water and sewer operations to transport personnel and equipment. The existing truck will not be traded in; it will be utilized as a back-up vehicle when needed.

ALTERNATIVES CONSIDERED

Keep the truck and spend maintenance dollars to have truck serviceable.

ADVANTAGES OF APPROVAL

Advantages to the City for approving this request include savings on fuel and emissions. The new vehicles will improve safety of crews, there would be lower repair costs and it would help maintain current operations levels.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Revenue

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**WW07**

PROJECT NAME  
ENGINEERING/DESIGN for ANNUAL WASTEWATER PIPE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	

DESCRIPTION OF PROJECT

This item provides for design work to be completed every-other year, in anticipation of the Annual System Upgrades. As the Wastewater Operations Division televises (views) the existing system, maintenance projects become apparent. As annual televising continues, other more-urgent projects may be identified and designed under this project heading.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for design of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-14</b>

<b>PROJECT NAME</b>						
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2014.						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$1,003,150					

<b>DESCRIPTION OF PROJECT</b>
PROJECT AREA: N. Grand Ave: W. Mendenhall St - W. Main St S. Grand Ave: W. Main St - W. Babcock St S. Grand Ave: W. Babcock St - S. End of Line N. Willson Ave: W. Mendenhall St - W. Main St N. Willson Ave: W. Main St - W. Hayes St S. Tracy Ave: W. Main St - W. Garfield St. After budget approval July 1, 2013, this project would complete design, bid and begin construction in the Spring/Summer of 2014, at the end of FY14.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**WW08-15**

PROJECT NAME  
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2015

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$914,000				

DESCRIPTION OF PROJECT

PROJECT AREA: S. 3rd Ave: W. Olive St - W. Lincoln St S. 4th Ave: W. Babcock St - W. Olive St S. 4th Ave: W. College St - W. Lincoln St S. 5th Ave: W. Olive St - W. Lincoln St W. Babcock St: S. 6th Ave - S. Grand Ave W. Olive St: S. 6th Ave - S. 3rd Ave Alley N of Koch: S. 5th Ave - E. End. After budget approval July 1, 2014, this project would complete design, bid and begin construction in the Spring/Summer of 2015, at the end of FY15.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**WW08-16**

PROJECT NAME  
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2016

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$952,700			

DESCRIPTION OF PROJECT

PROJECT AREA: Interstate/walmart: N. Rouse Ave - N. 3rd Ave Pea Cannery Line: N. Rouse Ave - End Juniper Street: N. Rouse Ave - E. Tamarack St N. Rouse Ave: Humane Society - Bridger Center Dr Bridger Center Main: Bridger Drive - N End of Main Industrial Dr: Trunk Main - Half way to Griffin. After budget approval July 1, 2015, this project would complete design, bid and begin construction in the Spring/Summer of 2016, at the end of FY16.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-17</b>

<b>PROJECT NAME</b>						
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2017						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$803,200		

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

PROJECT AREA: Alley N of Story: S 5th Ave - E. End Alley N of Dickerson: S 5th Ave - E. End, Alley N of Alderson: S 5th Ave - E. End W. College St: S 5th Ave - E. End, W. College St: S 4th Ave - S. 3rd Ave Alley N. of Harrison: S. 5th Ave - S. 4th Ave, Alley N. of Cleveland: S. 5th Ave - S. 4th Ave S. 6th Ave: W. Babco St - Alley N. of Olive, S. 6th Ave: W. Story St - W. Grant St S. 7th Ave: Alley N of Olive - W. Story St, S. 7th Ave: W. Story St - W. Harrison W. Olive St: S. 6th Ave - S. 7th Ave, W. Story St: S. 6th Ave - S. 7th Ave Alley btwn 7th & 8th: Alley N of Olive - Alley N. of Koch Alley btwn 7th & 8th: Alley N of Dickerson - W. Harrison St.. After budget approval July 1, 2016, this project would complete design, bid and begin construction in the Spring/Summer of 2017, at the end of FY17.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-18</b>

<b>PROJECT NAME</b>						
WASTEWATER PIPE REPLACEMENT PROGRAM - Construcion in 2018.						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$963,350	

<b>DESCRIPTION OF PROJECT</b>
Alley N of Babcock: S. 11th Ave-Alley E. of 7th: W Babcock St: S. 11th- S. 10th Ave.: Alley N of Olive: S. 6th Ave-S 7th Ave.: Alley N Of Olive: S. 11th Ave.- Alley E of 8th: Alley btwn 8th&9th: Alley N of Olive-W. College St: S. 9th St.: W. Main St.-Alley N of Olive: Alley btwn 9th&10th: Alley N of Olive- W. College St: S. 10th Ave: W. Main St – W. Harrison St: W. Harrison St: S. 6th Ave – S 10th Ave. After budget approval July 1, 2017, this project would complete design, bid and begin construction in the Spring/Summer of 2018, at the end of FY18.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**WW26**

PROJECT NAME  
FLUSHER VAC TRUCK REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$335,000				

**DESCRIPTION OF PROJECT**

Replacement of the City's Flusher Vac Truck. This flusher vac truck is used daily to excavate around critical infrastructure i.e. fiber optics, gas, and electric lines in addition to flushing and vacuuming sewer mains. At time of replacement, this truck will be approximately 10 years old. The existing truck will be sold at auction.

**ALTERNATIVES CONSIDERED**

Continue to use older vehicle which will be costly to maintain.

**ADVANTAGES OF APPROVAL**

Increased reliability and safety for staff and wastewater operations. This piece of equipment eliminates costly repairs because we can avoid hitting utilities with a hoe and utilize the vacuum instead.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Operating and repair costs are expected to be lower than the existing vehicle.

**FUNDING SOURCES**

100% Wastewater utility fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WRF PLANT

PROJECT NUMBER  
WW27

PROJECT NAME  
HDR Watershed Study and Stream Modeling

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	

DESCRIPTION OF PROJECT

Develop a comprehensive, multi-year watershed study and computer model for the East Gallatin River which would enable the City and DEQ to better determine stream load allocations and develop a more scientifically valid TMDL for the river segment we discharge to. This will require annual field sample collection, laboratory analytical work and detailed computer modeling using calibrated data. This multi-year study would consist of \$45,000 in consulting and computer modeling fees for at least two fiscal years (FY14 and FY15) and stream sampling/lab fees of \$15,000 each year. Craig recommends we should be prepared to continue this work beyond FY15 as necessary.

#### ALTERNATIVES CONSIDERED

Not undertake this work and risk having to accept the TMDL and waste load allocations the DEQ has proposed in their original draft documents. This decision could greatly limit our ability to appeal future nutrient limitations and could result in non-compliance.

#### ADVANTAGES OF APPROVAL

This watershed study will greatly enhance the City's understand of our impact on the East Gallatin River and enable us to more successfully negotiate future permit limitations with the DEQ.

#### ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None, unless additional stream sampling is desired in subsequent years.

#### FUNDING SOURCES

100% Wastewater Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WRF PLANT

PROJECT NUMBER  
WW28

PROJECT NAME  
DESIGN PHASE II - WRF PLANT IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$5,230,000

DESCRIPTION OF PROJECT

In January 2006 Morrison & Maierle Consulting Engineers completed a comprehensive Wastewater Facilities Plan. The plan recommends the City proceed with a 3-phased project schedule that includes the construction of the new Water Reclamation Facility (WRF), capable of handling our increased flows while also reducing the amount of Total Nitrogen discharged to the East Gallatin River. Phase two is expected to include one new primary clarifier, more BNR reactor basins, clarifiers, tertiary membrane filtration, liquid sludge storage tanks, anaerobic digestion, and an effluent re-use pumping station. The capacity expanding (impact fee eligible) elements are: bioreactor basins, clarifiers, and pumping station. It is possible that this phase of the project could be further divided into phase 2A and phase 2B, if necessary.

ALTERNATIVES CONSIDERED

A variety of treatment technologies and alternatives are presented in the January 2006 Wastewater Facilities Plan.

ADVANTAGES OF APPROVAL

Major capital expansion of the Bozeman WRF will enable the City to meet its estimated demand for wastewater services and still produce a high quality effluent that is in full compliance with the City's MPDES discharge permit. Expansion of the Bozeman WRF is consistent with the City's long-term need to accommodate rapid growth and economic development in the Gallatin Valley.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: no estimates at this time.

FUNDING SOURCES

Total Design Cost: \$5,230,000. We estimate the majority of the project costs are related to regulation and maintenance issues and would be borne by the Utility Fund. Half are related to capacity expansion, and would be borne by Impact Fees. 50% Wastewater Fund, 50% Wastewater Impact Fee Fund.

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WRF PLANT

PROJECT NUMBER  
WW29

PROJECT NAME  
ENERGY RECOVERY (METHANE CO-GENERATION) PROJECT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$50,000	\$350,000	\$2,200,000			

DESCRIPTION OF PROJECT

Consistent with the goals of the City's Climate Action Plan & Sustainability Programs, the Bozeman WRF staff and Public Works Director recommend we move forward with our proposed investigation and installation of a methane recovery and co-generation system. This system will produce an average of 175 kW of electricity and 974,000 BTU/hour of thermal output using a generator powered entirely by WRF digester gas. This project has the potential to save the City at least \$180,000 in electricity costs and substantially lower the carbon footprint of the new Bozeman WRF. This project would be implemented in 3 phases including (1) a feasibility / cost effectiveness study, (2) project engineering / design and (3) the purchase and installation of appropriate technology for the co-generation of electricity at the Bozeman WRF. FY14: Project Feasibility Study. FY15: Project Engineering Design. FY16 Equipment Purchase and Installation

ALTERNATIVES CONSIDERED

Continue to flare our digester methane gas. Micro-turbines and fuel-cells have been analysed and continue to be possible alternative energy recovery technologies for this project. Our research to date suggests the most proven technology currently available to help us accomplish our energy recovery goals is likely to be a GE Jenbacher internal combustion engine and heat recovery system.

ADVANTAGES OF APPROVAL

Current plant waste gases will be captured and utilized to reduce plant operating costs. The project has an estimated net dollar savings of \$230,000 per year. It supports the City's Municipal Climate Action Plan goals.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Once construction is funded, this project results in an estimated net dollar SAVINGS of \$230,000/year.

FUNDING SOURCES

Wastewater Fund, other grants or community partners.

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WRF PLANT

**PROJECT NUMBER**  
**WW30**

PROJECT NAME  
REPLACE DIGESTER MIXERS

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$42,000					

**DESCRIPTION OF PROJECT**

The Bozeman WRF needs to replace two defective/failing digester mixers. This equipment is essential to the operation of the existing anaerobic digesters. These digesters contain a total of 4 draft tube mixers, two of which have already been replaced. Our plan would be to purchase one replacement mixer in FY13 and the final one in FY14. The new EIMCO draft tube mixers will replace the defective OTI mixers we are currently using. Our original OTI mixers have been plagued with multiple bearing failures, seal failures, oil lubrication system failures and almost constant propeller fouling. There are currently only two mixer manufacturers in the world that manufacture this type of draft tube mixer. Therefore, in order to replace these defective OTI mixers, we must order our replacement mixers from a sole source vendor. This vendor is EIMCO Technologies, in Salt Lake City. They are the only manufacturer capable of fabricating a replacement mixer which will mount directly to our existing digester draft tubes. EIMCO model #RDT-V 7.5 Hp mixer assembly. Installed project cost for each: \$41,000.

**ALTERNATIVES CONSIDERED**

Continue to remove, disassemble and rebuild our defective mixers annually. This is not cost-effective and is not a sustainable option. The annual cost to rebuild one unit is approximately \$15,000 plus extensive staff time.

**ADVANTAGES OF APPROVAL**

Digester methane which is currently wasted will be captured and utilized to reduce plant operating costs. The project has an estimated net dollar savings of between \$180,000 and \$230,000 per year. This project fully supports the City's Municipal Climate Action Plan goals.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Once construction is funded, this project will result in an estimated net dollar SAVINGS of at least \$180,000 per year.

**FUNDING SOURCES**

Wastewater Fund, other grants or community partners.

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WRF PLANT

PROJECT NUMBER  
WW31

PROJECT NAME  
Replace Lift #1 Pump

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$19,000					

DESCRIPTION OF PROJECT

Replace one 30+ year old wastewater pump in Lift #1. These pumps are used to lift and return the overflow wastes from our Dissolved Air Floatation (DAF) tank back to the head of the plant for treatment. These old, obsolete pumps should be replaced with new, energy efficient submersible pumps.

ALTERNATIVES CONSIDERED

Continue to use the old, unreliable, high maintenance pumps currently in service

ADVANTAGES OF APPROVAL

The DAF is a critical system that is used to thicken waste activated sludge. New pumps for our DAF will greatly enhance the mechanical reliability of this system and increase operating efficiency

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None - new pumps will be more energy efficient and should lower operating costs.

FUNDING SOURCES

100% Wastewater Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WRF PLANT

PROJECT NUMBER  
WW32

PROJECT NAME  
WRF Fishing Access - Latrine

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$10,000					

DESCRIPTION OF PROJECT

The City has contractually agreed to install a latrine at the new FWP fishing access site located along the north property boundary of the Water Reclamation Facility. This new access site was built to provide the public with access to the East Gallatin River adjacent to the new WRF. This work was undertaken in conjunction with the recently completed upgrade to the WRF but no funding for the latrine was included in the original project.

ALTERNATIVES CONSIDERED

Delay the installation of this latrine.

ADVANTAGES OF APPROVAL

This latrine will enhance user-friendliness of the new FWP river access site.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None - FWP has agreed to fund the maintenance and operation of the latrine.

FUNDING SOURCES

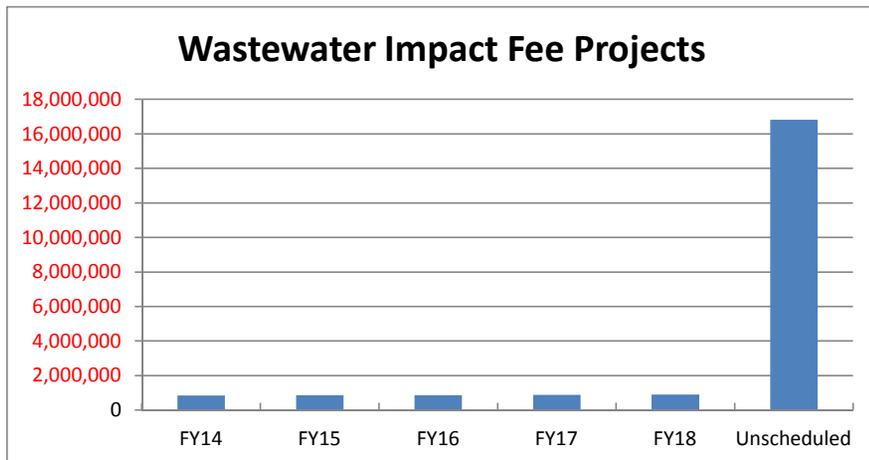
100% Wastewater Fund

## Wastewater Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 264,000	\$ 255,800	\$ 255,800	\$ 247,435	\$ 238,903	\$ 230,200	\$ -
Plus: Impact Fee Revenues Dedicated to CIP	\$ 820,000	\$ 836,482	\$ 844,847	\$ 861,744	\$ 878,979	\$ 896,558	\$ -
Less: Scheduled CIP Project Costs	\$ (828,200)	\$ (836,482)	\$ (853,212)	\$ (870,276)	\$ (887,681)	\$ (896,558)	\$ (16,812,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 255,800</b>	<b>\$ 255,800</b>	<b>\$ 247,435</b>	<b>\$ 238,903</b>	<b>\$ 230,200</b>	<b>\$ 230,200</b>	

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Wastewater Impact Fee Revenues	\$ 828,200	\$ 828,200	\$ 836,482	\$ 844,847	\$ 861,744	\$ 878,979
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 828,200	\$ 836,482	\$ 844,847	\$ 861,744	\$ 878,979	\$ 896,558
Current Revenues Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to Wastewater Capacity Expansion CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 828,200	\$ 836,482	\$ 844,847	\$ 861,744	\$ 878,979	\$ 896,558



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Impact Fees Wastewater	WWIF05	WWATER IF	HOSPITAL TRUNK LINE: HAGGERTY TO KAGY						\$1,062,000
	WWIF11	WWATER IF	REPLACE FRONT STREET: TAMARACK/ROUSE						\$1,800,000
	WWIF12	WWATER IF	GRAF STREET EXTENSION						\$50,000
	WWIF14	WWATER IF	WRF PHASE I DEBT RETIREMENT	\$536,482	\$653,212	\$870,276	\$887,681	\$896,558	\$600,000
	WWIF15	WWATER IF	FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN AND LIFT STATION	\$300,000	\$200,000				\$13,300,000

<i>Summary for Impact Fees Wastewater (5 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$836,482	\$853,212	\$870,276	\$887,681	\$896,558	\$16,812,000

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

PROJECT NUMBER
WWIF05

PROJECT NAME						
HOSPITAL TRUNK LINE: HAGGERTY TO KAGY						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$1,062,000

DESCRIPTION OF PROJECT
Construct ~7,900 LF of 12" and 15" sewer collector from manhole C0507 to 1E22.

**ALTERNATIVES CONSIDERED**

Limit future development in the area.

**ADVANTAGES OF APPROVAL**

If constructed to the line sizes master planned in the City's Wastewater Facilities plan, capacity will be provided for anticipating the long-term future growth in this area.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Impact fees can not fund operating and maintenance costs. The city's wastewater utility will pay for these costs, which are estimated to be a small increment of the city's system as a whole.

**FUNDING SOURCES**

70% Wastewater Impact Fees = \$743,400 30% Developer Contribution = \$318,600

Impact Fee Funds Project and Equipment Scoring		TOTAL SCORE:	27
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		2
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

PROJECT NUMBER  
WWIFI I

PROJECT NAME  
REPLACE FRONT STREET: TAMARACK/ROUSE

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$1,800,000

**DESCRIPTION OF PROJECT**

This project consists of construction of ~11,000 LF 18", 21" & 24" sewer pipe from manhole F0330 to C0507. The lower portion of the existing sewer is at capacity. Additional capacity is needed to serve the future Bozeman Deaconess Hospital development and lands to the south. It is estimated that 70% of this project costs will be due to capacity expansion and will be eligible for Wastewater Impact Fees. The remaining 30% of the project costs will need to be provided by a developer contribution or other source. At this time, the City's Wastewater Utility does not have a need to replace the existing facility; as such, no utility dollars are scheduled to be spent.

**ALTERNATIVES CONSIDERED**

Limit development to only that capacity of the existing sewer.

**ADVANTAGES OF APPROVAL**

This project will significantly increase the service area and capacity of the trunk sewer.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual Operating and Maintenance Costs: Impact fees can not fund operating and maintenance costs. The city's wastewater utility will pay for these costs, which are estimated to be a small increment of the city's system as a whole.

**FUNDING SOURCES**

70% Wastewater Impact Fees = \$1,260,000    30% Developer Contribution = \$540,000

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>27</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	2	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

<b>PROJECT NUMBER</b>
<b>WWIF12</b>

<b>PROJECT NAME</b>						
GRAF STREET EXTENSION						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$50,000

<b>DESCRIPTION OF PROJECT</b>
This project is to extend Wastewater Mains below Graf Street approximately ¼ mile in order to connect infrastructure east from 19th Avenue. This is an important connection for public safety purposes – allowing fire service to meet their response time requirements in areas where they currently cannot. The Wastewater infrastructure should be installed at the same time the street connection is made.

**ALTERNATIVES CONSIDERED**

Do nothing and wait for development to connect the infrastructure.

**ADVANTAGES OF APPROVAL**

Improved traffic flow and better emergency response to the local area.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

**FUNDING SOURCES**

100% Wastewater Impact Fee – to be recovered by developer payback.

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>35</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

<b>PROJECT NUMBER</b>
<b>WWIF14</b>

<b>PROJECT NAME</b>
WRF PHASE I DEBT RETIREMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$536,482	\$653,212	\$870,276	\$887,681.00	\$896,558	\$600,000

<b>DESCRIPTION OF PROJECT</b>
Total adjusted project price for the Water Reclamation Facility (WRF) construction of phase one is estimated at \$53.8 Million. Of that amount, \$17.9 Million is for capacity expanding costs of construction. The impact fee account will not have enough cash on hand to pay the costs of construction when the facility is built. As such, impact fee revenues will be dedicated to pay the outstanding debt in future years, as fee revenues are collected. At this point, approximately \$4.87 Million of impact fee eligible costs will be paid with a long-term loan (20 years, 3.75%) through the State's Revolving Loan Fund. A debt schedule will be updated semi-annually with the amount of impact fee dollars that have been dedicated to debt payments until the full amount owed is paid.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Major capital expansion of the Bozeman WRF will enable the City to meet its ever growing demand for wastewater services and still produce a high quality effluent that is in full compliance with the City's MPDES discharge permit. Expansion of the Bozeman WRF is consistent with the City's long-term need to accommodate rapid growth and economic development in the Gallatin Valley.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

\*We anticipate having a minimum of \$13.1 Million available from Impact Fees through the end of the construction period. Impact fee collections during the construction period will be dedicated to the project. The remainder of eligible construction costs would be dedicated to debt service on the Utility Revenue Bonds, as it is collected in the Impact Fee Fund.

<b>Impact Fee Funds Project and Equipment Scoring</b>	<b>TOTAL SCORE:</b>	<b>50</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	10

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

<b>PROJECT NUMBER</b>
<b>WWIF15</b>

<b>PROJECT NAME</b>
FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN AND LIFT STATION

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$300,000	\$200,000				\$13,300,000

<b>DESCRIPTION OF PROJECT</b>
This project consists of the installation of large diameter sewer from Huffine Lane to the City Water Reclamation Facility along the Cottonwood-Flanders Mill- Hidden Valley alignment as identified in the Wastewater Facility Plan. It also includes a Regional Lift Station located at the north of the alignment and the installation of the force-main necessary to complete the project.

**ALTERNATIVES CONSIDERED**

Limit development in the area served by this trunk sewer to that which can currently be served.

**ADVANTAGES OF APPROVAL**

This project will significantly increase the area which can be served by the City’s wastewater treatment infrastructure making development in this corridor possible.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Annual operating and maintenance costs. Impact fees may not be used to finance those costs. The City’s wastewater utility will pay for these costs which are estimated to be a small increment of the City’s system as a whole.

**FUNDING SOURCES**

70% Wastewater Impact Fees (est.) = \$9.3M 30% Development contribution = \$4M

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 30**

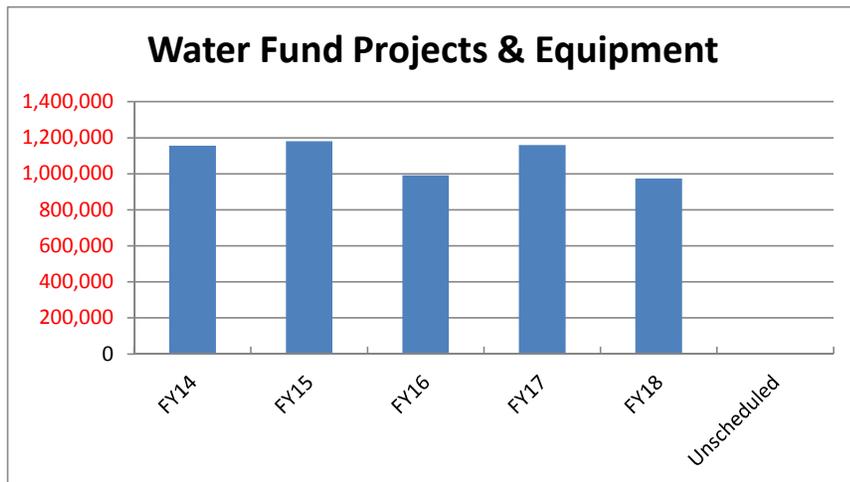
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

**Water Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 3,375,761	\$ 2,418,979	\$ 3,002,022	\$ 3,639,796	\$ 4,547,666	\$ 5,373,316	\$ -
Plus: Water Revenues Dedicated to CIP	\$ 1,664,792	\$ 1,739,708	\$ 1,817,995	\$ 1,899,804	\$ 1,985,296	\$ 2,064,707	\$ -
Plus: WTP Loan Proceeds	\$ 8,500,000						
Less: Scheduled CIP Project Costs	\$ (11,121,574)	\$ (1,156,665)	\$ (1,180,220)	\$ (991,935)	\$ (1,159,645)	\$ (974,950)	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 2,418,979</b>	<b>\$ 3,002,022</b>	<b>\$ 3,639,796</b>	<b>\$ 4,547,666</b>	<b>\$ 5,373,316</b>	<b>\$ 6,463,074</b>	<b>\$ -</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Water Revenues	\$ 6,372,410	\$ 6,659,168	\$ 6,958,831	\$ 7,271,978	\$ 7,599,217	\$ 7,941,182
Estimated Annual Increase	4.5%	4.5%	4.5%	4.5%	4.5%	4%
Total Estimated Revenues	\$ 6,659,168	\$ 6,958,831	\$ 7,271,978	\$ 7,599,217	\$ 7,941,182	\$ 8,258,830
Current Revenues Dedicated to CIP %	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,664,792	\$ 1,739,708	\$ 1,817,995	\$ 1,899,804	\$ 1,985,296	\$ 2,064,707



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Water Fund									
	PW01	WATER OPS	SHOPS FACILITY EXPANSION PLAN		\$10,000				
	W03	WATER OPS	ENGINEERING/DESIGN FOR ANNUAL WATER PIPE REPLACEMENT PROGRAM	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	
	W04-14	WATER OPS	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2014	\$974,165					
	W04-15	WATER OPS	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2015		\$1,147,720				
	W04-16	WATER OPS	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2016			\$969,435			
	W04-17	WATER OPS	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2017				\$1,097,145		
	W04-18	WATER OPS	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2018					\$952,450	
	W24	WATER OPS	FIXED BASE METER READ SYSTEM	\$60,000					
	W26	WATER OPS	INTERNAL PIPELINE ASSESSMENT OF THE SOURDOUGH 30" CONCRETE CYLINDER TREATED WATER MAIN	\$50,000					
	W25	WATER PLANT	REPLACEMENT VEHICLE				\$40,000		
	W27	WATER PLANT	RE-ENGINEERING THE LYMAN TANK LINER	\$50,000					

<i>Summary for Water Fund (11 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$1,156,665	\$1,180,220	\$991,935	\$1,159,645	\$974,950	

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

PROJECT NUMBER  
PW01

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$10,000				

DESCRIPTION OF PROJECT

The construction of the new Vehicle Maintenance Shop at the Lower Yards on Rouse Avenue in FY10/FY11 was Phase I in expanding and improving our ability to service equipment, store vehicles, and provide work space for Public Works, Parks, and Facility services. Questions remain about the long-term plan for construction, location, and expansion for: Streets, Sign & Signal, Forestry, Water/Sewer Operations, Solid Waste Collection & Recycling, Facilities, and Parks & Cemetery departments. This project would develop a master plan. In scheduling this project, we are recommending waiting until after the Vehicle Maintenance Division is relocated to its new shop and the interior improvements are made to the Shop at Rouse and Tamarack Street for the remaining divisions.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

From related divisions: General Fund 20% (\$10,000), Water Fund 20% (\$10,000), Wastewater Fund 20% (\$10,000), Street Maintenance Fund 20% (\$10,000), Solid Waste Fund 20% (\$10,000).

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W03**

PROJECT NAME  
ENGINEERING/DESIGN for ANNUAL WATER PIPE REPLACEMENT PROGRAM

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	

DESCRIPTION OF PROJECT

This item provides for design work to be completed every year, in anticipation of the Annual System Upgrades. As the Water Operations Division operates the existing system, maintenance projects become apparent. Given our knowledge of system conditions today, the following projects are candidates for design funding and were identified in the Facility Plan: 1. Koch: Lindley to Bozeman, 2. Lindley: Olive to Koch, 3. S. Bozeman: Olive to Story As annual operations occur, other more-urgent projects may be identified and designed under this project heading.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the design of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W04-14**

PROJECT NAME  
WATER PIPE REPLACEMENT PROGRAM - Construction in 2014

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$974,165					

DESCRIPTION OF PROJECT

PROJECT AREA: N. Montana Ave: E. Lamme St - E. Peach St N. Montana Ave: E. Tamarack St - S. 34' N. Montana Ave: E. Peach St - E. Tamarack St. The timing of these projects is based on our need to mill-overlay N. Montana Ave. Dell Place: Alderson Ct - E. Story St. The water pipe segment of E. Story St: S. Tracy Ave - S. Church Ave will also be completed this year, in combination with REC04- Story Street Reconstruction (\$380,000 of this project total is for the E. Story water pipe). After budget approval July 1, 2013, these projects would complete design, bid and begin construction in the Spring/Summer of 2014, at the end of FY14.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W04-15**

PROJECT NAME  
WATER PIPE REPLACEMENT PROGRAM - Construction in 2015

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
	\$1,147,720				

DESCRIPTION OF PROJECT

PROJECT AREA: S. Grand Ave: W. Garfield St - W. College St S. Grand Ave: W College St - W. Main St. N. Rouse Ave: Bond - Griffin (needs to be completed prior to MDOT Rouse project.) The timing of this project is critical to our need to mill-overlay S. Grand Ave. After budget approval July 1, 2014, these projects would complete design, bid and begin construction in the Spring/Summer of 2015, at the end of FY15.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W04-16**

PROJECT NAME  
WATER PIPE REPLACEMENT PROGRAM - Construction in 2016

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
		\$969,435			

DESCRIPTION OF PROJECT

PROJECT AREA: S. Tracy Ave: W. Garfield St - E. Story St N. Willson Ave: W. Lamme St - W. Short St W. Babcock St: S. 10th Ave - S. 8th Ave N. Montana Ave: E. Tamarack St - N End of Existing. After budget approval July 1, 2015, this project would complete design, bid and begin construction in the Spring/Summer of 2016, at the end of FY16.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W04-17</b>

<b>PROJECT NAME</b>						
WATER PIPE REPLACEMENT PROGRAM - Construction in 2017						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$1,097,145		

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

PROJECT AREA: W Olive St: S. 5th Ave - S. 3rd Ave W. Olive St: S. 6th Ave - S. 5th Ave N. Grand Ave: W. Lamme St - W. Peach St N. 5th Ave: W. Aspen St - W. Tamarack St S. 3rd Ave: W. Harrison Ave - W. Curtiss St. After budget approval July 1, 2016, this project would complete design, bid and begin construction in the Spring/Summer of 2017, at the end of FY17.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W04-18</b>

<b>PROJECT NAME</b>						
WATER PIPE REPLACEMENT PROGRAM - Construction in 2018						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
				\$952,450	

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

PROJECT AREA: S 6th Ave: W. Harrison Ave- W Olive St: W. Koch St: S Grand Ave.- S. Willson Ave: S. Willson Ave.: W. College St- W. Koch St. After budget approval July 1, 2017, this project would complete design, bid and begin construction in the Spring/Summer of 2018, at the end of FY18.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

PROJECT NUMBER  
W24

PROJECT NAME  
Fixed Base Meter Read System

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$60,000					

DESCRIPTION OF PROJECT

This system will consist of fixed radio receivers that are placed on city structures throughout town. The meters that are currently in place constantly transmit meter read data, instead of driving once a month around the city collecting reads, the receivers will automatically collect the data daily and transmit that either through the intranet or cell phone modems to finance and the city shops. We plan on deploying the receivers starting in FY 13, with completion in FY14. Radio studies have the number of receivers at 14 but our vendor states with a new model of receiver coming out next year that number should go below 10.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Allows daily readings of the water meters and will allow staff to quickly respond to potential water leaks, meter tampering and backflow events. Will eliminate driving in the areas that are being read by the fixed base units. This will allow us to contact customers at the start of a leak event and save both money and water.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER PLANT

**PROJECT NUMBER**  
**W25**

PROJECT NAME  
Replacement Vehicle

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
			\$40,000		

DESCRIPTION OF PROJECT

Replacement 4-wheel Drive 1/2 Ton pick-up, replaces 1997 3/4 ton pick-up that currently has 97,400 miles

**ALTERNATIVES CONSIDERED**

Keep existing unit in service

**ADVANTAGES OF APPROVAL**

More reliable, more fuel efficient vehicle

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

none

**FUNDING SOURCES**

Water Rates

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W26</b>

<b>PROJECT NAME</b>						
Internal pipeline assessment of the Sourdough 30" concrete cylinder treated water main						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$50,000					

<b>DESCRIPTION OF PROJECT</b>
-------------------------------

This project will involve insertion of electronic sensors that will evaluate the condition of the pipe internally. Installed primarily in 1983, this is the only treated water feed from the Sourdough Plant, so it important to know the condition of the pipe. This pipe has failed once before causing voluntary rationing of water, in November 2003.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Advantages to the City include giving us assessment data of the integrity of the pipe from the inside.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER PLANT

<b>PROJECT NUMBER</b>
<b>W27</b>

PROJECT NAME						
RE-ENGINEERING THE LYMAN TANK LINER						

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$50,000					

DESCRIPTION OF PROJECT
------------------------

This project would fund the engineering work to make improvements to the Lyman Water Tank liner.

**ALTERNATIVES CONSIDERED**

Keep existing liner as-is.

**ADVANTAGES OF APPROVAL**

It is anticipated that engineering could assist in making improvements to this liner.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Not known.

**FUNDING SOURCES**

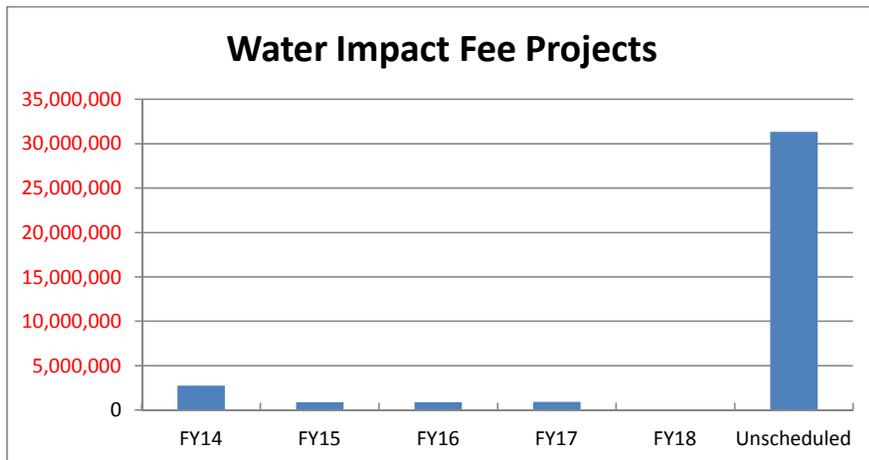
100% Water Fund

## Water Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY13	FY14	FY15	FY16	FY17	FY18	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 5,000,000	\$ 2,774,710	\$ 882,915	\$ 865,573	\$ 847,885	\$ 829,842	\$ -
Plus: Impact Fee Revenues Dedicated to CIP	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115	\$ 920,158	\$ -
Less: Scheduled CIP Project Costs	\$ (3,075,290)	\$ (2,750,295)	\$ (884,427)	\$ (902,115)	\$ (920,158)	\$ -	\$ (31,330,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 2,774,710</b>	<b>\$ 882,915</b>	<b>\$ 865,573</b>	<b>\$ 847,885</b>	<b>\$ 829,842</b>	<b>\$ 1,750,000</b>	

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY14	FY15	FY16	FY17	FY18
Estimated Annual Water Impact Fee Revenues	\$ 850,000	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115	\$ 920,158
Current Revenues Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to Water Capacity Expansion CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115	\$ 920,158



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY14	FY15	FY16	FY17	FY18	Unscheduled
Impact Fees Water									
	WIF03	WATER IF	5.3MG CONCRETE WATER STORAGE RESERVOIR						\$5,300,000
	WIF05	WATER IF	WEST WATER TRANSMISSION MAIN LOOP						\$21,680,000
	WIF07	WATER IF	GRAF STREET EXTENSION						\$150,000
	WIF08	WATER IF	WATER TREATMENT PLANT DEBT SERVICE PAYMENT	\$2,750,295	\$884,427	\$902,115	\$920,158		
	WIF09	WATER IF	COTTONWOOD/STUCKY TRUNK MAIN LOOP						\$4,200,000

<i>Summary for Impact Fees Water (5 items)</i>				<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$2,750,295	\$884,427	\$902,115	\$920,158		\$31,330,000

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER
WIF03

PROJECT NAME
5.3MG CONCRETE WATER STORAGE RESERVOIR

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$5,300,000

DESCRIPTION OF PROJECT
<p>According to the 2007 Water Facility Plan, a new 5.3MG partially buried concrete water storage reservoir was to be constructed by 2017. Given the recent slow-down in growth, we anticipate needing the tank some time after 2017. The proposed location of the reservoir is on City property adjacent (to the North) of the proposed new Hyalite/Sourdough water treatment plant. This reservoir is sized to meet the City's storage needs up to 2025, assuming a 5% annual growth rate. Locating the storage reservoir at the recommended site will raise the hydraulic grade line in the City's water system, which will increase pressure for the southern part of the City and will allow future development to occur in the south on a gravity system.</p>

**ALTERNATIVES CONSIDERED**

The water facility plan reviewed numerous options. This is the preferred alternative of the adopted plan.

**ADVANTAGES OF APPROVAL**

Increased water storage to meet the needs of our growth community, and the requirement of MDEQ. Increased system water pressure in the southern part of the City.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Requires minimal operation and maintenance. Checking of valves, level sensors and vents on an annual basis and diver inspection and vacuuming every five years. Estimated at \$4,000 annually.

**FUNDING SOURCES**

100% Water Impact Fees

Impact Fee Funds Project and Equipment Scoring		TOTAL SCORE:	28
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		3
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		0

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER  
WIF05

PROJECT NAME

West Water Transmission Main Loop

- New
- Replacement
- Equipment
- Project

FY14

FY15

FY16

FY17

FY18

Unscheduled  
\$21,680,000

DESCRIPTION OF PROJECT

The Water Facility Plan identifies this project as the most critical redundancy issue in the City's water distribution system. 4,525 N/A 12" Install New 12" \$ 911,335 2,636 N/A 24" Install New 24" \$ 1,101,716 5,154 N/A 36" Install New 36" \$ 3,481,785 17,093 N/A 48" Install New 48" \$16,187,712 Total Project Cost \$21,682,548 The precise location of the required mains is somewhat flexible, but in general will be from Wagonwheel road (extended) in S. 19th to Goldenstein to South 3rd to Nash Road (see exhibit 5.B.3 of the facility plan). Given the priority of the Water Treatment Plant project, the City is not currently planning to complete these projects.

ALTERNATIVES CONSIDERED

Do not build redundant transmission main.

ADVANTAGES OF APPROVAL

The city will be assured that water can be supplied even if one transmission main sustains damage and is offline for a number of days. The City receives the majority of its water from the Water Treatment Plant through an existing 30 inch concrete transmission main. If this main is off-line for any reason, the City will need to rely on storage from its three reservoirs. At 2005 water demand levels, storage reserves would be depleted in three days during the average day demand, and in 24 hours during the maximum day demand. Not only will a second transmission main provide the security of redundancy if the existing 30-inch

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Impact Fees can not be spent on annual operations and maintenance costs. The Water Utility will see incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

Impact Fee eligible portions are related to improvement costs beyond an 8" line capacity. At this point in time, it is estimated that the 12" and 24" lines are most likely to be built within the next 5 years; the cost of over-sizing those lines would be eligible for impact fees and is estimated to total \$1,874,886. Given the priority of the Water Treatment Plant project, it's relative size and scope, these improvements have been moved to "unscheduled."

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

10

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	5
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	0
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER  
WIF07

PROJECT NAME  
GRAF STREET EXTENSION

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$150,000

DESCRIPTION OF PROJECT

This project is to extend Water Mains below Graf Street approximately ¼ mile in order to connect infrastructure east from 19th Avenue. This is an important connection for public safety purposes – allowing fire service to meet their response time requirements in areas where they currently cannot. The Water infrastructure should be installed at the same time the street connection is made.

ALTERNATIVES CONSIDERED

Do nothing and wait for development to connect the infrastructure.

ADVANTAGES OF APPROVAL

Improved traffic flow and better emergency response to the local area.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Impact Fee – to be recovered by developer payback.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 35

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER
WIF08

PROJECT NAME
WATER TREATMENT PLANT DEBT SERVICE PAYMENT

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
\$2,750,295	\$884,427	\$902,115	\$920,158		

DESCRIPTION OF PROJECT
Total adjusted project price for the Water Treatment Plant (WTP) construction of phase one is estimated at \$40.7 Million. Of that amount, \$13.3 Million is for capacity expanding costs of construction. The impact fee account will not have enough cash on hand to pay the costs of construction when the facility is built. As such, impact fee revenues will be dedicated to pay the outstanding debt in future years, as fee revenues are collected. At this point, approximately \$5 Million of impact fee eligible costs will be paid with a long-term loan (20 years, 4%) through the State's Revolving Loan Fund. A debt schedule will be updated semi-annually with the amount of impact fee dollars that have been dedicated to debt payments until the full amount owed is paid.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Major capital expansion of the Bozeman Water Treatment Plant (WTP) will enable the City to meet its ever growing demand for water services. Expansion of the Bozeman WTP is consistent with the City's long-term need to accommodate growth and economic development in the Gallatin Valley.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

FY08 Pilot Testing: \$200,000. FY09, FY10, FY11 Design and Membrane equipment deposit, construction \$7,267,000. FY12 \$16,460,000. FY13 \$16,460,000. Of this total, approximately 33% is eligible for payment via impact fees.

Impact Fee Funds Project and Equipment Scoring	TOTAL SCORE:	50
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	10

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER  
WIF09

PROJECT NAME  
COTTONWOOD/STUCKY TRUNK MAIN LOOP

- New
- Replacement
- Equipment
- Project

FY14	FY15	FY16	FY17	FY18	Unscheduled
					\$4,200,000

DESCRIPTION OF PROJECT

Installation of a trunk water main loop from the intersection of Cottonwood and Huffine Lane south to Stucky Road then east to South 19th Avenue.

**ALTERNATIVES CONSIDERED**

Postpone installation to some future time. It is unlikely that such an ambitious and expensive project could or would be installed by the concerted effort of private developers. Even if that were to happen, the City would be asked to participate in the oversizing of these mains, all of which exceed the local 8” diameter requirement.

**ADVANTAGES OF APPROVAL**

Provides the water main backbone which will support future growth in a large area of the City.

**ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED**

Incremental increase in the cost of operation and maintenance

**FUNDING SOURCES**

Impact fees, developer contribution for local equivalent share.

<b>Impact Fee Funds Project and Equipment Scoring</b>			<b>TOTAL SCORE:</b>	<b>45</b>
<input type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)		20	
<input type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)		10	
<input type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)		10	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)		5	