

Fiscal Years 2015-
2019

Capital Improvements Program



City of Bozeman,
Montana

City of Bozeman, Montana

Adopted

Capital Improvements Program

For Fiscal Years 2015-2019

Presented And Adopted During Public Meetings held

Nov – Dec 2013 and January 2014

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 of \$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 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 indentified 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.	
TOTAL	Up to 70 pts.		

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 to 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> MCA 7-6-1602(e)	<input type="checkbox"/>
2. REQUIRED	Yes/No	Useful Life of 10 Years or more. MCA 7-6-1601(1)(a)	<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>20 – Project facilitates development of numerous city properties, or potential city properties, in the immediate or near future (1-2 Years.)</p> <p>10 – Project facilitates development of numerous properties in 3-5 Years, or immediate development of a small area of property.</p> <p>5 – Project will likely facilitates development within 5-10 Years.</p> <p>0 – 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>10 – Direct Benefit to all system users, or Provides a “final link” in a piece of existing system infrastructure.</p> <p>5 – Direct benefit to roughly half, or indirect benefit to all system users.</p> <p>2 – 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>10 – Certain. No other funding options are available and/or All other required project funding is ready-to-proceed.</p> <p>5 – Uncertain. Project is dependent on a mix of other funding sources that are not ready-to-proceed.</p> <p>0 – Extremely Uncertain or Unlikely. Elements of Funding are deemed very unworkable or unlikely.</p>	
7. Commission Work Plan	Up to 10 pts	<p>10 – Identified project in Adopted Commission Work Plan</p> <p>5 – Contributes to an indentified project in the Adopted Commission Work Plan.</p> <p>0 – Not identified in Adopted Commission Work Plan.</p>	
TOTAL	Up to 50 pts.		

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
- 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 city residents. 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.

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 to 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 FY15-FY 19 Plan:

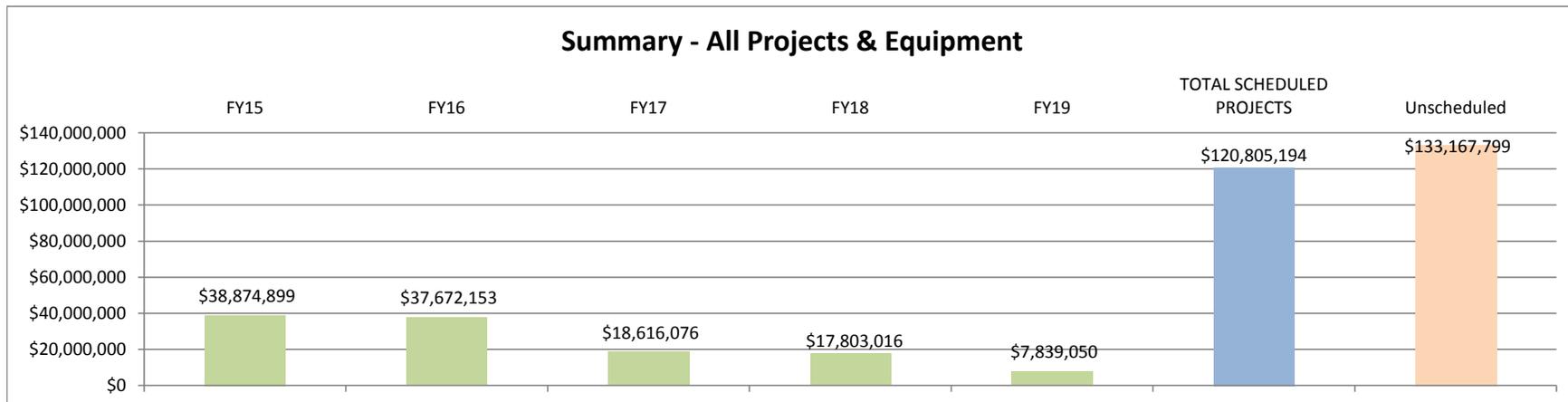
1. Recreation & Aquatics Feasibility Study: The City is currently underway with a Recreation and Aquatics Feasibility Study. The Study will inform how we move forward with the following listed CIP Items: GF055 – Bogert Gutter & Shell, GF117 – Bogert Pool Heater, GF183 – Bogert Pool Bath House Renovation/Reconstruction, 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 Open 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. Amended
Capital Improvement Plan**

	Scheduled Projects					TOTAL SCHEDULED PROJECTS	Unscheduled
	FY15	FY16	FY17	FY18	FY19		
Building Inspection Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
CTEP - Community Transportation	\$ 226,690	\$ 98,000	\$ -	\$ -	\$ -	\$ 324,690	\$ -
Curb Replacements	\$ 375,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ 1,075,000	\$ -
Fire Equipment & Capital Replacement	\$ 37,000	\$ 35,000	\$ 185,000	\$ 309,500	\$ 1,540,000	\$ 2,106,500	\$ 160,000
Fire Impact Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,369,699
General Fund	\$ 21,040,900	\$ 13,251,500	\$ 1,275,500	\$ 721,000	\$ 1,152,000	\$ 37,440,900	\$ 8,961,800
Library Depreciation	\$ 33,600	\$ 30,000	\$ 35,000	\$ -	\$ -	\$ 98,600	\$ -
Parks & Trails Bond Fund	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ -	\$ 12,000,000	\$ -
Solid Waste Collection & Recycling	\$ 218,043	\$ 660,000	\$ 405,000	\$ 430,000	\$ 290,000	\$ 2,003,043	\$ -
Storm Water Utility	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ 1,139,300
Street Impact Fee	\$ 7,029,000	\$ 1,550,000	\$ 3,100,000	\$ 8,350,000	\$ 850,000	\$ 20,879,000	\$ 27,575,000
Street Maintenance District	\$ 385,000	\$ 291,000	\$ 385,000	\$ 495,000	\$ 225,000	\$ 1,781,000	\$ 525,000
Street Reconstruction	\$ 525,000	\$ 850,000	\$ -	\$ -	\$ -	\$ 1,375,000	\$ 3,370,000
Forestry	\$ 67,492	\$ -	\$ -	\$ -	\$ 26,000	\$ 93,492	\$ -
Wastewater Fund	\$ 1,590,500	\$ 1,261,200	\$ 1,300,700	\$ 1,085,850	\$ 1,810,050	\$ 7,048,300	\$ 8,000,000
Wastewater Impact Fee	\$ 853,212	\$ 14,170,276	\$ 1,353,116	\$ 1,066,558	\$ 1,085,000	\$ 18,528,162	\$ 3,862,000
Water Fund	\$ 2,275,220	\$ 1,041,935	\$ 1,224,645	\$ 1,424,950	\$ 861,000	\$ 6,827,750	\$ 50,000,000
Water Impact Fee	\$ 1,108,242	\$ 1,083,242	\$ 6,002,115	\$ 920,158	\$ -	\$ 9,113,757	\$ 25,880,000
Total	\$ 38,874,899	\$ 37,672,153	\$ 18,616,076	\$ 17,803,016	\$ 7,839,050	\$ 120,805,194	\$ 133,167,799

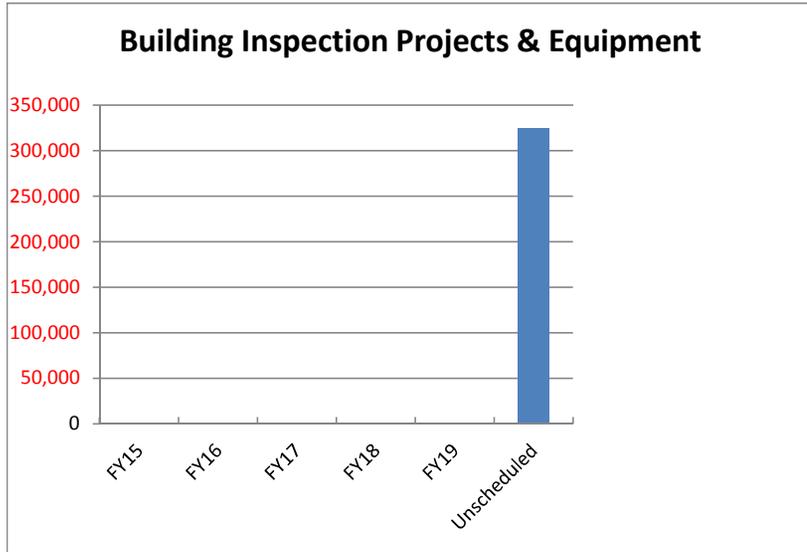


**Building Inspection Fund
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 160,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	
Plus: Building Inspection Revenues Dedicated to CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less: Scheduled CIP Project Costs	\$ (100,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (325,000)
Projected Year-End Cash Dedicated to CIP	\$ 60,000						

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Building Inspection Revenues	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700
Estimated Growth in Revenues	-	0%	0%	0%	0%	0%
Total Estimated Revenues	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700	\$ 1,160,700
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 FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Building Inspection

BI01	BUILD. INSP.	STAFF VEHICLE - REPLACEMENTS							\$292,500
BI03	BUILD. INSP.	STAFF VEHICLE - ADDITION							\$32,500

<i>Summary for Building Inspection (2 items)</i>				<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>									\$325,000

Building Inspection Vehicles - Details

Project No.	Asset #	Make	Model Yr	Current Mileage	FY15	FY16	FY17	FY18	FY19	Unscheduled	Notes
BI01	3144	Jeep Liberty	2003	54,387						\$32,500	Beyond FY18
	3218	Grand Cherokee	2004	49,392						\$32,500	Beyond FY18
	3353	Jeep Liberty	2006	32,173						\$32,500	Beyond FY18
	3328	Dodge Durango	2006	58,682						\$32,500	Beyond FY18
	3354	Jeep Liberty	2006	44,360						\$32,500	Beyond FY18
	3405	Dodge Durango	2008	44,862						\$32,500	Beyond FY18
	3404	Dodge Durango	2008	17,587						\$32,500	Beyond FY18
	3329	Dodge Durango	2008	47,615						\$32,500	Beyond FY18
	3674	Jeep Patriot	2014	2,217						\$32,500	New in 2013.
Total By Year for Vehicle Replacements										\$292,500	

CIP Project Fund
Building Inspection

DEPARTMENT
BUILD. INSP.

PROJECT NUMBER
BI01

PROJECT NAME						
STAFF VEHICLE - REPLACEMENTS						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$292,500

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; generally, 150,000 miles/20 years before replacement of non-emergency vehicles. 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 5,000 miles per year. Vehicle Mileage updated October 2013.

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

CIP Project Fund
Building Inspection

DEPARTMENT
BUILD. INSP.

PROJECT NUMBER
BI03

PROJECT NAME
STAFF VEHICLE - ADDITION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

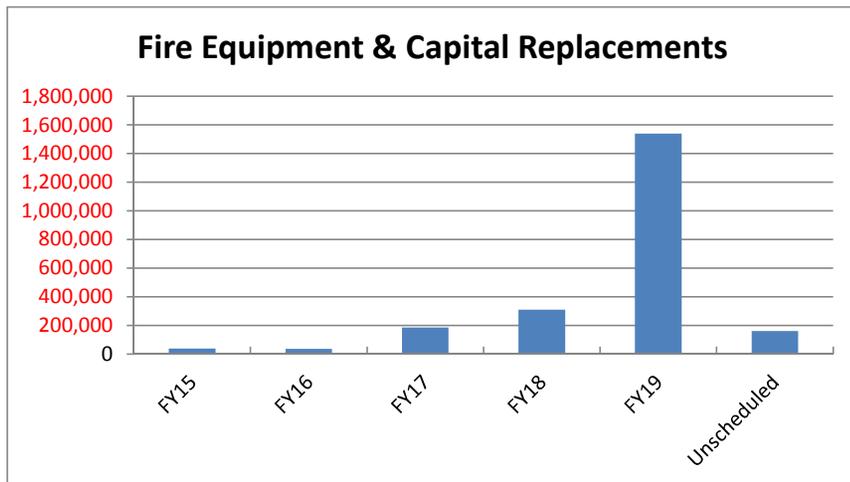
100% Building Inspection Fund

Fire Equipment & Capital Replacement Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 8,500	\$ (12,478)	\$ 296,877	\$ 615,160	\$ 790,508	\$ 848,563	
Plus: Dedicated Tax Revenues 4 Mills	\$ 339,564	\$ 346,355	\$ 353,282	\$ 360,348	\$ 367,555	\$ 374,906	\$ -
Plus: Anticipated Grant Revenue						\$ 800,000	
Less: Scheduled CIP Project Costs	\$ (360,542)	\$ (37,000)	\$ (35,000)	\$ (185,000)	\$ (309,500)	\$ (1,540,000)	\$ (160,000)
Projected Year-End Cash Dedicated to CIP	\$ (12,478)	\$ 296,877	\$ 615,160	\$ 790,508	\$ 848,563	\$ 483,469	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Tax Revenues	\$ 339,564	\$ 339,564	\$ 346,355	\$ 353,282	\$ 360,348	\$ 367,555
Estimated Annual Increase	-	2%	2%	2%	2%	2%
Total Estimated Revenues	\$ 339,564	\$ 346,355	\$ 353,282	\$ 360,348	\$ 367,555	\$ 374,906
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	\$ 339,564	\$ 346,355	\$ 353,282	\$ 360,348	\$ 367,555	\$ 374,906



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
Fire Equip & Capital Replacement									
	FE05	FIRE	DEFIBRILLATOR REPLACEMENT PROGRAM	\$37,000					
	FE06	FIRE	PORTABLE RADIO REPLACEMENT PROGRAM			\$150,000			
	FE07	FIRE	FIRE STAFF VEHICLE REPLACEMENTS		\$35,000	\$35,000			\$160,000
	FE08	FIRE	FIRE STATION #1 REMODEL					\$1,540,000	
	FE10	FIRE	SELF-CONTAINED BREATHING APPARATUS (SCBA) REPLACEMENTS				\$309,500		

<i>Summary for Fire Equip & Capital Replacement (5 items)</i>				<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$37,000	\$35,000	\$185,000	\$309,500	\$1,540,000	\$160,000

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Fire Equip & Capital Replacement

FIRE

FE05

PROJECT NAME

Defibrillator Replacement Program

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$37,000

DESCRIPTION OF PROJECT

<div>This project is to replace the defibrillator on the Engine in Station #2. Currently we are using a Lifepak 12 which has come to the end of its serviceable lifespan. 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. This device is part of providing a Advanced Life Support level of service to our customers. This project would replace one defibrillator next fiscal year. We have attempted to obtain this piece of equipment over the past couple of rounds of FIRE Act grants and have been unsuccessful.</div>

ALTERNATIVES CONSIDERED

Continuing to use our outdated equipment. Procuring grants to fund this equipment.

ADVANTAGES OF APPROVAL

Replacing this piece of equipment will ensure reliability for the foreseeable future. They will also help standardize our equipment as we have Lifepak 15's on our other apparatus. This is a critical lifesaving piece of equipment that will 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 this piece of equipment is a replacement piece, additional costs should be minimal.

FUNDING SOURCES

100% Fire Equipment and Capital Replacement Fund

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Fire Equip & Capital Replacement

FIRE

FE06

PROJECT NAME

Portable Radio Replacement Program

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$150,000

DESCRIPTION OF PROJECT

This plan allows for aging fire portable radios to be replaced, 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 unserviceable which could result in pushing the anticipated purchase date out a year or two.

ALTERNATIVES CONSIDERED

Replace radios as they fail. This ultimately results in a broad mix of different manufacture / make/ model radios in service and can ultimately result in higher long term maintenance costs.

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

PROJECT NUMBER
FE07

PROJECT NAME						
FIRE STAFF VEHICLE REPLACEMENTS						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$35,000	\$35,000			\$160,000

DESCRIPTION OF PROJECT

The Fire Department utilizes numerous vehicles for Department needs. As we continue to implement the Battalion Chief positions we are evaluating the needs of the command vehicles on this list. Several of the utility type vehicles and some of the command vehicles will be used for their serviceable life span and then ultimately not replaced. 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 Department Light Vehicle Replacements

Asset #	Unit #	Model Yr	Current Make/Features	Currently Assigned to	Current Mileage	Replacement	FY15	FY16	FY17	FY18	FY19	Unscheduled
2760	F5	2000	Chevy Tahoe	Training Officer	110,500	Replace with a 4x4, SUV style, mid-sized, code-capable (lights & sirens) vehicle.			\$35,000			
3247	F4	2004	Chevy Tahoe	Emergency Management Staff Captain	102,431	4x4, SUV style, mid-sized vehicle, with emergency lighting, radios, MDT.						\$40,000
3275	U4	2005	Ford F150	Plowing/Fire Investigations/Prevention Truck	40,735	Pickup with full-sized box, 4x4, tow capacity.						\$40,000
3363	U2	2007	Dodge Durango	Fire Marshall	26,607	4x4, SUV style, mid-sized vehicle.						\$40,000
3158	U3	2003	Chevy Silverado - Crew Cab	Utility Truck - Air Supply/Utility/Prevention	22,054	Pickup with full sized box, 4x4, tow capacity.						\$40,000
		2016	Mid-sized, SUV style, 4x4.	Fire Inspector Vehicle				\$35,000				
Totals								\$35,000	\$35,000			\$160,000

CIP Project Fund	DEPARTMENT					PROJECT NUMBER
Fire Equip & Capital Replacement	FIRE					FE08
PROJECT NAME						<input type="checkbox"/> New
FIRE STATION #1 REMODEL						<input checked="" type="checkbox"/> Replacement
FY15	FY16	FY17	FY18	FY19	Unscheduled	<input type="checkbox"/> Equipment
				\$1,540,000		<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. Also included in this project is a significant seismic upgrade to the entire structure, including the office area on the first floor. 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. As our 2007 station location and staffing study showed, the location of this station is ideal for the area it serves. We intend to remain here for the foreseeable future. We are proposing this remodel to improve the current living conditions, increase space for existing Firefighters and our new Battalion Chiefs and prepare for future increases in staffing as our community continues to grow.

ALTERNATIVES CONSIDERED

Continue with utilizing the existing station as is. Maintain facility as reasonably as possible.

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

Total Costs, including Boiler, is \$1.8 Million. Would be constructed concurrently with GF170 - Boiler Replacement at Fire Station #1.(estimated \$260,500.) Depending on features of the project,the Fire Equipment & Capital Replacement, potentially Impact Fees, and Federal Pre-Disaster Mitigation/Hazard Mitigation Grant program funds could all be used to pay for this project. Estimated \$800,000 in grant funds will be sought. **Costs estimates are dated August 2013.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Fire Equip & Capital Replacement

FIRE

FE10

PROJECT NAME

Self-Contained Breathing Apparatus (SCBA) Replacements

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$309,500

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 amount of 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

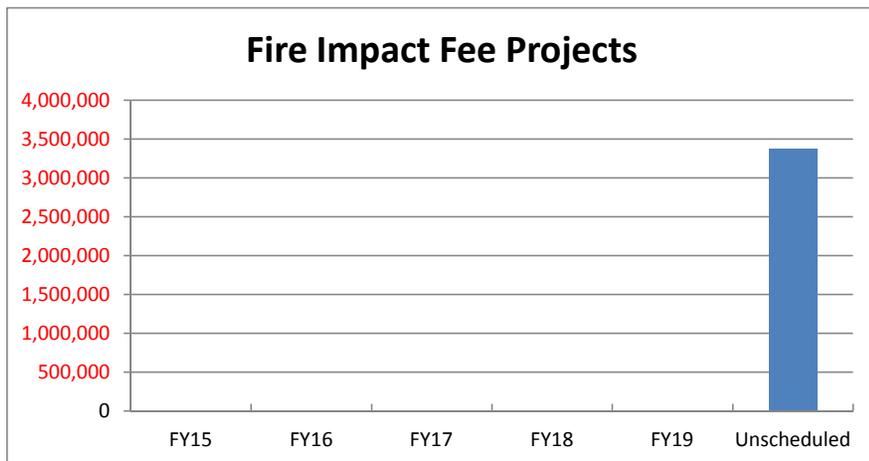
100% Fire Equipment & Capital Replacement Fund

Fire Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 168,025	\$ 358,025	\$ 617,329	\$ 881,820	\$ 1,151,600	\$ 1,426,776	\$ -
Plus: Impact Fee Revenues Dedicated to CIP	\$ 190,000	\$ 259,304	\$ 264,490	\$ 269,780	\$ 275,176	\$ 280,679	\$ -
Less: Scheduled CIP Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,369,699)
Projected Year-End Cash Dedicated to CIP	\$ 358,025	\$ 617,329	\$ 881,820	\$ 1,151,600	\$ 1,426,776	\$ 1,707,456	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Fire Impact Fee Revenues	\$ 190,000	\$ 254,220	\$ 259,304	\$ 264,490	\$ 269,780	\$ 275,176
Estimated Annual Increase	0.0%	2%	2%	2%	2%	2%
Total Estimated Revenues	\$ 190,000	\$ 259,304	\$ 264,490	\$ 269,780	\$ 275,176	\$ 280,679
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	\$ 259,304	\$ 264,490	\$ 269,780	\$ 275,176	\$ 280,679



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Impact Fees
Fire

FIF06	FIRE IF	FIRE STATION #4							\$3,900,000
FIF07	FIRE IF	FIRE ENGINE, STATION #4							\$600,000

<i>Summary for Impact Fees Fire (2 items)</i>				<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>									<i>\$4,500,000</i>

CIP Project Fund
Impact Fees Fire

DEPARTMENT
FIRE IF

PROJECT NUMBER
FIF06

PROJECT NAME
FIRE STATION #4

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$3,900,000

DESCRIPTION OF PROJECT

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.

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 (\$2,925,000), 25% other source (\$975,000.)

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

FY15	FY16	FY17	FY18	FY19	Unscheduled \$600,000
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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 (\$450,000), 25% other source (\$150,000).

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 30

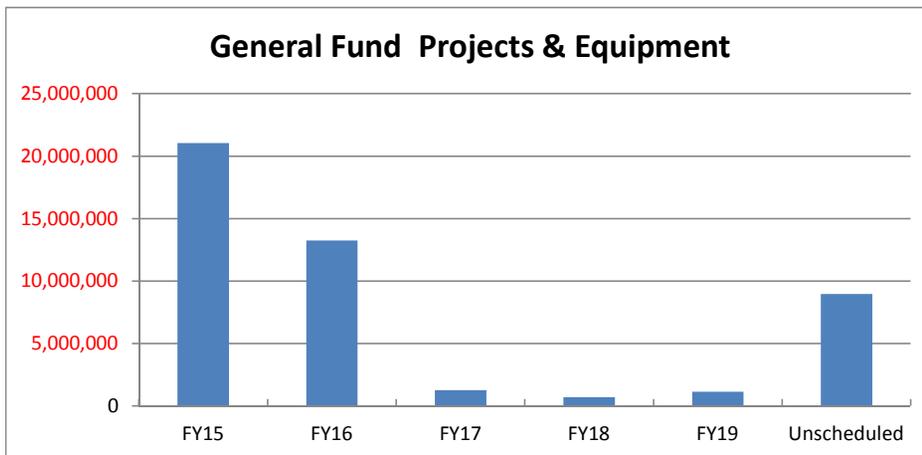
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	5
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (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
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Balance Dedicated to CIP	\$ 1,022,544	\$ -	\$ 549,395	\$ 1,215,173	\$ 1,876,124	\$ 3,110,939	
Plus: General Fund Revenues Dedicated to CIP	\$ 1,896,913	\$ 1,898,295	\$ 1,917,278	\$ 1,936,451	\$ 1,955,815	\$ 1,975,373	\$ -
Plus: Bond Issue: Police & Municipal Court Facility Bond		\$ 17,992,000					
Plus: Bond Issue: Indoor/Outdoor Aquatics Facility			\$ 12,000,000				
Plus: Loan for Landfill Gas Remediation System		\$ 1,700,000					
Less: Carry-over Capital Projects from FY13	\$ (1,022,544)						
Less: Scheduled CIP Project Costs	\$ (1,896,913)	\$ (21,040,900)	\$ (13,251,500)	\$ (1,275,500)	\$ (721,000)	\$ (1,152,000)	\$ (8,961,800)
Projected Year-End Cash Dedicated to CIP	\$ -	\$ 549,395	\$ 1,215,173	\$ 1,876,124	\$ 3,110,939	\$ 3,934,312	

Assumptions Made for Revenue Estimates:

	Projected				
	FY15	FY16	FY17	FY18	FY19
Estimated Annual General Fund Revenues	\$ 26,850,000	\$ 27,118,500	\$ 27,389,685	\$ 27,663,582	\$ 27,940,218
Estimated Growth in General Fund Revenues	1%	1%	1%	1%	1%
Total Estimated General Fund Revenues	\$ 27,118,500	\$ 27,389,685	\$ 27,663,582	\$ 27,940,218	\$ 28,219,620
Current Revenues Dedicated to CIP %	6.0%	7.0%	7.0%	7.0%	7.0%
Plus: Increase Dedicated to Capital Improvements %	1.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	7.0%	7.0%	7.0%	7.0%	7.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,898,295	\$ 1,917,278	\$ 1,936,451	\$ 1,955,815	\$ 1,975,373



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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General Fund

GF010	CEMETERY	CEMETERY MOWER REPLACEMENTS	\$16,000	\$16,000	\$16,000	\$17,000	\$18,000	
GF083	CEMETERY	BACKHOE						\$110,000
GF116	CEMETERY	CEMETERY VEHICLE REPLACEMENTS		\$42,500				
			\$16,000	\$58,500	\$16,000	\$17,000	\$18,000	\$110,000

General Fund

GF064	COMM. DEV.	VEHICLE REPLACEMENT				\$25,000		
						\$25,000		

General Fund

GF218	ENGINEERING	LANDFILL GAS REMEDIATION SYSTEM	\$1,700,000					
			\$1,700,000					

General Fund

GF001	FACILITY MGMT.	PROFESSIONAL BUILDING ELEVATOR REPLACEMENT						\$66,600
GF103	FACILITY MGMT.	AMERICAN'S WITH DISABILITIES ACT (ADA) COMPLIANCE IMPROVEMENTS	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	
GF104	FACILITY MGM	ENERGY UPGRADES	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
GF130	FACILITY MGM	CITY HALL SITE IMPROVEMENTS - PHASE 2			\$42,000			
GF139	FACILITY MGM	CITY HALL PHASE 3 SITE IMPROVEMENTS	\$47,250					
GF157	FACILITY MGM	SENIOR CENTER ELEVATOR		\$68,000				
GF170	FACILITY MGMT.	BOILER REPLACEMENT AT FIRE STATION #1					\$260,500	
GF171	FACILITY MGMT.	CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING	\$11,500					
GF186	FACILITY MGMT.	REPLACE ENTRANCE LOCKS AT THE PROFESSIONAL BUILDING WITH FOB UNITS.		\$12,000				
GF187	FACILITY MGMT.	REPLACE WORN SIDING ON THE BOZEMAN SENIOR SOCIAL CENTER	\$26,250					
GF188	FACILITY MGMT.	REPLACE BOILER AT BOZEMAN SENIOR CENTER	\$18,500					

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
	GF189	FACILITY MGMT.	REFINISH THE ROOF ON THE GREEN STORAGE BUILDING AT THE SHOP COMPLEX	\$39,900					
	GF198	FACILITY MGMT.	SENIOR SOCIAL CENTER FIRE SPRINKLER UPGRADES	\$17,000					
	GF199	FACILITY MGMT.	CARPET REPLACEMENT MAIN FLOOR PROFESSIONAL BUILDING	\$14,000					
	GF200	FACILITY MGMT.	BOZEMAN SENIOR CENTER RESTROOM VENTALATION	\$14,000					
	GF201	FACILITY MGM	FIRE STATION #2 SIDING REPLACEMENT	\$24,000					
	GF202	FACILITY MGMT.	INSTALL IRRIGATION SYSTEM AND COMPLETE SITE LANDSCAPING FOR THE LOWER YARD	\$15,500					
	GF203	FACILITY MGMT.	BOZEMAN SENIOR SOCIAL CENTER EXTERIOR ENVELOPE IMPROVEMENTS.	\$38,500					
	GF219	FACILITY MGMT.	ADDITION TO CITY HALL, CONSOLIDATION OF SERVICES.						\$5,500,000
				\$316,400	\$130,000	\$92,000	\$50,000	\$310,500	\$5,566,600
General Fund									
	GF162	FIRE	LIVE-FIRE TRAINING PROP	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	
				\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	
General Fund									
	GF062	I.T.	SERVER & PERSONAL COMPUTER (PC) REPLACEMENT	\$70,000	\$75,000	\$100,000	\$100,000	\$75,000	
	GF079	I.T.	NETWORK CORE SWITCHES	\$50,000					
	GF080	I.T.	REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
	GF196	I.T.	NEW COOLING UNIT FOR PROFESSIONAL BUILDING DATA CENTER	\$35,500					
	GF197	I.T.	MICROSOFT OFFICE VERSION UPGRADE TO OFFICE 2013	\$88,000					
				\$283,500	\$115,000	\$140,000	\$140,000	\$115,000	
General Fund									
City of Bozeman	GF030	PARKS	ARTICULATING TRACTOR	35	\$110,000				

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
	GF031	PARKS	PARK IMPROVEMENT GRANTS	\$100,000		\$150,000		\$150,000	
	GF034	PARKS	LARGE DECK MOWER		\$54,000		\$80,000		
	GF084	PARKS	PARKS RESTROOM UPGRADES					\$300,000	\$390,000
	GF092	PARKS	PLAYGROUND EQUIPMENT		\$60,000		\$70,000		\$50,000
	GF100	PARKS	TRACTOR WITH BUCKET	\$45,000					
	GF108	PARKS	PARK SIDEWALK REPLACEMENTS						\$182,000
	GF111	PARKS	EAST GALLATIN REC AREA IRRIGATION REPAIRS						\$25,000
	GF115	PARKS	PARK VEHICLE REPLACEMENTS	\$28,000		\$30,000		\$30,000	\$90,000
	GF144	PARKS	STORY MANSION & MANSION PARK SIDEWALKS						\$69,200
	GF146	PARKS	LINDLEY PARK IRRIGATION SYSTEM						\$100,000
	GF147	PARKS	SOFTBALL COMPLEX IRRIGATION SYSTEM						\$110,000
	GF148	PARKS	BMX PARKING LOT						\$85,000
	GF149	PARKS	EAST GALLATIN REC AREA PARKING LOT						\$60,000
	GF151	PARKS	BEALL PARK BASKETBALL COURTS						\$18,000
	GF190	PARKS	4-WHEELER ATV REPLACEMENT						\$14,000
	GF191	PARKS	UPGRADE OF SOFTBALL COMPLEX LIGHTING						\$825,000
	GF194	PARKS	PARK ENTRANCE SIGNS	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	
	GF195	PARKS	AERATOR						\$17,000
	GF205	PARKS	PROST PLAN UPDATE			\$100,000			
	GF206	PARKS	BRONKEN PARK SIDEWALK						
	GF207	PARKS	CITYWORKS HARDWARE	\$45,000					
	GF220	PARKS	BOZEMAN POND INFRASTRUCTURE & IMPROVEMENTS (TOP PROJECT)						
	GF221	PARKS	SPORTS COMPLEX INFRASTRUCTURE & IMPROVEMENTS (TOP PROJECT)						
				\$228,000	\$234,000	\$290,000	\$160,000	\$490,000	\$2,035,200

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
	PW01	PARKS/FAC. M	SHOPS FACILITY EXPANSION PLAN			\$12,000			
						\$12,000			
General Fund									
	GF051	POLICE	ANIMAL CONTROL VEHICLE		\$33,000				
	GF052	POLICE	UNMARKED VEHICLE REPLACEMENT PROGRAM	\$21,000		\$23,000			
	GF053	POLICE	POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT	\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	
	GF165	POLICE	PATROL MOTORCYCLE REPLACEMENTS	\$60,000					
	GF166	POLICE	PORTABLE RADIO REPLACEMENTS		\$48,000	\$49,500	\$51,000	\$52,500	\$50,000
				\$237,000	\$289,000	\$228,500	\$259,000	\$208,500	\$50,000
General Fund									
	GF050	POLICE/COURT	POLICE & MUNICIPAL COURT FACILITY	17,992,000					
				17,992,000					
General Fund									
	GF065	PUBLIC SERVICE	AERIAL PHOTOGRAPHY	\$60,000			\$60,000		
	GF208	PUBLIC SERVICE	ASSET MANAGEMENT SOFTWARE			\$50,000			
				\$60,000		\$50,000	\$60,000		
General Fund									
	GF056	RECREATION	DESIGN & CONSTRUCT INDOOR/OUTDOOR FAMILY AQUATICS CENTER		\$12,000,000				
	GF137	RECREATION	SWIM CENTER POOL FILTRATION SYSTEM	\$135,000					
	GF140	RECREATION	LINDLEY CENTER PARKING LOT RENOVATION			\$47,000			
	GF142	RECREATION	SWIM CENTER POOL GUTTER & EDGE TILES, POOL RESURFACING, AND UNDERWATER LIGHTING REPLACEMENT		\$400,000				
	GF181	RECREATION	SWIM CENTER DECK TILE REPLACEMENT			\$198,000			
	GF182	RECREATION	SWIM CENTER EXPANSION						\$1,200,000

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
	GF192	RECREATION	BOZEMAN SWIM CENTER CEILING TILE REPLACEMENT	\$40,000					
	GF209	RECREATION	LINDLEY CENTER FULL UPGRADE: RESTROOMS, WINDOWS, SIDING, BASEMENT, KITCHEN, ROOF			\$192,000			
	GF216	RECREATION	12 PASSENGER VAN		\$15,000				
	GF217	RECREATION	BEALL FURNACE REPLACEMENT	\$23,000					
				\$198,000	\$12,415,000	\$437,000			\$1,200,000

<i>Summary for General Fund (73 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$21,040,900	\$13,251,500	\$1,275,500	\$721,000	\$1,152,000	\$8,961,800

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF001

PROJECT NAME						
PROFESSIONAL BUILDING ELEVATOR REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$66,600

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

CIP Project Fund
General Fund

DEPARTMENT
CEMETERY

PROJECT NUMBER
GF010

PROJECT NAME
CEMETERY MOWER REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$16,000	\$16,000	\$16,000	\$17,000	\$18,000	

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, and support the Cemetery Divisions performance measures - 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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF030

PROJECT NAME
ARTICULATING TRACTOR

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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, encompassing over 12 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 or Maclean MV2 wheel loader machines with the Street Division. These machines are a fairly new development in regards to sidewalk snow removal and can handle numerous implements as well. Depending on the machine of choice prices range from \$60,000 to \$110,000.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF031

PROJECT NAME
PARK IMPROVEMENT GRANTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$100,000		\$150,000		\$150,000	

DESCRIPTION OF PROJECT

Contribute every other 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 minimum 1 to 1 match from the recipient. The Commission has established a formal grant policy by resolution. By switching to every other year, and also increasing the allocation, bigger projects can be accomplished, though these projects will take more time to complete.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF034

PROJECT NAME						
LARGE DECK MOWER						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$54,000		\$80,000		

DESCRIPTION OF PROJECT

Eventual replacement of the 1999 (in FY16) Toro 455 series mowers, which are difficult to repair due to lack of parts (these mowers are not manufactured anymore) and are currently used as back-up mowers and/or are used sparingly in un-developed and smaller park areas. The mower request in FY18 would be an 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 over 125 acres of Formal Turf in the parks system.

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.

CIP Project Fund
General Fund

DEPARTMENT
POLICE/COURTS

PROJECT NUMBER
GF050

PROJECT NAME
POLICE & MUNICIPAL COURT FACILITY

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$17,992,000					

DESCRIPTION OF PROJECT

The Bozeman Police Department has outgrown the leased space at the Law and Justice Center. The existing building does not meet current building and life-safety codes for critical public safety facilities and is not suitable for remodel, alteration or expansion. To address these deficiencies, the City has been working with Gallatin County on a collaborative approach to addressing facility needs for the City and County's criminal justice systems. Our particular focus has been on a combined facility for the Sheriff and Police Department. In December of 2012 the County decided it was not going to participate with the City in a joint facility and encouraged the City to proceed alone. Once the County withdrew from a joint facility, the benefits of the existing Law and Justice Center as a site for the City's Police and Municipal Courts rapidly diminished to a point where we believe building on the site would compromise the ability of the Police Department to effectively and efficiently operate in the long term. Building location and site restrictions placed on the City by the County combined to cause us to look elsewhere for a more suitable building location.

ALTERNATIVES CONSIDERED

We have all but exhausted options to cooperate with the County in a joint facility. Once the County determined they would not participate in the design and construction of a joint law enforcement building, and with the restrictions placed on our design by the County, we have determined that the L&J site is inadequate to accommodate the criminal justice facility needs of a growing community. We have evaluated 3 potential sites to construct a Police/Municipal Courts building and are focusing our efforts on a land exchange with the Montana Department of Transportation that will allow us to redevelop an industrial site on North Rouse.

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 approximately \$170,000 a year to Gallatin County for the Police Department and two court rooms at the L&J. We anticipate asking voters to approve an operating levy, if necessary, when approving the construction levy.

FUNDING SOURCES

General Fund: Final design costs and construction would be funded by a voter-approved levy. 20 year General Obligation Bonds would be issued. \$750,000 for design was allocated to the project in FY's 12 & 13: \$1,000,000 was budgeted in FY14 for land purchase and site improvements.

CIP Project Fund
General Fund

DEPARTMENT
POLICE

PROJECT NUMBER
GF051

PROJECT NAME
ANIMAL CONTROL VEHICLE

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$33,000				

DESCRIPTION OF PROJECT

FY16 - \$33,000 to replace vehicle Asset 3230, 2004 Dodge 4-wheel drive with an expected mileage of 130,000. This vehicle will be replaced with a new extended cab, 4wd truck. Replacement includes new radio, with remaining equipment reused. The department responds to nearly 2,000 Animal Complaints each year. 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

CIP Project Fund
General Fund

DEPARTMENT
POLICE

PROJECT NUMBER
GF052

PROJECT NAME
UNMARKED VEHICLE REPLACEMENT PROGRAM

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$21,000		\$23,000			

DESCRIPTION OF PROJECT

FY15 - Replace Detective Vehicle Asset 3274 2001 Dodge Durango which has 97,124 miles on it (Sept 13), but has started to become high maintenance and unsafe for continued use. This vehicle was originally forfeited as part of a criminal drug arrest.
FY17 - Replace Detective Vehicle Asset 3138 2002 Chevrolet Impala which has 102,200 miles (Sept 13) on it currently. This amount includes all necessary vehicle equipment, with most current equipment being reused. Hybrid fuel vehicles will be examined for suitability to assignment. Unmarked vehicles are an essential item in the operation of the Bozeman Police Department, being the primary tool used by Detectives, School Resource Officers and command officers to assist and manage calls in support of marked police cars. Uses include response at all hours to violent and sexual crimes, assignment at area schools and enforcement purposes where an unmarked vehicle is more appropriate or tactically sound. While these vehicles are not over 20 years old, they are primary reponse vehicles for the department.

ALTERNATIVES CONSIDERED

Replacement will include trade in options and looking at lower mileage vehicle. Some equipment may be able to be reused.

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

CIP Project Fund
General Fund

DEPARTMENT
POLICE

PROJECT NUMBER
GF053

PROJECT NAME
POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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, radio, mobile data terminals, video cameras, electronic reporting / ticketing systems, etc.) Marked 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 each year. Police vehicles must be available for police patrol and emergency call response 24 hours a day, 365 days a year. These vehicles are used to respond to both emergency and non-emergency calls for service, investigate vehicle crashes, 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

These are replacement vehicles. 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.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF056

PROJECT NAME
DESIGN & CONSTRUCT INDOOR/OUTDOOR FAMILY AQUATICS CENTER

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$12,000,000				

DESCRIPTION OF PROJECT

Indoor Aquatic Elements: Therapy pool, water slides, zero entry teaching area, river run, deep diving well, 25 yd lap pool.
Outdoor Aquatic Elements: Lazy river, zero entry teaching area, zero entry pool, water slides. This item was identified as a “Top Ten Capital Facility Recommendation” in the PROST plan, adopted October 2007. This project will need to be approved by the voters. ;It is estimated that an election would be offered in Spring 2015. Construction would begin in the Summer/Fall 2015 (FY16). Opening would occur in Summer 2016.

ALTERNATIVES CONSIDERED

Implement plan in phases.

ADVANTAGES OF APPROVAL

Community Benefits of an Aquatics 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 aquatic staff: Cost undetermined at this time. We would recommend asking voters to approve a levy increase for operations, at the time of capital improvement funding.

FUNDING SOURCES

General Fund, Bond Issue, Grants, etc.

CIP Project Fund
General Fund

DEPARTMENT
I.T.

PROJECT NUMBER
GF062

PROJECT NAME
SERVER & PERSONAL COMPUTER (PC) REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$70,000	\$75,000	\$100,000	\$100,000	\$75,000	

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

CIP Project Fund
General Fund

DEPARTMENT
COMM. DEV.

PROJECT NUMBER
GF064

PROJECT NAME						
VEHICLE REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
PUBLIC SERVICES (GIS)

PROJECT NUMBER
GF065

PROJECT NAME						
AERIAL PHOTOGRAPHY						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$60,000			\$60,000		

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

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

General Fund

I.T.

GF079

PROJECT NAME

NETWORK CORE SWITCHES

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

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.

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

FY15	FY16	FY17	FY18	FY19	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 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.

CIP Project Fund
General Fund

DEPARTMENT
CEMETERY

PROJECT NUMBER
GF083

PROJECT NAME						
BACKHOE						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$110,000

DESCRIPTION OF PROJECT

This piece of equipment replaces the current cemetery backhoe (2001) that is used for burials an average of 2 times per week. 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, and the old cemetery backhoe would be handed down to the Parks Division, which is in dire need of a "road-worthy" backhoe. Cost of economy with both divisions receiving "new" pieces of equipment.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF084

PROJECT NAME
PARKS RESTROOM UPGRADES

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$300,000	\$390,000

DESCRIPTION OF PROJECT

This project is the general replacement and upgrading of the City Park's public restroom facilities. Other restrooms that need to be replaced- and/or built are: Rose Park (\$175,000), Westlake BMX (\$175,000) , Beall (\$40,000) and a new addition that rises to the top, is the Softball Complex (\$300,000 - Large Facility plus Concession Stand). Currently, Rose and BMX Parks are unscheduled, due to evaluating Impact fee costs and implications of the landfill clean-up. ;The Lindley Park restroom, funded in FY13, has been replaced and will be fully functional in the spring of 2014.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF092

PROJECT NAME
PLAYGROUND EQUIPMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$60,000		\$70,000		\$50,000

DESCRIPTION OF PROJECT

The following playground equipment will eventually need to be replaced due to its age and condition: Replacement will bring equipment up to today's standards and reduce safety and liability concerns. Jarrett Park (FY16), Christie Park (FY18), and Beall Park, are identified as the playgrounds that need replacement, in that priority. 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 given their critical safety implication. We currently maintain 24 playgrounds city-wide.

ALTERNATIVES CONSIDERED

Keep existing equipment in place, maintain as we go

ADVANTAGES OF APPROVAL

Increased safety for community members.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

100% General Fund.

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF100

PROJECT NAME
TRACTOR WITH BUCKET

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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, move material, assist in fertilization 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. Explore the possibility of using the Street Division's Massy in the winter.

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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GFI03

PROJECT NAME
American's with Disabilities Act (ADA) COMPLIANCE IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	

DESCRIPTION OF PROJECT

Replace or install ADA upgrades in various city-owned buildings. Work examples include: door hardware, handrails, parking signage and stalls, building access, etc. The newly formed ADA advisory committee is anticipated 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. Based on the initial review of the work to be done the dollar amount should be increased in order to complete the improvements within the needed timeframe.

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.

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF104

PROJECT NAME
ENERGY UPGRADES

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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. This project may change if the City decides to move forward on the Performance Contracting Energy Improvement work that has been bid. The Performance Contracting will address the major energy improvements identified by the city and the contractor.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF108

PROJECT NAME
PARK SIDEWALK REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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. 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.

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF111

PROJECT NAME
EAST GALLATIN REC AREA IRRIGATION REPAIRS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$25,000

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. 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. Potentially, this could be a PIG project as described earlier in the CIP. (Bigger projects)

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GFI 15

PROJECT NAME
PARK VEHICLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$28,000		\$30,000		\$30,000	\$90,000

DESCRIPTION OF PROJECT

Parks Department utilizes trucks for mowing, fertilization, irrigation, inspections, and repairs of the city parks, 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 130,000 miles, and until service related down-time 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 2013. FY 15 replacement is for the Blue 1988 GMC 1/2 ton – 1495- 210,000+mi.

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

CIP Project Fund
General Fund

DEPARTMENT
CEMETERY

PROJECT NUMBER
GF116

PROJECT NAME
CEMETERY VEHICLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$42,500				

DESCRIPTION OF PROJECT

Cemetery Vehicle Replacement Plan. The Cemetery Department utilizes 1-Ton trucks for operations and maintenance of the Sunset Hills Cemetery. Asset# 1213, 1989 1Ton 4x4, Estimated 45,000 miles, replace in FY16. This 1-Ton is critical to providing prompt burial services (loading and unloading dirt) roughly twice a week, and sanding/plowing cemetery roads. While it has relatively low mileage, the cost of repairs and its extremely low fuel economy (460 engine) drive our recommendation to replace this 25 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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF130

PROJECT NAME
CITY HALL SITE IMPROVEMENTS - PHASE 2

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$42,000			

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.

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF137

PROJECT NAME
SWIM CENTER POOL FILTRATION SYSTEM

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF139

PROJECT NAME
CITY HALL PHASE 3 SITE IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$47,250					

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

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF140

PROJECT NAME
LINDLEY CENTER PARKING LOT RENOVATION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$47,000			

DESCRIPTION OF PROJECT

Curb and overlay 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 striping and periodic overlays.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF142

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

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$400,000				

- New
- Replacement
- Equipment
- Project

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GFI44

PROJECT NAME						
STORY MANSION & MANSION PARK SIDEWALKS						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF146

PROJECT NAME
LINDLEY PARK IRRIGATION SYSTEM

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$100,000

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. 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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF147

PROJECT NAME
SOFTBALL COMPLEX IRRIGATION SYSTEM

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$110,000

DESCRIPTION OF PROJECT

Replace the existing irrigation system at the softball complex. The system is 40 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.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF 148

PROJECT NAME						
BMX PARKING LOT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF149

PROJECT NAME						
EAST GALLATIN REC AREA PARKING LOT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$60,000

DESCRIPTION OF PROJECT
Paving parking lot at the East Gallatin Recreation Area.

ALTERNATIVES CONSIDERED

Keep the parking lot gravel until master plan is completed in coordination with the Rotary Club.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF151

PROJECT NAME						
BEALL PARK BASKETBALL COURTS						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$18,000

DESCRIPTION OF PROJECT

Resurface or tile the existing court.

ALTERNATIVES CONSIDERED

Leave it the way it is. Utilize Cash-in-Lieu or PIG \$\$

ADVANTAGES OF APPROVAL

Improved basketball courts that are level, safe and are an asset to the park and could be used for a multitude of City Recreation programs,

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF157

PROJECT NAME
SENIOR CENTER ELEVATOR

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$68,000				

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. I requested a detailed analysis of the elevator by the maintenance contractor we have for the elevator and they agreed that the Senior Center elevator is the one that is most in need of replacement amongst all the city elevators.

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

CIP Project Fund
General Fund

DEPARTMENT
FIRE

PROJECT NUMBER
GF162

PROJECT NAME
LIVE-FIRE TRAINING PROP

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	

DESCRIPTION OF PROJECT

This will continue building the Fire training facility at the lower yards. It will 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 will 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, Rupture/Explosion , and Hazardous Conditions and various other call types.

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. We also have a stronger relationship with Sourdough Fire and potentially will be training with them.

ADVANTAGES OF APPROVAL

Firefighters can train when on-duty, reducing overtime costs. Required for ISO compliance.. 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.

CIP Project Fund
General Fund

DEPARTMENT
POLICE

PROJECT NUMBER
GF165

PROJECT NAME
PATROL MOTORCYCLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$60,000					

DESCRIPTION OF PROJECT

FY15 - \$60,000 will replace asset # 3112 and asset # 3154. This plan allows for our 2 primary patrol motorcycles to be replaced, including most of the necessary vehicle equipment (emergency lights, sirens, radio) This program would replace older, higher mileage patrol motorcycles that become less reliable and more costly to repair, but more importantly can become a safety issue for Officers. Some of the equipment from the motorcycle will 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. ;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. This will include trading in 2 primary motorcycles and a third older motorcycle to help minimize costs.

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

CIP Project Fund
General Fund

DEPARTMENT
POLICE

PROJECT NUMBER
GFI66

PROJECT NAME
PORTABLE RADIO REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$48,000	\$49,500	\$51,000	\$52,500	\$50,000

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. Previously had this rotation beginning in FY15. Radios are working to a degree that this entire planned purchase moved back beginning FY16

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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF170

PROJECT NAME
BOILER REPLACEMENT AT FIRE STATION #1

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$260,500	

DESCRIPTION OF PROJECT

This project is most ideally timed with the Station #1 Remodel in the Fire Equipment & Capital Replacement Fund. 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 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). Staff has been working to keep the boiler running properly, and monitoring the chemical condition of the boiler water to try to increase the useful life of the boiler.

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. The structural assessment and architectural design for the upstairs expansion of Station #1 is complete. This

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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF171

PROJECT NAME
CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$11,500					

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. The water build up is starting to impact the use of the lot with large pools of water and ice problems in the winter.

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. It will also improve employee access to the building so they don't have to wade through the water accumulation.

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

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF181

PROJECT NAME
Swim Center deck tile replacement

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF182

PROJECT NAME						
Swim Center Expansion						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF186

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

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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. It might be good to move this installation up to FY 15. There is more activity and this would help with some of the concerns that have come up with the doors getting locked in the evening with the activities related to the MSU Computer Training Lab in the basement of the building.

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.

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF187

PROJECT NAME
Replace Worn Siding on the Bozeman Senior Social Center

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$26,250					

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. Addition work is being included in the CIP requests for exterior work on the building. Other areas of the building are in need of repair due to the age and condition of the materials.

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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GFI88

PROJECT NAME
Replace Boiler at Bozeman Senior Center

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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. In checking with some heating contractors there is a benefit to replacing both boilers with more efficient and properly sized boilers. There have been some other additions to the building and it would be good to upgrade the entire heating system especially since the mechanical control systems have been recently upgraded. Replacing both boilers would increase the cost to \$32,000.00.

ALTERNATIVES CONSIDERED

Work is being done right now on the old unit to get the venting and firing to function properly so that we can continue to use the unit for awhile. Another option would be to put in three multiphase boilers similar to the system that we have at the Bozeman Public Library. This three unit system is highly efficient and provides better heating back-up should one of the boilers fail to operate for some reason. Cost for a three unit system would be \$36,000.00.

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

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF189

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

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$39,900					

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.

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF190

PROJECT NAME						
4-Wheeler ATV Replacement						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$14,000

DESCRIPTION OF PROJECT
Replace the ATV (2000 Yamaha Grizzly) used for sidewalk snow removal and is the main piece of equipment that is used to spray approx 300 acres with herbicides and biostimulants for the Parks Division.

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF191

PROJECT NAME
Upgrade of Softball Complex Lighting

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$825,000

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.

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF192

PROJECT NAME
Bozeman Swim Center Ceiling Tile Replacement

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF194

PROJECT NAME
Park Entrance Signs

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	

DESCRIPTION OF PROJECT

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

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF195

PROJECT NAME						
Aerator						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$17,000

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.

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

CIP Project Fund
General Fund

DEPARTMENT
I.T.

PROJECT NUMBER
GF196

PROJECT NAME
New Cooling Unit for Professional Building Data Center

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$35,500					

DESCRIPTION OF PROJECT

Replace the current APC cooling system in the professional building Data Center. >

ALTERNATIVES CONSIDERED

Keep using the current 10 year old system and spend \$6,000 to replace bearings.

ADVANTAGES OF APPROVAL

We would have a system that is properly sized for the room and heat load. It would be a redundant system that would allow failover in the event that one of the unit fails. The new system would be more energy efficient. We have had to put money into the unit multiple times over the last year and we are looking at a sizable expenditure now to keep using this unit going forward.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

1 Year warranty out of the gate with roughly \$100 per year for Freon replacement and maintenance. Repairs and issues beyond basic maintenance after the first year would have to be paid at that time.

FUNDING SOURCES

General Fund

CIP Project Fund
General Fund

DEPARTMENT
I.T.

PROJECT NUMBER
GF197

PROJECT NAME						
Microsoft Office Version Upgrade to Office 2013						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$88,000					

DESCRIPTION OF PROJECT

Licenses with Software Assurance program. ;Certain vendors are asking us to upgrade our software version. ;We are currently using Microsoft Office 2007. ;This needs to be accomplished in FY15 or FY16.

ALTERNATIVES CONSIDERED

Microsoft Cloud System Office 365. \$8,000 ongoing/year; We haven't fully investigated this option and have concerns about meeting our discovery and records retention requirements.

ADVANTAGES OF APPROVAL

A coordinated migration to Office 2013 that can be occur during planned roll-out. Less disruption to the organization.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund.

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF198

PROJECT NAME						
SENIOR SOCIAL CENTER FIRE SPRINKLER UPGRADES						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$17,000					

DESCRIPTION OF PROJECT

Replace the existing 1/2 inch sprinkler lines with the current code requirement of 1 inch lines. An annual inspection and testing of fire sprinkler systems is required. The person that conducted the inspections the last time pointed out the some of the individual sprinkler heads did not have the right size of pipe. Code requires that the piping for the sprinkler heads be 1 inch diameter. The individual heads were put in with only 1/2 inch lines. This work will change out the smaller diameter sprinkler head supply lines with the code compliant size lines.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

The replacement of the current lines with larger diameter lines will bring the system up to current code standards.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional costs for the proper size lines.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF199

PROJECT NAME						
CARPET REPLACEMENT MAIN FLOOR PROFESSIONAL BUILDING						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$14,000					

DESCRIPTION OF PROJECT

Hallway carpet on the main floor of the Professional Building is starting to show wear. Also there have been problems with static build up causing problems with computer use. New carpet will be static free. Most of the carpet areas are the hallways by the offices for Planning and Engineering.

ALTERNATIVES CONSIDERED

Replace small sections of carpet a little at a time over multiple years to work from standard budget verses CIP money.

ADVANTAGES OF APPROVAL

Replace worn carpet with static free carpet. Maintain the character of the building and offices and avoid trip hazards from worn carpet areas.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Standard costs for annual carpet cleaning, but no added costs for static guard application.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF200

PROJECT NAME						
BOZEMAN SENIOR CENTER RESTROOM VENTALATION						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$14,000					

DESCRIPTION OF PROJECT

Install a ventilation system for the four restrooms located at the Bozeman Senior Social Center. The work will include the needed ducting, fan systems, and occupancy sensors to turn the fans on and off at the appropriated times for both operation and energy efficiency.

ALTERNATIVES CONSIDERED

Individual fan system verses the proposed unit system that will accommodate all 4 restrooms.

ADVANTAGES OF APPROVAL

Ventilation will improve the condition and comfort of the restrooms and move closer to current code requirements.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Some additional electrical costs and maintenance costs for the equipment and system. The work will include installation of occupancy sensors to limit the time the equipment will be running when the restrooms are not in use or the building is closed.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF201

PROJECT NAME
FIRE STATION #2 SIDING REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$24,000					

DESCRIPTION OF PROJECT

The exterior of Fire Station #2 is showing signs of aging. Improvements have already been done on parts of the building – re-roof due to hail damage, and replacement of windows and doors due to age and for improved energy efficiency. Now that the windows are replaced it will be a good time to replace the building siding.

ALTERNATIVES CONSIDERED

None identified at this time.

ADVANTAGES OF APPROVAL

Replacement of the siding will improve the appearance of the building and stabilize the rest of the building envelope.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

The proposed siding is a cement based material that is pre-colored. This will be a durable materials and reduce the amount of repainting that will need to be done to maintain the condition of the material.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF202

PROJECT NAME						
INSTALL IRRIGATION SYSTEM AND COMPLETE SITE LANDSCAPING FOR THE LOWER YARD						

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$15,500					

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

The Lower Yard Area (located at 1812 N. Rouse) was renovated for the Vehicle Maintenance Facility and the HRDC Bus Barn, including the Sand Shed on E Griffin Drive. The site improvement work was not done in this first phase of construction. This work will include the installation of a sprinkler irrigation system that uses well water for a water source. The work will include landscape planting to complete the balance of the required site improvements. The design for both projects is complete so the work will be for the actual installation of the system and plantings.

ALTERNATIVES CONSIDERED

The Street Department has agreed to pay for a portion of the project since Vehicle Maintenance is under their department.

ADVANTAGES OF APPROVAL

This work will address the needed site improvements required by the Planning Department. Work was scheduled for later until we knew what the final design layout was for the planned improvements on North Rouse by the MT Dept. of Transportation.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

The source of water will be from a well which has been installed. This will keep the water costs down. We will look at a good deal of native landscaping which will help reduce the initial costs and overall site maintenance costs.

FUNDING SOURCES

100% General Fund from Facilities and some money from the Street Department.

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF203

PROJECT NAME
BOZEMAN SENIOR SOCIAL CENTER EXTERIOR ENVELOPE IMPROVEMENTS.

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$38,500					

DESCRIPTION OF PROJECT

Due to the age and condition of the Bozeman Senior Social Center building a number of exterior materials will be replaced. Work will include the replacement of the rough board siding with cement based clapboard siding. The soffit area of the building is open in many areas and lots of birds have been getting into the attic areas. New fascia boards and soffit boards will be installed. The gutter sections are leaking and torn on many areas of the building. The entrance columns on the northeast entrance of the building are also starting to rot out and will be replaced. There is foam material on the foundation area of the building that is broken and not providing the needed moisture protection. This will also be replaced.

ALTERNATIVES CONSIDERED

Phasing the various repairs over time will increase the cost as some things need to be done before other work is done. For example replacing the fascia boards before the gutter system is installed. Replacing the soffits before the fascia boards are installed. One other consideration would be upgrading some of the single glazed windows with more energy efficient windows before the siding is installed.

ADVANTAGES OF APPROVAL

Now that the building is over 30 years old, the repairs will address the deterioration of the building exterior envelope. The roofing was all replace due to the 2010 hail damage. The west side of the building was also resided due to hail damage and the proposed replacement materials will match what has already been upgraded on the building. In addition to improving the overall appearance of the building, the new materials will have a longer life expectancy and protect the condition of the building. There has been some water leaking in through the windows in the basement. The gutters will be set up so that the water from the roof does not drain into the window wells keeping the water from getting into the building.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

The new materials will have a longer projected life expectancy. We will step up the ongoing maintenance and requirements for painting when needed.

FUNDING SOURCES

100% General Fund

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF205

PROJECT NAME
PROST Plan update

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$100,000			

DESCRIPTION OF PROJECT

Update the 2007 Parks Recreation Open Space Trail (PROST) Plan. The current plan is nearing 10 years old. Since adoption, the city has grown in size, new park properties have come into the system, and local demographics may have changed. This project anticipates hiring an outside party to update the Plan. If funded in FY17, the Community Plan update will have occurred, and much of the Parks Trails bond will likely be allocated.

ALTERNATIVES CONSIDERED

Do not update the plan.

ADVANTAGES OF APPROVAL

The update would record and reference new and accurate information that has been developing over the last 10 years.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF206

PROJECT NAME						
BRONKEN PARK SIDEWALK						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
------	------	------	------	------	-------------

DESCRIPTION OF PROJECT

INSTALLATION OF NEW SIDEWALK FOR PEDESTRIAN TRAFFIC BETWEEN DURSTON AND CLASSICAL WAY, ALONG COTTONWOOD ROAD.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Safe pedestrian travel for park users and vehicle traffic.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

General Fund.

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF207

PROJECT NAME
CityWorks Hardware

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$45,000					

DESCRIPTION OF PROJECT

Implementation of the CityWorks program for Parks work-orders and infrastructure tracking. In FY 14 Parks paid the licensing fee and now is ready to integrate into the system. ;This project includes ruggedized tablets, staff training, and other related costs. If approved, tentatively scheduled for the fall of 15.

ALTERNATIVES CONSIDERED

Continue with not using CityWorks

ADVANTAGES OF APPROVAL

Integrate the Parks Division into the program that is being used by a vast majority of other divisions. Precise tracking of work orders and asset management. Better, more efficient deployment of parks workers and crews.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Hardware upgrades.

FUNDING SOURCES

General fund

CIP Project Fund
General Fund

DEPARTMENT
PUBLIC SERVICES (GIS)

PROJECT NUMBER
GF208

PROJECT NAME						
ASSET MANAGEMENT SOFTWARE						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$50,000			

DESCRIPTION OF PROJECT

Managing infrastructure efficiently continues to be one of the top priorities and goals of the Bozeman City Commission. Asset management software will build upon existing datasets and systems to assist in delivering the desired level of service for the lowest life cycle cost. Advanced applications are necessary to analyze condition information and criticality to identify and coordinate overlaps and gaps among various assets.

ALTERNATIVES CONSIDERED

Continue managing data and workflow using manual processes with limited potential for effective analysis.

ADVANTAGES OF APPROVAL

Using technology to support long term capital planning will aid in rehabilitation/repair/replacement decisions and ultimately result in a prolonged asset lifespan. A fully developed asset management program will assist the organization in continuing to deliver a high level of service in the most sustainable way possible.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Maintenance (first year included) = \$8,000

FUNDING SOURCES

General Fund

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF209

PROJECT NAME					
Lindley Center Full Upgrade: Restrooms, Windows, Siding, Basement, Kitchen, Roof					

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$192,000			

DESCRIPTION OF PROJECT

This project is the combination of requests for upgrade for the Restrooms (\$50,000), Building Envelope (\$22,000), Window Replacement (\$22,000), Siding Replacement (\$24,000), Kitchen Upgrade (\$50,000), and East Roof Insulation (\$24,000). This is a heavily used community center that could benefit from substantial improvements.

ALTERNATIVES CONSIDERED

As suggested by the Commission

ADVANTAGES OF APPROVAL

1. Brings restroom up to current ADA requirements; 2. Brings restroom up to current City of Bozeman building codes; 3. Improves sanitation in the restrooms and kitchen facilities; 4. Rehabs and secures the building envelope for years to come; 5. Reduced energy consumption from improved windows and insulation.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

General Fund

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF216

PROJECT NAME
12 Passenger Van

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$15,000				

DESCRIPTION OF PROJECT

The Parks and Recreation Department has no participant transportation options between our facilities and to offsite program areas. ;The Recreation Division continues to expand programs that will utilize offsite locations and needs to be able to transport participants and supplies. Currently, the YMCA trades the Recreation Department transportation services of program participants in exchange for pool use.

ALTERNATIVES CONSIDERED

Rent vans. Contract for other transportation option. Continue with the YMCA, if they are available.

ADVANTAGES OF APPROVAL

Expanded program options and potential revenue, participant safety when offsite i.e. if a storm rolls in, we could transport kids to indoor locations.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Routine maintenance

FUNDING SOURCES

General Fund, potential sponsorship with local service organization.

CIP Project Fund
General Fund

DEPARTMENT
RECREATION

PROJECT NUMBER
GF217

PROJECT NAME
Beall Furnace Replacement

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$23,000					

DESCRIPTION OF PROJECT

Replace two furnaces with one high efficiency condensing furnace that will provide combustion air from outside. It was discovered during the 2012 Facility Condition Inventory that there is currently no combustion air coming into the furnace space and addressing this concern was identified as a high priority. Project includes engineering plans.

ALTERNATIVES CONSIDERED

Keep existing furnace and try to address ventilation issue.

ADVANTAGES OF APPROVAL

Increase public and staff safety and energy efficiency

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Routine Maintenance

FUNDING SOURCES

General Fund

CIP Project Fund
General Fund

DEPARTMENT
ENGINEERING

PROJECT NUMBER
GF218

PROJECT NAME						
Landfill Gas Remediation System						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$1,700,000					

DESCRIPTION OF PROJECT

Installation of a new gas remediation system at the old Story Mill landfill.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Loan, paid back by the City's General Fund. The sale of North Park Property could also provide some of the funds to repay the loan.

CIP Project Fund
General Fund

DEPARTMENT
FACILITY MGMT.

PROJECT NUMBER
GF219

PROJECT NAME						
Addition to City Hall, consolidation of services.						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$5,500,000

DESCRIPTION OF PROJECT

This project would relocate the functions currently housed in the Stiff Building (Community Development/Engineering/IT/Building Inspection) into an expansion of City Hall on Lamme Street.

ALTERNATIVES CONSIDERED

Keep operations at the Stiff Building.

ADVANTAGES OF APPROVAL

Centralizing more services in one location at City Hall. Staff and citizens spend time migrating between the buildings.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

The new facility should have lower operating costs than the Stiff Building.

FUNDING SOURCES

Potential Funding Sources include: General Fund, Enterprise Fund (for public works), Building Inspection Fund (Building Inspection Division), sale of the Stiff Building. This is a very rough estimate, based on building square footage and current construction costs.

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF220

PROJECT NAME
Bozeman Pond Infrastructure & Improvements (TOP Project)

- New
- Replacement
- Equipment
- Project

FY15 FY16 FY17 FY18 FY19 Unscheduled

DESCRIPTION OF PROJECT

This item is a place holder, with UNKNOWN costs. Because of the timing of the CIP and the TOP application (coming forward at the same time), we do not have details. Should the original application, and/or amount approved from the TOP Bond Fund not be enough to complete the project, the General Fund could be relied upon.

ALTERNATIVES CONSIDERED

Unknown at this time.

ADVANTAGES OF APPROVAL

Completion/better functioning park land.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Unknown

FUNDING SOURCES

Portion of the TOP Bond Fund, general fund, in-kind and cash donation, other.

CIP Project Fund
General Fund

DEPARTMENT
PARKS

PROJECT NUMBER
GF221

PROJECT NAME						
Sports Complex Infrastructure & Improvements (TOP Project)						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
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DESCRIPTION OF PROJECT

This item is a place holder, with UNKNOWN costs. Because of the timing of the CIP and the TOP application (coming forward at the same time), we do not have details. Should the original application, and/or amount approved from the TOP Bond Fund not be enough to complete the project, the General Fund could be relied upon.

ALTERNATIVES CONSIDERED

Unknown at this time.

ADVANTAGES OF APPROVAL

Completion/better functioning park land.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Unknown.

FUNDING SOURCES

Portion of the TOP Bond Fund, general fund, in-kind and cash donations, other.

CIP Project Fund
General Fund

DEPARTMENT
PARKS/FAC. MGMT.

PROJECT NUMBER
PW01

PROJECT NAME
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$12,000			

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

Most of the reconfiguration for the existing buildings is now complete. Also the improvements for the Laurel Glen building are complete. This work would access future needs for the departments at the current Shop location at 814 N. Bozeman. We could also determine whether there is space for additions at both the 814 N. Bozeman location and the new Vehicle Maintenance building site at 1812 N. Rouse.

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

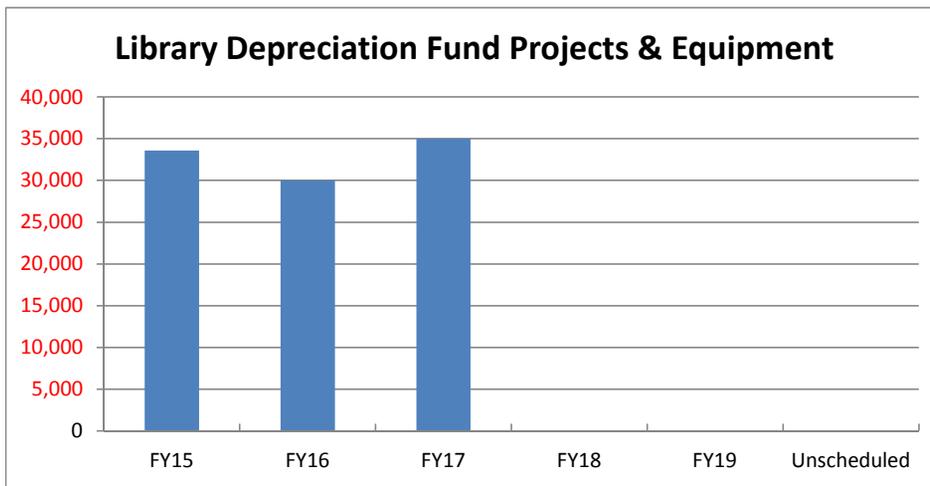
From related divisions: General Fund 20% (\$10,000), Water Fund 20% (\$10,000), Wastewater Fund 20% (\$10,000), Street Maintenance Fund 20% (\$10,000), Solid Waste Fund 20% (\$10,000).

**Library Depreciation Reserve Fund
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 385,600	\$ 344,220	\$ 325,620	\$ 310,920	\$ 291,526	\$ 307,444	
Plus: Estimated Annual Unspent Appropriations	\$ -	\$ 15,000	\$ 15,300	\$ 15,606	\$ 15,918	\$ 16,236	\$ -
Less: Scheduled CIP Project Costs	\$ (41,380)	\$ (33,600)	\$ (30,000)	\$ (35,000)	\$ -	\$ -	\$ -
Projected Year-End Cash Dedicated to CIP	\$ 344,220	\$ 325,620	\$ 310,920	\$ 291,526	\$ 307,444	\$ 323,681	

Assumptions Made for Revenue Estimates:

	Projected				
	FY15	FY16	FY17	FY18	FY19
<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>	1%	1%	1%	1%	1%
<i>Estimated Annual Unspent Appropriations</i>	\$ 15,000	\$ 15,300	\$ 15,606	\$ 15,918	\$ 16,236
<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>	\$ 15,000	\$ 15,300	\$ 15,606	\$ 15,918	\$ 16,236



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
Library Depreciation Reserve									
	LIB06	LIBRARY	PUBLIC PC/LAPTOP REPLACEMENTS			\$35,000			
	LIB08	LIBRARY	REFURBISH ROOM TEXTILES: VARIOUS WINDOW SHADES, FURNITURE, CARPET.	\$20,000					
	LIB09	LIBRARY	BANNER REPLACEMENT, LIBRARY EXTERIOR		\$20,000				
	LIB10	LIBRARY	WAINSCOTING – ADDED TO MEETING ROOMS, RESTROOM AREAS		\$10,000				
	LIB11	LIBRARY	REFURBISH AND REPLACE LIBRARY CHAIRS	\$13,600					
	LIB12	LIBRARY	PEDESTRIAN ACCESS - LIBRARY PARKING LOT						

<i>Summary for Library Depreciation Reserve (6 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$33,600	\$30,000	\$35,000			

CIP Project Fund
Library Depreciation Reserve

DEPARTMENT
LIBRARY

PROJECT NUMBER
LIB06

PROJECT NAME					
PUBLIC PC/LAPTOP REPLACEMENTS					

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$35,000			

DESCRIPTION OF PROJECT

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
LIB08

PROJECT NAME
Refurbish Room textiles: Various Window Shades, Furniture, Carpet.

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$20,000					

DESCRIPTION OF PROJECT

This project will replace Community Room & Montana Room window shades which are now broken and fail to reduce light (\$11,000). We will also add window shades in Childrens Department Head's office to help with more productive use of the space for staff (reducing computer glare, etc.) The project will also Reupholster Children's furniture, where the Children's 2 sofas and chairs are threadbare from extensive use (\$4,000). We will also replace the Montana Room Carpet, which has many worn spots. (\$5,000).

ALTERNATIVES CONSIDERED

Keep the existing shades, furniture and carpet. We have investigated the feasibility of buying new furniture - but the existing furniture is of high quality, just in need of recovering.

ADVANTAGES OF APPROVAL

These repairs will keep the Library updated, attractive and useful to our patrons.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

100% Library Depreciation Reserve

CIP Project Fund
Library Depreciation Reserve

DEPARTMENT
LIBRARY

PROJECT NUMBER
LIB09

PROJECT NAME						
Banner Replacement, Library Exterior						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$20,000				

DESCRIPTION OF PROJECT

The colorful banners that hang on the front of the Library's exterior are a key focal point for the Library and an important part of its beauty. The banners will be ten years old in FY16 and are showing the effects of weather. We would like to be able to replace them before they become worn and shabby.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Replacing the banners in a timely manner will keep the Library's appearance up and maintain its beauty.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Library Depreciation Reserve

CIP Project Fund
Library Depreciation Reserve

DEPARTMENT
LIBRARY

PROJECT NUMBER
LIB10

PROJECT NAME						
Wainscoting – added to meeting rooms, restroom areas						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$10,000				

DESCRIPTION OF PROJECT

Add wainscoting to the meeting rooms' walls and to the hallway in the public restroom area, off of the lobby, to prevent scarring and gouging of the walls.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

The walls are damaged accidentally by chairs, tables, wheelchairs and routine activity. The wainscoting would prevent damage to the plaster and protect the paint on the walls.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Library Depreciation Reserve

CIP Project Fund
Library Depreciation Reserve

DEPARTMENT
LIBRARY

PROJECT NUMBER
LIBI I

PROJECT NAME
Refurbish and Replace Library Chairs

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$13,600					

DESCRIPTION OF PROJECT

The 12 task chairs are from the old library and are worn out; we are getting frequent patron complaints on the worn seats and upholstery on the 2nd floor and Teen Room work chairs. Replace 12 task chairs (\$3600); reupholster 15 2nd-floor and Teen Room chairs (\$10,000, est.)

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

We will provide more comfortable, functional and attractive seating to our Library customers while keeping the appearance of the Library's interior up to date.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Library Depreciation Reserve

Library Depreciation Reserve

LIB12

PROJECT NAME

Pedestrian Access - Library Parking Lot

- New
- Replacement
- Equipment
- Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

DESCRIPTION OF PROJECT

Installation and re-construction of pedestrain-friently features in the Library Parking lot. Patrons parking on the west side of the parking lot have to cross through vehicle traffic and around curbing/medians to access the Library entrance. In addition, proposed renovations of the old Harrington Building adjacent to the Library have included adding a pedestrian pathway, crossing from Wallace to the Library parking lot. This improvement to pedestrian access to the parking lot is expected to have consequences for how many people will be crossing through this heavily used lot. Accessibility requirements for line-of-travel and the need to navigate the existing curbs are a concern. Some parking spaces may have to be eliminated. Will require re-design of the parking lot (a Facilites Management General Fund request) with construction costs coming from the Library Depreciation Reserve. Without design work completed, Costs are UNKNOWN at this point.

ALTERNATIVES CONSIDERED

Leave parking lot configuration the way it is - without a pedestrian path from Wallace.

ADVANTAGES OF APPROVAL

Improved safety for pedestrians trying to access the Library or cross the library property.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

Library Depreciation Reserve

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

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 403,193	\$ 328,708	\$ 130,737	\$ 45,888	\$ 45,888	\$ 45,888	
Plus: Annual Federal Allocation (86.58%)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Plus: Match Required from General Fund (13.42%)	\$ 30,515	\$ 28,719	\$ 13,152	\$ -	\$ -	\$ -	\$ -
Plus: Match Required Other (13.42%)							
Less: Scheduled CIP Project Costs	\$ (105,000)	\$ (226,690)	\$ (98,000)	\$ -	\$ -	\$ -	
Projected Year-End Cash Dedicated to CIP	\$ 328,708	\$ 130,737	\$ 45,888	\$ 45,888	\$ 45,888	\$ 45,888	

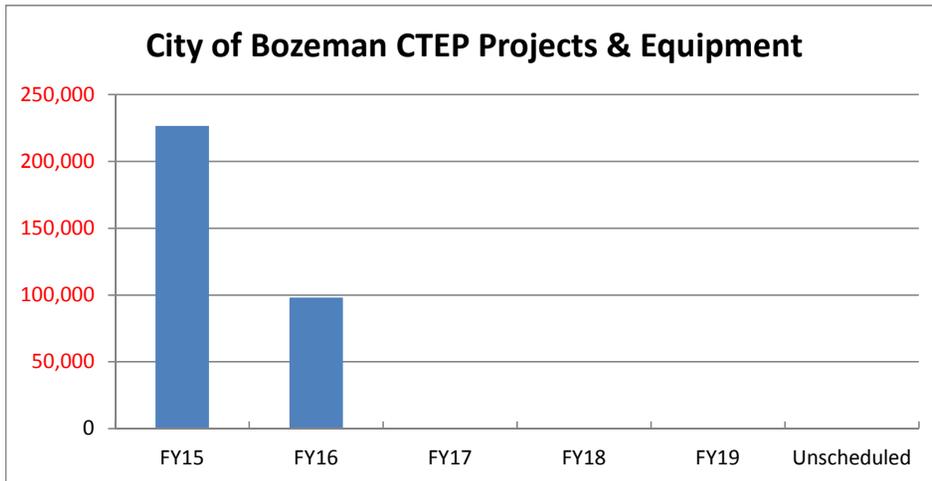
Assumptions Made for Revenue Estimates:

Estimated Annual CTEP Allocation

Plus: Estimated Increase/Decrease in Federal Allocation

Total Estimated Revenues Dedicated to CIP

	Projected				
	FY15	FY16	FY17	FY18	FY19
Estimated Annual CTEP Allocation	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Estimated Increase/Decrease in Federal Allocation	0%	0%	0%	0%	0%
Total Estimated Revenues Dedicated to CIP	\$ -	\$ -	\$ -	\$ -	\$ -



NEW: This program has changed at the Federal Level. We no longer receive an annual allocation. We are now required to submit applications to the State and compete for funding, under the "MTAP" program.

We have a remaining balance of previous CTEP allocation that must be allocated to projects by September 2015.

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.

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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CTEP/MTAP

CT002	ENGINEERING	INSTALL SIDEWALK ALONG SOUTH SIDE OF OAK, EAST OF 25TH	\$28,000						
CT003	ENGINEERING	INSTALL SIDEWALK ALONG SOUTH SIDE OF TSCHACHE ROAD ALONG THE ROSE PARK FRONTAGE.	\$16,000						
CT004	ENGINEERING	INSTALL SIDEWALK AT CENTENNIAL PARK	\$35,000						
CT005	ENGINEERING	INSTALL SIDEWALK ALONG OAK STREET, ROSE PARK FRONTAGE	\$35,000						
CT006	ENGINEERING	INSTALL SIDEWALK ALONG SOUTH SIDE OF DURSTON, BETWEEN FLATHEAD AND MEAGHER STREETS.		\$98,000					
CT007	ENGINEERING	CTEP WAYFINDING	\$100,000						
CT008	ENGINEERING	PEDESTRIAN TRAIL ALONG HUFFINE (COTTONWOOD TO FOWLER)							
CT009	ENGINEERING	PEDESTRIAN TRAIL ALONG DURSTON (LAUREL PARKWAY TO HARPER PUCKET)	\$12,690						

<i>Summary for CTEP/MTAP (8 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$226,690	\$98,000				

CIP Project Fund
CTEP/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT002

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

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT003

PROJECT NAME
Install Sidewalk along South Side of Tschache Road along the Rose Park Frontage.

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$16,000					

DESCRIPTION OF PROJECT

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/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT004

PROJECT NAME
Install Sidewalk at Centennial Park

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT005

PROJECT NAME
Install Sidewalk along Oak Street, Rose Park Frontage

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT006

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

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$98,000				

DESCRIPTION OF PROJECT

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

CIP Project Fund
CTEP/MTAP

DEPARTMENT
Engineering

PROJECT NUMBER
CT007

PROJECT NAME
CTEP Wayfinding

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$100,000					

DESCRIPTION OF PROJECT

This project is for the study and development of a Transportation System wayfinding and signage plan. The city lacks a comprehensive plan that proscribes the design and placement of pavement markings and street signs.

ALTERNATIVES CONSIDERED

Continue to address signs and markings on a case-by-case basis.

ADVANTAGES OF APPROVAL

A comprehensive plan will allow Streets Department crews to deploy signage and street markings through-out the city in a consistent way. Citizens and visitors will notice a consistent look and feel when navigating our streets, intersections and bike lanes.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

After the plan is developed, the costs for funding the striping and signage will need to come from Street Maintenance District budget.

FUNDING SOURCES

CTEP

CIP Project Fund
CTEP/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT008

PROJECT NAME						
PEDESTRIAN TRAIL ALONG HUFFINE (COTTONWOOD TO FOWLER)						

FY15	FY16	FY17	FY18	FY19	Unscheduled
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- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

MTAP APPLICATION -The CTEP program has changed at the Federal Level. We no longer receive an annual allocation. Instead, we must submit applications for individual projects to complete for funds around the State. This application, if approved, would be funded with MTAP dollars (86%) and local match (14%). In this case there would be a donation of easement that would cover the City's local share - requiring no other out-of-pocket match.

ALTERNATIVES CONSIDERED

Do not build the path; Find a different funding source for the project.

ADVANTAGES OF APPROVAL

Safer pedestrian travel along Huffine Road, from Cottonwood to Fowler Ave.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

MTAP Funds, if approved. Local Dollars, if approved: provided through local in-kind donation.

CIP Project Fund
CTEP/MTAP

DEPARTMENT
ENGINEERING

PROJECT NUMBER
CT009

PROJECT NAME
PEDESTRIAN TRAIL ALONG DURSTON (LAUREL PARKWAY TO HARPER PUCKET)

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$12,690					

DESCRIPTION OF PROJECT

MTAP APPLICATION -The CTEP program has changed at the Federal Level. We no longer receive an annual allocation. Instead, we must submit applications for individual projects to complete for funds around the State. This application, if approved, would be funded with MTAP dollars (86%) and local match (14%).

ALTERNATIVES CONSIDERED

Do not build the path. Find a different funding source for the project.

ADVANTAGES OF APPROVAL

Safer pedestrian traffic along Durston Road, from Harper Pucket road to Laurel Parkway (Laurel Glen Area),

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

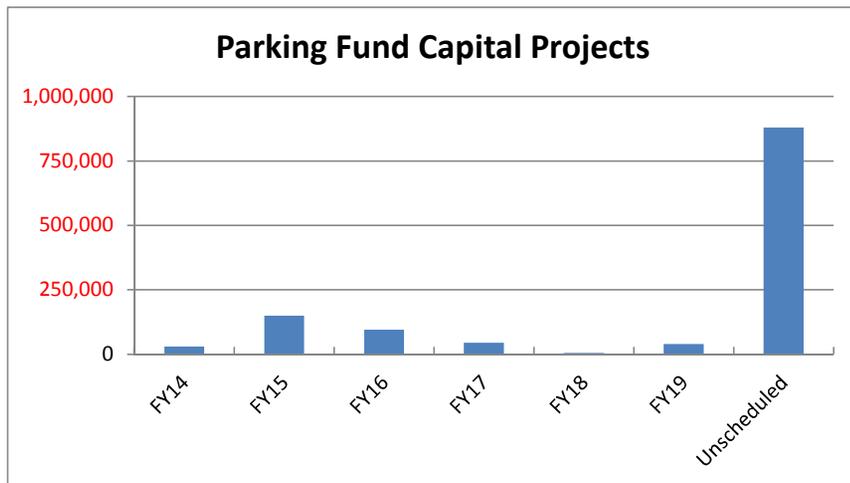
MTAP Funds, if approved: \$81,700; Local Dollars (General Fund), if approved: \$12,690.

**Parking Fund
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Balance Dedicated to CIP	\$ 136,600	\$ 256,100	\$ 133,600	\$ 53,600	\$ 23,600	\$ 33,600	
Cash In Lieu of Parking	\$ 122,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Parking Revenues Dedicated to Capital	\$ 17,500	\$ 17,500	\$ 5,000	\$ 5,000	\$ 5,000	\$ -	\$ -
Plus: Downtown TIF Interest Contribution	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	
Less: Scheduled CIP Costs	\$ (30,000)	\$ (150,000)	\$ (95,000)	\$ (45,000)	\$ (5,000)	\$ (40,000)	\$ (880,000)
Projected Year-End Cash Dedicated to CIP	\$ 256,100	\$ 133,600	\$ 53,600	\$ 23,600	\$ 33,600	\$ 3,600	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
<i>Annual Parking Revenues Dedicated to Capital</i>	\$ 17,500	\$ 17,500	\$ 5,000	\$ 5,000	\$ 5,000	\$ -
<i>Plus: Downtown TIF Interest Contribution</i>	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
<i>Total Estimated Revenues Dedicated to Capital</i>	\$ 27,500	\$ 27,500	\$ 15,000	\$ 15,000	\$ 15,000	\$ 10,000



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Parking Fund

P002	PARKING	CRACK SEALING		\$20,000				\$30,000	
P003	PARKING	LIGHTING REPLACEMENT PROGRAM	\$15,000	\$15,000					\$30,000
P004	PARKING	PARKING LOT HARDWARE & SOFTWARE SYSTEMS	\$40,000	\$40,000	\$40,000				
P005	PARKING	PORTABLE RADIO REPLACEMENT	\$5,000	\$5,000	\$5,000	\$5,000			
P006	PARKING	HAND-HELD TICKET WRITER REPLACEMENTS	\$40,000						
P009	PARKING	BLACK (CARNEGIE) LOT SIDEWALK & LIGHTING IMPROVEMENTS							\$50,000
P011	PARKING	WILLSON LOT							\$150,000
P012	PARKING	ARMORY LOT IMPROVEMENTS	\$50,000						
P013	PARKING	BLACK (CARNEGIE) LOT PARKING IMPROVEMENTS.							\$150,000
P014	PARKING	PARKING GARAGE DECK PATCH AND REPAIR		\$5,000				\$5,000	
P015	PARKING	PARKING GARAGE ROOF PROJECT							\$150,000
P016	PARKING	PURCHASE OF ADDITIONAL SURFACE LOTS IN THE DOWNTOWN PARKING DISTRICT.							
P017	PARKING	ROUSE PARKING LOT RE-DESIGN AND IMPROVEMENTS							\$350,000
P020	PARKING	PARKING VEHICLE REPLACEMENTS		\$10,000				\$5,000	

<i>Summary for Parking Fund (14 items)</i>				<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$150,000	\$95,000	\$45,000	\$5,000	\$40,000	\$880,000

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P002

PROJECT NAME

Crack Sealing

- New
- Replacement
- Equipment
- Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$20,000

\$30,000

DESCRIPTION OF PROJECT

Recurring Project to seal cracks in the surface parking lots. This routine maintenance should be scheduled every 3 Yrs.

ALTERNATIVES CONSIDERED

Don't seal cracks - this will limit the life of our existing asphalt and base.

ADVANTAGES OF APPROVAL

Proper maintenance of the parking lots will extend their useful life.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

Parking Fund.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P003

PROJECT NAME

Lighting Replacement Program

- New
- Replacement
- Equipment
- Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$15,000

\$15,000

\$30,000

DESCRIPTION OF PROJECT

Replace failing fixtures inside the Garage (not roof level) with LED's.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED
100% Parking Fund - Energy Savings will offset many of the costs.

FUNDING SOURCES

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P004

PROJECT NAME

Parking Lot Hardware & Software Systems

New

Replacement

Equipment

Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$40,000	\$40,000	\$40,000			

DESCRIPTION OF PROJECT

In the event that Downtown Parking Lots are transitioned to a fee-lot, we will need kiosks for payment that link to the existing parking management software at the Garage. Each system is estimated to be \$40,000, with the necessary curbing and electrical improvements; one system required for each lot. Potential lots for conversion are thought to be the Black Lot, Armory Lot, and Willson Lot.

ALTERNATIVES CONSIDERED

Keep lots as they are: permit holders and free transient parking for up to 2 hours.

ADVANTAGES OF APPROVAL

Revenue will be derived from the use of lots by transient, daily parkers.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minor electrical and operational costs.

FUNDING SOURCES

100% Parking Fund

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P005

PROJECT NAME

Portable Radio Replacement

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$5,000	\$5,000	\$5,000	\$5,000		

DESCRIPTION OF PROJECT

Replacement of all four department radios, \$5,000 ea. Existing radios are old and have seen a lot of wear and tear. These will need to be replaced as current equipment fails.

ALTERNATIVES CONSIDERED

Hand-me-downs from the Police or Fire Departments as they replace first-responder equipment.

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P006

PROJECT NAME

Hand-Held Ticket Writer Replacements

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$40,000					

DESCRIPTION OF PROJECT

Replacement of current group of 8 ticket-writers used by enforcement officers on the street.

ALTERNATIVES CONSIDERED

Approximately \$3,500 for refurbished machines, but useful life is likely less.

ADVANTAGES OF APPROVAL

Replacement of critical equipment

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

Parking Fund

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P009

PROJECT NAME

Black (Carnegie) Lot Sidewalk & Lighting Improvements

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$50,000

DESCRIPTION OF PROJECT

This project extends the Main Street Streetscape north on Black to Mendenhall Street, along the City-own Parking Lot. The project would coincide with the private property owner project.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P011

PROJECT NAME

Willson Lot

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$150,000

DESCRIPTION OF PROJECT

Layout, set-backs, landscaping, signage, lighting, storm water requirements.

ALTERNATIVES CONSIDERED

Keep lot as-is.

ADVANTAGES OF APPROVAL

Improved functioning of parking lot.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

Parking Fund.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P012

PROJECT NAME

Armory Lot Improvements

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$50,000

DESCRIPTION OF PROJECT

This project will be needed after the Etha Hotel construction is completed. Layout, set-backs, landscaping, signage, lighting, storm water requirements are being considered.

ALTERNATIVES CONSIDERED

Keep the lot as-is.

ADVANTAGES OF APPROVAL

Better functioning parking lots.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

Parking Fund - the Etha Hotel Construction Licensing Agreement for use of the lot will bring approx \$35,000 to help fund these improvements.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P013

PROJECT NAME

Black (Carnegie) Lot Parking Improvements.

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$150,000

DESCRIPTION OF PROJECT

Improve the parking lot with layout, set-backs, landscaping, signage, lighting, and sufficient storm water infrastructure.

ALTERNATIVES CONSIDERED

Keep the lot as-is.

ADVANTAGES OF APPROVAL

Better functioning parking lots.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

Parking Fund

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P014

PROJECT NAME

Parking Garage Deck Patch and Repair

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$5,000

\$5,000

DESCRIPTION OF PROJECT

Routine repairs and patching of concrete parking garage decks.

ALTERNATIVES CONSIDERED

Do not patch (not advised).

ADVANTAGES OF APPROVAL

Will extend the life of the parking garage deck surfaces.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None

FUNDING SOURCES

Parking Fund

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P015

PROJECT NAME

Parking Garage Roof Project

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$150,000

DESCRIPTION OF PROJECT

Increased demand for leased space in the Garage has forced the Parking Commission to consider alternatives that would allow coverage of the upper deck for winter use. Currently, the roof is not used in the winter months because of the difficulties of snow removal. This option would install a roof on the current top parking deck, making space useable year-round.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Increased useable space in the Parking Garage facility.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Parking Fund.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P016

PROJECT NAME

Purchase of Additional Surface Lots in the Downtown Parking District.

- New
- Replacement
- Equipment
- Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

DESCRIPTION OF PROJECT

The Parking Commission has the sole responsibility for providing public parking spaces in the Downtown district. It is thought that as Downtown grows we will need additional parking spaces - in the form of Surface Lots. Cost is Unknown. Our current Black (Carnegie) Parking lot was appraised at \$1.5M in 2011.

ALTERNATIVES CONSIDERED

Structured Parking (garaged) - generally thought to be much more expensive than surface lot purchase costs.

ADVANTAGES OF APPROVAL

Additional parking resources, critical to the downtown economy.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Additional lot maintenance each year/season.

FUNDING SOURCES

Parking Fund.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P017

PROJECT NAME

Rouse Parking Lot Re-design and Improvements

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$350,000

DESCRIPTION OF PROJECT

Rouse Lot Improvements - Layout, set-backs, landscaping, signage, lighting, storm water requirements. Because the lot is adjacent to Bozeman Creek, this project will require more improvements than any other existing city parking lot.

ALTERNATIVES CONSIDERED

Keep the lot as-is.

ADVANTAGES OF APPROVAL

Better functioning parking lots.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

Parking Fund, grants for storm water protection, etc.

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Parking Fund

PARKING

P020

PROJECT NAME

Parking Vehicle Replacements

- New
- Replacement
- Equipment
- Project

FY15

FY16

FY17

FY18

FY19

Unscheduled

\$10,000

\$5,000

DESCRIPTION OF PROJECT

Currently, the Parking Fund uses hand-me-down Police Vehicles that are no longer suitable for first-responder use. The cost to convert one of these used vehicles to a Parking Vehicle is \$5,000 each. The cars are painted and light systems converted. Currently, there are three vehicles used for parking enforcement.

ALTERNATIVES CONSIDERED

Buy brand-new cars.

ADVANTAGES OF APPROVAL

Low cost vehicles that are suitable for the Parking Enforcement function; re-use of police vehicles once they are no longer suitable for first-responder use.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Additional maintenance is expected to be lower than existing fleet. However, because these are heavily used police vehicles, annual maintenance is difficult to predict.

FUNDING SOURCES

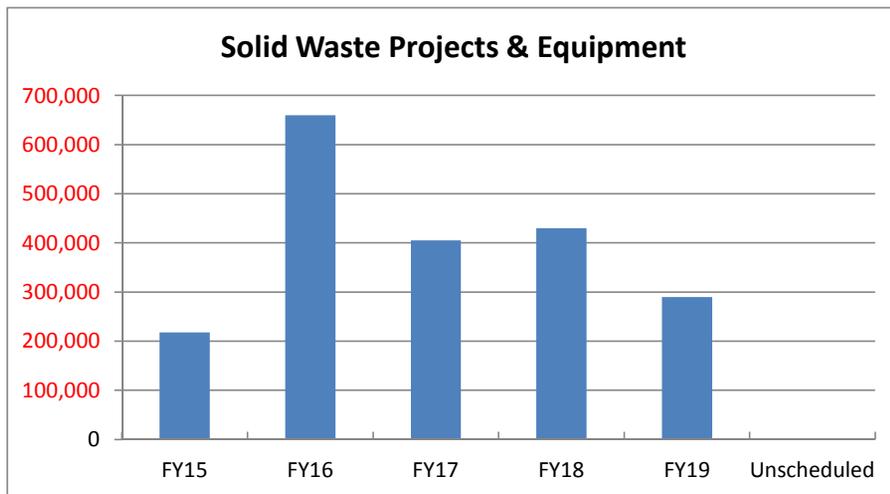
Parking Fund.

Solid Waste Collection & Recycling Capital Improvement Plan

Financial Summary	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Projected Beginning Reserve Balance Dedicated to CIP	\$ 650,209	\$ 296,342	\$ 413,243	\$ 117,559	\$ 106,800	\$ 74,984
Plus: Revenues Dedicated to CIP	\$ 306,117	\$ 334,944	\$ 364,316	\$ 394,241	\$ 398,184	\$ 402,166
Less: Scheduled CIP Project Costs	\$ (659,984)	\$ (218,043)	\$ (660,000)	\$ (405,000)	\$ (430,000)	\$ (290,000)
Projected Year-End Cash Dedicated to CIP	\$ 296,342	\$ 413,243	\$ 117,559	\$ 106,800	\$ 74,984	\$ 187,150

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Revenues	\$ 2,550,979	\$ 2,550,979	\$ 2,576,489	\$ 2,602,254	\$ 2,628,276	\$ 2,654,559
Estimated Annual Increase in Revenues	-	1%	1%	1%	1%	1%
Total Estimated Revenues	\$ 2,550,979	\$ 2,576,489	\$ 2,602,254	\$ 2,628,276	\$ 2,654,559	\$ 2,681,105
Current Revenues Dedicated to CIP %	10.0%	12.0%	13.0%	14.0%	15.0%	15.0%
Plus: Increase Dedicated to CIP	2.0%	1.0%	1.0%	1.0%	0.0%	0.0%
Total % Dedicated to CIP	12.0%	13.0%	14.0%	15.0%	15.0%	15.0%
Total Estimated Revenues Dedicated to CIP	\$ 306,117	\$ 334,944	\$ 364,316	\$ 394,241	\$ 398,184	\$ 402,166



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

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Solid Waste Collection

PW01	COLLECTION	SHOPS FACILITY EXPANSION PLAN			\$10,000				
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			
SW38	COLLECTION	SIDE LOAD TRUCK REPLACEMENT					\$290,000		
SW35	CURBSIDE	CURBSIDE RECYCLING TRUCK REPLACEMENT			\$220,000				
SW39	SOLID WASTE	UPDATE SOLID WASTE RATE STUDY			\$35,000				
SW40	SOLID WASTE	OVERLAY LANDFILL ROAD	\$70,000						
SW41	SOLID WASTE	CONVENIENCE SITE RELOCATION	\$10,000	\$100,000					

<i>Summary for Solid Waste Collection (12 items)</i>				<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$218,043	\$660,000	\$405,000	\$430,000	\$290,000	

CIP Project Fund
Solid Waste Collection

DEPARTMENT
COLLECTION

PROJECT NUMBER
PW01

PROJECT NAME
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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
SW30

PROJECT NAME
SIDE LOAD PACKER - REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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 Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
COLLECTION

PROJECT NUMBER
SW31

PROJECT NAME
SIDE LOAD REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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 Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
CURBSIDE

PROJECT NUMBER
SW35

PROJECT NAME
CURBSIDE RECYCLING TRUCK REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$220,000			

DESCRIPTION OF PROJECT

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

100% Solid Waste Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
COLLECTION

PROJECT NUMBER
SW36

PROJECT NAME
SIDE LOAD REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
			\$290,000		

DESCRIPTION OF PROJECT

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

100% Solid Waste Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
COLLECTION

PROJECT NUMBER
SW37

PROJECT NAME						
SIDE LOAD PACKER REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

100% Solid Waste Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
COLLECTION

PROJECT NUMBER
SW38

PROJECT NAME						
SIDE LOAD TRUCK REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$290,000	

DESCRIPTION OF PROJECT

Replacement of a current front-line residential collection truck, asset #3452.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

Allows the division to continue to provide excellent service to customers. Increased fuel economy; reduced exhaust emissions; less down time; increased productivity

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Operating & 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
SOLID WASTE

PROJECT NUMBER
SW39

PROJECT NAME						
UPDATE SOLID WASTE RATE STUDY						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$35,000			

DESCRIPTION OF PROJECT

Update to 2012 Rate Study.

ALTERNATIVES CONSIDERED

Continue basing rates on 2012 Study

ADVANTAGES OF APPROVAL

Updating the rate study every 5 years will allow the division to ensure that they can continue operating and providing services at a fair rate

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None

FUNDING SOURCES

100% Solid Waste Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
SOLID WASTE

PROJECT NUMBER
SW40

PROJECT NAME						
OVERLAY LANDFILL ROAD						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$70,000					

DESCRIPTION OF PROJECT

Overlay Landfill Road, as it extends through the property from Story Mill Road to the Solid Waste Shop.

ALTERNATIVES CONSIDERED

Let the road continue to deteriorate and patching; eventually have to reconstruct

ADVANTAGES OF APPROVAL

An overlay will extend the life of the road

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Reduce maintenance costs for many years

FUNDING SOURCES

100% Solid Waste Fund

CIP Project Fund
Solid Waste Collection

DEPARTMENT
SOLID WASTE

PROJECT NUMBER
SW41

PROJECT NAME
Convenience Site Relocation

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$10,000	\$100,000				

DESCRIPTION OF PROJECT

This project would identify a more suitable location for the existing Logan Landfill Convenience Station, located at the City Landfill property on Story Mill Road. The first year would fund the engineering work to determine a more suitable site on the Landfill property; likely to include features such as below grade roll-off containers for more convenient disposal. The second year would fund the actual construction costs related to the relocation of the existing equipment.

ALTERNATIVES CONSIDERED

Continue to operate at its existing site.

ADVANTAGES OF APPROVAL

The Site would have easier-to-use disposal options, like grade-level disposal containers. The Convenience Station would become less-obtrusive use on the property; less of the activities would be visible to adjacent properties.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Make the site less visible and make use of the site more convenient.

FUNDING SOURCES

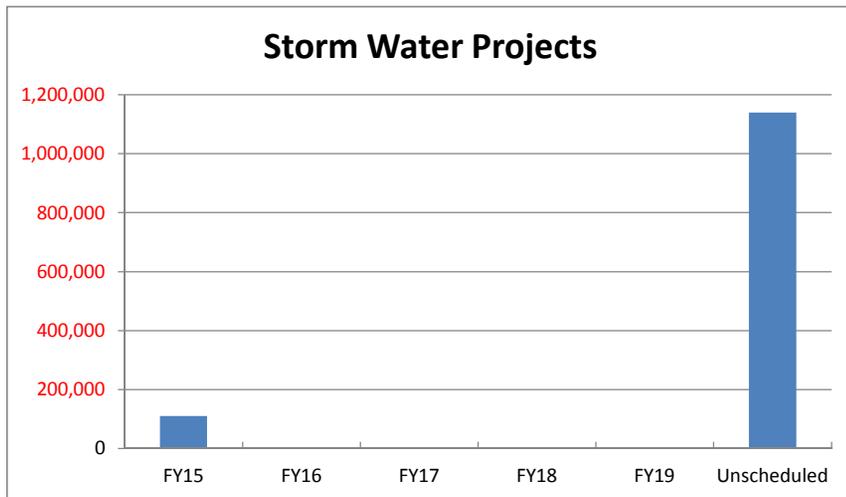
Solid Waste Fund, with potential reimbursement from the Solid Waste District.

**Storm Water Utility
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ -	\$ (53,188)	\$ 6,466	\$ 69,101	\$ 135,495	
Plus: Storm Water Utility Fees Dedicated to Capital	\$ -	\$ 56,813	\$ 59,653	\$ 62,636	\$ 66,394	\$ 70,378	
Less: Scheduled CIP Project Costs	\$ -	\$ (110,000)	\$ -	\$ -	\$ -	\$ -	\$ (1,139,300)
Projected Year-End Cash Dedicated to CIP	\$ -	\$ (53,188)	\$ 6,466	\$ 69,101	\$ 135,495	\$ 205,873	\$ (1,139,300)

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY13	FY15	FY16	FY17	FY18	FY19
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%
Total Estimated Revenues	\$ 225,000	\$ 227,250	\$ 238,613	\$ 250,543	\$ 265,576	\$ 281,510
Current Revenues Dedicated to CIP %	0.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Plus: Increase Dedicated to Capital	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	0.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Total Estimated Revenues Dedicated to CIP	\$ -	\$ 56,813	\$ 59,653	\$ 62,636	\$ 66,394	\$ 70,378



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.

Storm Water Fund

STRM01	STORM WATER	VALLEY UNIT PARK							\$80,000
STRM02	STORM WATER	ROCKY CREEK STORM WATER IMPROVEMENTS							\$20,000
STRM04	STORM WATER	ANNUAL STORM WATER PIPE REHABILITATION							\$300,000
STRM08	STORM WATER	ROUSE AVENUE STORM DRAIN UPSIZING							\$186,300
STRM09	STORM WATER	ROUSE AVENUE STORM WATER TREATMENT							\$93,000
STRM10	STORM WATER	SWEEPER							\$75,000
STRM11	STORM WATER	SERVICE TRUCK							\$40,000
STRM12	STORM WATER	FLUSHER VAC TRUCK							\$345,000
STRM14	STORM WATER	STORM WATER RATE STUDY	\$35,000						
STRM15	STORM WATER	IMPERVIOUS SURFACE DATA CREATION	\$75,000						

<i>Summary for Storm Water Fund (10 items)</i>			<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>			\$110,000					\$1,139,300

CIP Project Fund
Storm Water Fund

DEPARTMENT
STORM WATER

PROJECT NUMBER
STRM01

PROJECT NAME
Valley Unit Park

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled \$80,000
------	------	------	------	------	-------------------------

DESCRIPTION OF PROJECT

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

FY15	FY16	FY17	FY18	FY19	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
Annual Storm Water Pipe Rehabilitation

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$300,000

DESCRIPTION OF PROJECT

General repairs and infrastructure maintenance are estimated to cost \$300,000 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 \$300,000 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

PROJECT NUMBER
STRM08

PROJECT NAME						
Rouse Avenue Storm Drain Upsizing						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$186,300

DESCRIPTION OF PROJECT

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

PROJECT NUMBER
STRM09

PROJECT NAME						
Rouse Avenue Storm Water Treatment						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$93,000

DESCRIPTION OF PROJECT

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.

CIP Project Fund
Storm Water Fund

DEPARTMENT
STORM WATER

PROJECT NUMBER
STRM10

PROJECT NAME						
Sweeper						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$75,000

DESCRIPTION OF PROJECT

Sweeper Lease, for cleaning streets. Keeping streets free from debris keeps the sedimentation and objects out of our storm water system.

ALTERNATIVES CONSIDERED

Borrow Sweeper from Street Division

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Maintenance Costs

FUNDING SOURCES

Stormwater Utility

CIP Project Fund
Storm Water Fund

DEPARTMENT
STORM WATER

PROJECT NUMBER
STRM I I

PROJECT NAME						
Service Truck						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$40,000

DESCRIPTION OF PROJECT

New Vehicle dedicated to use by Storm Water crews.

ALTERNATIVES CONSIDERED

Borrow vehicle from other divisions; purchase used truck.

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal Maintenance Costs

FUNDING SOURCES

Storm Water Fund

CIP Project Fund
Storm Water Fund

DEPARTMENT
STORM WATER

PROJECT NUMBER
STRM12

PROJECT NAME
Flusher Vac Truck

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$345,000

DESCRIPTION OF PROJECT

Replacement of 20 year old vac truck handed down from the sewer division. This truck is used to flush vacuum storm sewer mains.

ALTERNATIVES CONSIDERED

Continue using current truck and pay increased costs to maintain.

ADVANTAGES OF APPROVAL

Increased reliability and safety for staff and stormwater operations.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual operating and maintenance costs (expected to be lower than existing vehicle)

FUNDING SOURCES

Storm Water Fund

CIP Project Fund
Storm Water Fund

DEPARTMENT
STORM WATER

PROJECT NUMBER
STRM14

PROJECT NAME
Storm Water Rate Study

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$35,000					

DESCRIPTION OF PROJECT

The City will hire a contractor to perform a rate study to analyze different rate structures and methods for assessing our stormwater fees.

ALTERNATIVES CONSIDERED

Continue calculating rates as we currently are or develop another method

ADVANTAGES OF APPROVAL

The City's Stormwater Utility is new and our system hasn't been maintained in the past. A rate study will allow us to determine how we should be assessing rates so we can ensure that our utility can support itself and we can better maintain and build our system in the most effective way possible.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None

FUNDING SOURCES

Storm Water Fund.

CIP Project Fund
Storm Water Fund

DEPARTMENT
STORM WATER

PROJECT NUMBER
STRM15

PROJECT NAME
Impervious Surface Data Creation

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$75,000					

DESCRIPTION OF PROJECT

Create polygon data to represent the extent of impervious surface area for all properties - so that the Storm Water Utility can base its charges on the impervious surface on each property.

ALTERNATIVES CONSIDERED

Use existing (partial) Department of Revenue data to supplement known property areas

ADVANTAGES OF APPROVAL

This information will allow for the accurate assessment of the relative impact of stormwater runoff. Industry best practices recommend that impervious surface is the most defensible and common method used for storm water utility fee calculations.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Recurring costs may be required depending on the level of detail necessary to support overall policy direction (i.e., residential vs commercial vs tiered structure, etc). Interdepartmental workflow will also be necessary to coordinate and update/maintain construction information on a persistent basis

FUNDING SOURCES

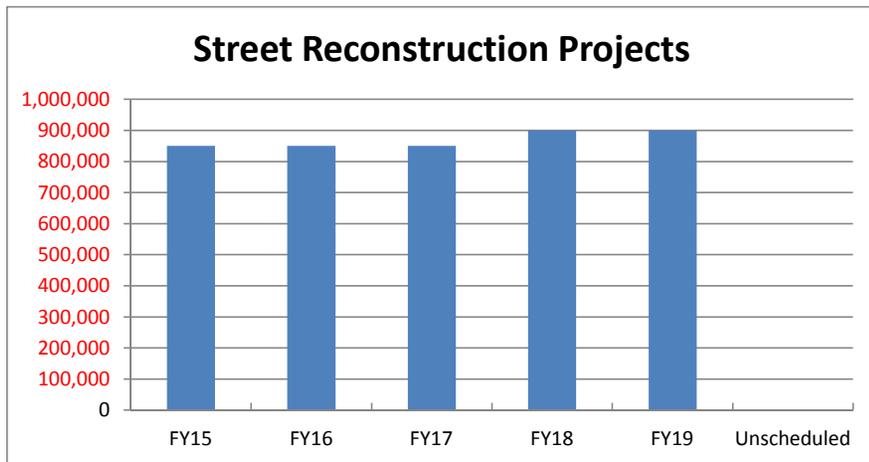
Storm Water Fund.

Street and Curb Reconstructions (combined)
Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 602,368	\$ 570,518	\$ 550,267	\$ 538,314	\$ 534,741	\$ 489,633	
Plus: Street Maintenance Assessments Dedicated	\$ 668,150	\$ 829,749	\$ 838,047	\$ 846,427	\$ 854,892	\$ 863,440	
Plus: SID or other local contribution	\$ 200,000						
Less: Scheduled CIP Project Costs	\$ (900,000)	\$ (850,000)	\$ (850,000)	\$ (850,000)	\$ (900,000)	\$ (900,000)	\$ -
Projected Year-End Cash Dedicated to CIP	\$ 570,518	\$ 550,267	\$ 538,314	\$ 534,741	\$ 489,633	\$ 453,074	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Total Estimated Annual Street Assessment Revenue	\$ 2,905,000	\$ 2,934,050	\$ 2,963,391	\$ 2,993,024	\$ 3,022,955	\$ 3,053,184
Estimated Annual Increase - Attributed to Annexations		1%	1%	1%	1%	1%
Total Estimated Revenues	\$ 2,905,000	\$ 2,963,391	\$ 2,993,024	\$ 3,022,955	\$ 3,053,184	\$ 3,083,716
Current Revenues Dedicated to Street & Curb CIP %	18.0%	23.0%	28.0%	28.0%	28.0%	28.0%
Plus: Increase Dedicated to Reconstruction & Curbs	5.0%	5.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	23.0%	28.0%	28.0%	28.0%	28.0%	28.0%
Total Estimated Revenues Dedicated to CIP	\$ 668,150	\$ 829,749	\$ 838,047	\$ 846,427	\$ 854,892	\$ 863,440



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Street and
Curb
Replacement
Fund

SCR01	Engineering	STREET CURB REPLACEMENT - SPOT REPAIR	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
SCR02	Engineering	ANNUAL STREET AND CURB REPLACEMENT PROJECTS	\$800,000	\$800,000	\$800,000	\$850,000	\$850,000	
			\$850,000	\$850,000	\$850,000	\$900,000	\$900,000	

<i>Summary for Street and Curb Replacement Fund (2 items)</i>			<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>			\$850,000	\$850,000	\$850,000	\$900,000	\$900,000	

CIP Project Fund
Street and Curb Replacement Fund

DEPARTMENT
Engineering

PROJECT NUMBER
SCR01

PROJECT NAME						
Street Curb Replacement - Spot Repair						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	

DESCRIPTION OF PROJECT

When a pedestrian ramp is installed, many times the adjacent curbs need to be replaced in order to get drainage to not stop at new ramp. Smaller curb repairs can be necessary rather than replacing a whole block

ALTERNATIVES CONSIDERED

Continue current operations

ADVANTAGES OF APPROVAL

This will allow completion of smaller projects instead of waiting for an entire block to be repaired

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Cost of Materials

FUNDING SOURCES

Curb Replacement

CIP Project Fund
Street and Curb Replacement Fund

DEPARTMENT
Engineering

PROJECT NUMBER
SCR02

PROJECT NAME						
Annual Street and Curb Replacement Projects						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$800,000	\$800,000	\$800,000	\$850,000	\$850,000	

DESCRIPTION OF PROJECT

This is the amount of funding that could be provided to Annual Street and Curb reconstruction projects. Projects would be identified and scheduled once the results of our Street and Curb Condition Assessment are known (Spring 2014). It is anticipated that we would combine this funding with Special Improvement District (SID) funding for the reconstruction projects.

ALTERNATIVES CONSIDERED

Numerous, including different levels of SID contributions; Urban Fund matching; etc.

ADVANTAGES OF APPROVAL

City streets and curbs will be reconstructed so that they are safer and easier to use and maintain.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Maintaining reconstructed streets and curbs has a LOWER cost than continuing to maintain dilapidated infrastructure.

FUNDING SOURCES

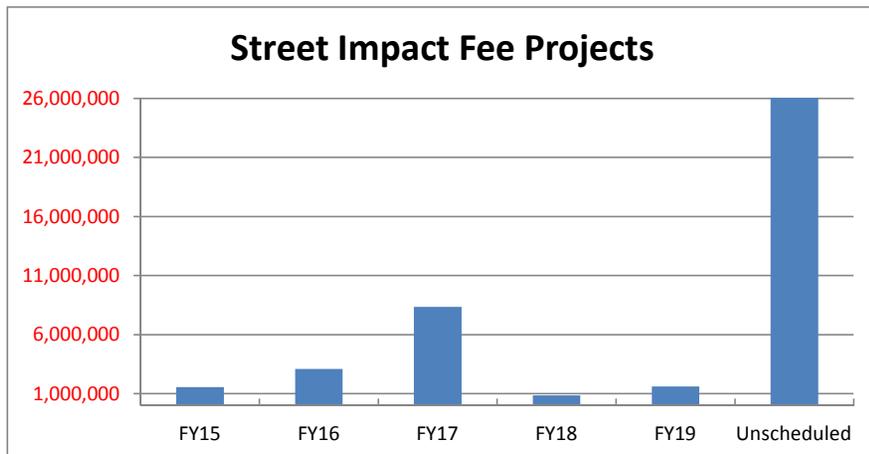
Street Maintenance Fund assessments dedicated to Street and Curb Reconstructions.

Street Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 10,216,098	\$ 7,741,098	\$ 7,976,167	\$ 7,900,937	\$ 4,396,003	\$ 5,421,970	
Plus: Impact Fee Revenues Dedicated to CIP	\$ 981,000	\$ 1,485,069	\$ 1,514,770	\$ 1,545,066	\$ 1,575,967	\$ 1,607,486	\$ -
Plus: Urban Funds: SIF09, Kagy (Willson to 19th)			\$ 260,000	\$ 2,400,000			
Plus: Local Share of Intersections (40% of Total)		\$ 300,000	300000	\$ 300,000	\$ 300,000	\$ 600,000	
Plus: SID or other sources			\$ 950,000	\$ 600,000			
Less: City Share of SIF06, College (Main to 19th)	\$ (3,106,000)						
Less: Scheduled CIP Project Costs	\$ (350,000)	\$ (1,550,000)	\$ (3,100,000)	\$ (8,350,000)	\$ (850,000)	\$ (1,600,000)	\$ (27,575,000)
Projected Year-End Cash Dedicated to CIP	\$ 7,741,098	\$ 7,976,167	\$ 7,900,937	\$ 4,396,003	\$ 5,421,970	\$ 6,029,457	\$ (27,575,000)

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Street Impact Fee Revenues	\$ 981,000	\$ 1,455,950	\$ 1,485,069	\$ 1,514,770	\$ 1,545,066	\$ 1,575,967
Estimated Annual Increase	0.0%	2%	2%	2%	2%	2%
Total Estimated Revenues	\$ 981,000	\$ 1,485,069	\$ 1,514,770	\$ 1,545,066	\$ 1,575,967	\$ 1,607,486
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	\$ 981,000	\$ 1,485,069	\$ 1,514,770	\$ 1,545,066	\$ 1,575,967	\$ 1,607,486



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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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				
SIF21	STREET IF	GRAF STREET CONNECTION							\$1,000,000
SIF23	STREET IF	HIGHLAND BOULEVARD, MAIN ST. TO KAGY BLVD.							\$7,600,000
SIF34	STREET IF	FOWLER CONNECTION							\$1,500,000
SIF36	STREET IF	COTTONWOOD - BABCOCK TO OAK	\$200,000	\$1,100,000					
SIF37	STREET IF	TRANSPORTATION PLAN UPDATE	\$125,000						
SIF38	STREET IF	FERGUSON - BAXTER TO OAK	\$100,000	\$500,000					
SIF43	STREET IF	SOUTH 11TH AVE, OPPORTUNITY TO ARNOLD	\$275,000						
SIF46	STREET IF	OAK STREET, NEW HOLLAND TO FERGUSON							\$4,800,000
SIF47	STREET IF	N 27TH AVE, TSCHACHE TO OAK STREET							\$2,200,000
<i>Totals by DEPARTMENT</i>			\$800,000	\$2,350,000	\$7,600,000	\$100,000	\$100,000		\$23,750,000

Impact Fees
Streets

SIF20	STREET INT	INTERSECTION CONTROL 7TH AVE. & KAGY BLVD.							\$650,000
SIF24	STREET INT	INTERSECTION CONTROL, HIGHLAND BLVD. AND ELLIS ST.							\$500,000
SIF25	STREET INT	INTERSECTION CONTROL, HIGHLAND BOULEVARD AND KAGY BOULEVARD							\$750,000

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
	SIF27	STREET INT	INTERSECTION CONTROL, COTTONWOOD ROAD & DURSTON AVENUE						\$500,000
	SIF32	STREET INT	INTERSECTION IMPROVEMENTS, MANLEY ROAD & GRIFFIN DRIVE						\$925,000
	SIF33	STREET INT	INTERSECTION CONTROL, N. 7TH AVENUE AND GRIFFIN DRIVE						\$500,000
	SIF39	STREET INT	INTERSECTION CONTROL - FERGUSON & DURSTON			\$750,000			
	SIF40	STREET INT	INTERSECTION CONTROL - MAIN & BROADWAY		\$750,000				
	SIF41	STREET INT	INTERSECTION CONTROL - FERGUSON & BABCOCK				\$750,000		
	SIF42	STREET INT	INTERSECTION CONTROL - BAXTER & DAVIS	\$750,000					
	SIF44	STREET INT	INTERSECTION CONTROL, FERGUSON & OAK STREETS					\$750,000	
	SIF45	STREET INT	INTERSECTION CONTROL, OAK AND 27TH AVENUE					\$750,000	
<i>Totals by DEPARTMENT</i>				\$750,000	\$750,000	\$750,000	\$750,000	\$1,500,000	\$3,825,000

<i>Summary for Impact Fees Streets (26 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$1,550,000	\$3,100,000	\$8,350,000	\$850,000	\$1,600,000	\$27,575,000

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF01

PROJECT NAME
RIGHT OF WAY ACQUISITION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$100,000	\$100,000	\$100,000	\$100,000	\$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

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF02

PROJECT NAME
Baxter Lane, 19th to Cottonwood

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

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

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund	DEPARTMENT					PROJECT NUMBER
Impact Fees Streets	STREET IF					SIF08
PROJECT NAME						<input checked="" type="checkbox"/> New
Durston Road, Fowler Ave. to Ferguson Ave.						<input type="checkbox"/> Replacement
FY15	FY16	FY17	FY18	FY19	Unscheduled	<input type="checkbox"/> Equipment
		\$1,500,000				<input checked="" type="checkbox"/> Project

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.

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

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF20

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

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF21

PROJECT NAME
Graf Street Connection

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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.

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

FY15	FY16	FY17	FY18	FY19	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.

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF24

PROJECT NAME
Intersection Control, Highland Blvd. and Ellis St.

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF25

PROJECT NAME
Intersection Control, Highland Boulevard and Kagy Boulevard

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF27

PROJECT NAME
Intersection Control, Cottonwood Road & Durston Avenue

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF32

PROJECT NAME
Intersection Improvements, Manley Road & Griffin Drive

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

Minimal

FUNDING SOURCES

Project Estimates - Traffic Signal \$575,000, Turn Lane \$175,000, Railroad Equipment Relocate \$175,000. Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF33

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

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$500,000

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

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF34

PROJECT NAME
FOWLER CONNECTION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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.

CIP Project Fund
Impact Fees Streets

DEPARTMENT
Street IF

PROJECT NUMBER
SIF36

PROJECT NAME
Cottonwood - Babcock to Oak

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$200,000	\$1,100,000				

DESCRIPTION OF PROJECT

This project consists of widening Cottonwood Road from West Babcock Street to Oak Street 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. Cottonwood Road serves as an important element in Bozeman's west side street system and serves as a primary north-south corridor on the west side of the city.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

Improved traffic flow and safety in this corridor.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Street Impact Fees, SID for upgrade of existing roadway portion, Urban funds or incremental construction by developers. Current estimate is 50% SID/50% Impact Fees.

CIP Project Fund
Impact Fees Streets

DEPARTMENT
Street IF

PROJECT NUMBER
SIF37

PROJECT NAME						
Transportation Plan Update						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$125,000					

DESCRIPTION OF PROJECT

Update Transportation Plan. Last plan was completed in 2007.

ALTERNATIVES CONSIDERED

Do not update plan. Continue improving infrastructure based on 2007 plan.

ADVANTAGES OF APPROVAL

Improving Infrastructure is costly and as Bozeman grows, our needs change. Updating our plan will allow us to make better decisions on what areas need to improve.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None

FUNDING SOURCES

Street Impact Fees

CIP Project Fund
Impact Fees Streets

DEPARTMENT
Street IF

PROJECT NUMBER
SIF38

PROJECT NAME
Ferguson - Baxter to Oak

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$100,000	\$500,000				

DESCRIPTION OF PROJECT

This project consists of constructing Ferguson Boulevard from Oak Street to Baxter Lane to a three lane collector standard. This includes one travel lane in each direction, bike lanes on each side, curb and gutter throughout, boulevard, sidewalks and a raised median. Ferguson is an important collector on the west side of the City and ultimately leads north to Chief Joseph Middle School.

ALTERNATIVES CONSIDERED

SID for full financing, or incremental construction by developers.

ADVANTAGES OF APPROVAL

Improved traffic flow and safety in this corridor, as well as improved access to Chief Joseph Middle School.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

Street Impact Fees, SID, or incremental construction by developers. Current estimate is 50% SID/50% Impact Fees.

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF39

PROJECT NAME
Intersection Control - Ferguson & Durston

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$750,000			

DESCRIPTION OF PROJECT

Intersection Control

ALTERNATIVES CONSIDERED

Accept the current level of service (do nothing). Alternative financing could be provided by creating an SID or Payback District.

ADVANTAGES OF APPROVAL

Improved traffic flow and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF40

PROJECT NAME
Intersection Control - Main & Broadway

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$750,000				

DESCRIPTION OF PROJECT

Intersection Control

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

Improved traffic flow and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF4I

PROJECT NAME
Intersection Control - Ferguson & Babcock

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
			\$750,000		

DESCRIPTION OF PROJECT

Intersection Control

ALTERNATIVES CONSIDERED

Accept the current level of service (do nothing). Alternative financing could be provided by creating an SID or Payback District.

ADVANTAGES OF APPROVAL

Improved traffic flow and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF42

PROJECT NAME
Intersection Control - Baxter & Davis

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$750,000					

DESCRIPTION OF PROJECT

Intersection Control

ALTERNATIVES CONSIDERED

Accept the current level of service (do nothing). Alternative financing could be provided by creating an SID or Payback District.

ADVANTAGES OF APPROVAL

Improved traffic flow and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF43

PROJECT NAME
South 11th Ave, Opportunity to Arnold

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$275,000					

DESCRIPTION OF PROJECT

<div>This project is for the capacity expanding share of South 11th Avenue, Opportunity to Arnold Street. Also to include the west half of S 11th (approx 350' N of Opportunity) to provide connectivity.</div>

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: 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 for the capacity expanding share.

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF44

PROJECT NAME
Intersection Control, Ferguson & Oak Streets

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$750,000	

DESCRIPTION OF PROJECT

Intersection control at Ferguson and Oak Streets.

ALTERNATIVES CONSIDERED

Accept the current level of service (do nothing). Alternative financing could be provided by creating an SID or Payback District.

ADVANTAGES OF APPROVAL

Improved traffic flow and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET INT

PROJECT NUMBER
SIF45

PROJECT NAME						
INTERSECTION CONTROL, OAK AND 27TH AVENUE						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$750,000	

DESCRIPTION OF PROJECT

<div>Intersection control at Oak and 27th Avenues</div>

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

Minimal

FUNDING SOURCES

Proposed 60% Impact Fees and 40% Local Share (other).

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF46

PROJECT NAME
OAK STREET, NEW HOLLAND TO FERGUSON

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$4,800,000

DESCRIPTION OF PROJECT

This Project is the completion of the street segment of Oak Street, from New Holland to Ferguson. Currently, the south half of the street is missing, creating a bottleneck in the street network.

ALTERNATIVES CONSIDERED

Leave as-is. Wait for the developer to build the street.

ADVANTAGES OF APPROVAL

This project will expand the capacity of our street network and improve safety for drivers and pedestrians.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

minimal

FUNDING SOURCES

Street Impact Fees, Developer Contribution for local share, other. Total cost estimates are shown. Design \$800,000. Construction \$4,000,000.

CIP Project Fund
Impact Fees Streets

DEPARTMENT
STREET IF

PROJECT NUMBER
SIF47

PROJECT NAME
N 27TH AVE, TSCHACHE TO OAK STREET

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$2,200,000

DESCRIPTION OF PROJECT

This Project is the completion of the street segment of N 27th Avenue, between Oak Street and Tschache Road. Currently, the east half of the street is missing, creating a bottleneck in the street network.

ALTERNATIVES CONSIDERED

Leave as-is. Wait for the developer to build the street

ADVANTAGES OF APPROVAL

This project will expand the capacity of our street network and improve safety for drivers and pedestrians.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

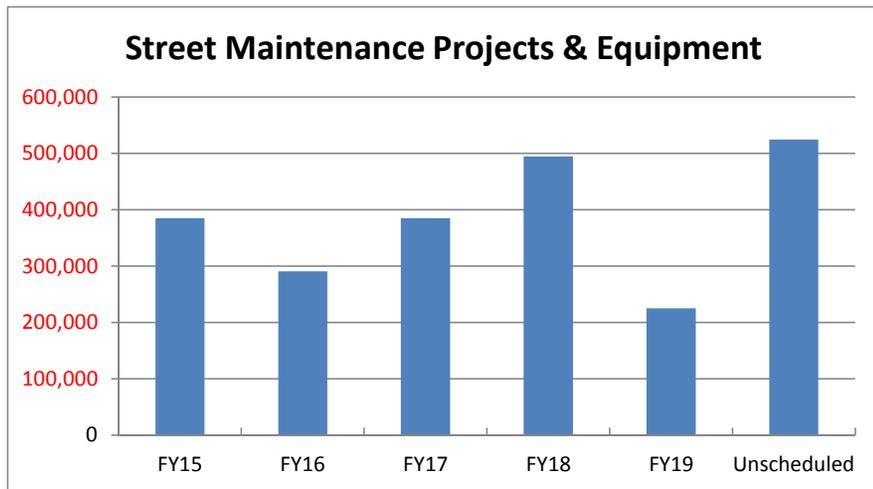
Street Impact Fees, Developer Contribution for local share, other. Total cost estimates are shown. Design \$360,000. Construction \$1,800,000.

**Street Maintenance District
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 268,000	\$ 268,000	\$ 225,138	\$ 279,698	\$ 243,713	\$ 126,397	
Plus: Street Mtc Revenues Dedicated to CIP	\$ 370,383	\$ 342,138	\$ 345,559	\$ 349,015	\$ 377,684	\$ 406,892	\$ -
Less: Scheduled CIP Project Costs	\$ (370,383)	\$ (385,000)	\$ (291,000)	\$ (385,000)	\$ (495,000)	\$ (225,000)	\$ (525,000)
Projected Year-End Cash Dedicated to CIP	\$ 268,000	\$ 225,138	\$ 279,698	\$ 243,713	\$ 126,397	\$ 308,288	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Undesignated Annual Street Mtc Revenues	\$ 2,419,647	\$ 2,419,647	\$ 2,443,843	\$ 2,468,282	\$ 2,492,965	\$ 2,517,894
Estimated Annual Increase - Attributed to Annexations	-	1%	1%	1%	1%	1%
Total Estimated Revenues	\$ 2,419,647	\$ 2,443,843	\$ 2,468,282	\$ 2,492,965	\$ 2,517,894	\$ 2,543,073
Current Revenues Dedicated to CIP %	14.0%	14.0%	14.0%	14.0%	14.0%	15.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	1.0%	1.0%
Total % Dedicated to CIP	14.0%	14.0%	14.0%	14.0%	15.0%	16.0%
Total Estimated Revenues Dedicated to CIP	\$ 338,751	\$ 342,138	\$ 345,559	\$ 349,015	\$ 377,684	\$ 406,892



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
Street Maintenance District									
PW01		STREETS	SHOPS FACILITY EXPANSION PLAN			\$10,000			
STR01		STREETS	STREET SERVICE TRUCKS		\$66,000		\$40,000		
STR11		STREETS	MEDIAN AND BOULEVARD MAINTENANCE	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
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	\$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
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		
STR41		STREETS	CITY-WIDE STRIPING DESIGN PLAN	\$50,000					
STR42		STREETS	ASPHALT HOT BOX	\$35,000					
STR43		STREETS	SELF PROPELLED, SELF LOADING ASPHALT MILLING MACHINE WITH TRAILER						\$275,000

<i>Summary for Street Maintenance District (15 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$385,000	\$291,000	\$385,000	\$495,000	\$225,000	\$525,000

CIP Project Fund
Street Maintenance District

DEPARTMENT
STREETS

PROJECT NUMBER
PW01

PROJECT NAME
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$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	FY15	FY16	FY17	FY18	FY19	Unscheduled
1134	1 TON, CHEVY C-3500	1988	115,245	3/4 TON, FLEX FUEL		\$26,000				
1096	CHEVY 1 TON FLAT BED	1986	100,881	1 TON, FLEX FUEL				\$40,000		
3081	SIGN & SIGNAL: 1 TON, 2W DRIVE, MANUAL, FORD F-350	1992	78,375	1 TON, FLEX FUEL		\$40,000				
1539	COMPACT TRUCK, 2WD FORD RANGER	1990	67,976	3/4 TON, FLEX FUEL						\$26,000.00
Totals						\$66,000		\$40,000		\$26,000

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Street Maintenance District

STREETS

STR II

PROJECT NAME

MEDIAN AND BOULEVARD MAINTENANCE

New

Replacement

Equipment

Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$25,000	\$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
STR20

PROJECT NAME
BIKE PATH IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$50,000	\$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

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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
STR38

PROJECT NAME
Mini Loader

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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 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

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
Street Maintenance District

DEPARTMENT
STREETS

PROJECT NUMBER
STR41

PROJECT NAME
City-wide Striping Design Plan

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$50,000					

DESCRIPTION OF PROJECT

This project would create a comprehensive striping plan for streets, bike lanes, etc. around the entire City.

ALTERNATIVES CONSIDERED

Do not develop the plan.

ADVANTAGES OF APPROVAL

We have a tool for staff to rely on to plan our street striping activities.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

100% Street Maintenance Funds

CIP Project Fund
Street Maintenance District

DEPARTMENT
Streets

PROJECT NUMBER
STR42

PROJECT NAME
Asphalt Hot Box

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$35,000					

DESCRIPTION OF PROJECT

The asphalt hot box would allow crews to continue patching in the winter. We have the ability to make recycled hot asphalt just no way to transport it and keep it warm. This would also give us the tools needed to patch any utility cuts made in the winter rather than repairing the cut on a daily basis through the winter.

ALTERNATIVES CONSIDERED

Continue with current operations with the ability to only patch street when the weather is warm. Only make temporary patches that must be redone until the asphalt plant opens

ADVANTAGES OF APPROVAL

Better for traveling public year round. Less damage to snow plows when they hit a failed repair under the snow.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal. Propane for heating the box.

FUNDING SOURCES

100% Street Maintenance Funds

CIP Project Fund
Street Maintenance District

DEPARTMENT
Streets

PROJECT NUMBER
STR43

PROJECT NAME
Self Propelled, Self Loading Asphalt Milling Machine with Trailer

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$275,000

DESCRIPTION OF PROJECT

This will be a milling machine to do projects larger than patching. This machine grinds off the top 2; of asphalt so that a new layer can be replaced. We would be able to pave larger areas of streets and alleys. Repairs of streets with multiple utility cuts could be done without waiting to contract it out or just let it deteriorate.

ALTERNATIVES CONSIDERED

Contract out or wait until street needs to be reconstructed.

ADVANTAGES OF APPROVAL

Savings to street budget from doing large repairs before street falls apart. Repave a single block when only the one block needs to be repaved. Mill intersections so pavement crossings can be replaced with hot tape.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Operating costs plus the additional asphalt that will be used in our expanded street repair programs.

FUNDING SOURCES

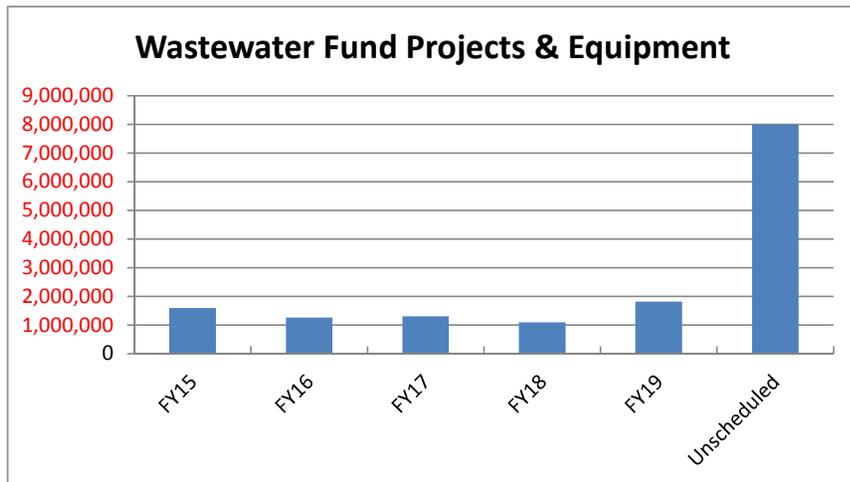
100% Street Maintenance Funds

**Wastewater Fund
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 1,899,728	\$ 2,024,582	\$ 1,750,941	\$ 1,846,106	\$ 1,942,462	\$ 2,295,579	\$ -
Plus: Wastewater Revenues Dedicated to CIP	\$ 1,278,504	\$ 1,316,859	\$ 1,356,365	\$ 1,397,056	\$ 1,438,967	\$ 1,482,137	\$ -
Less: Scheduled CIP Project Costs	\$ (1,153,650)	\$ (1,590,500)	\$ (1,261,200)	\$ (1,300,700)	\$ (1,085,850)	\$ (1,810,050)	\$ (8,000,000)
Projected Year-End Cash Dedicated to CIP	\$ 2,024,582	\$ 1,750,941	\$ 1,846,106	\$ 1,942,462	\$ 2,295,579	\$ 1,967,666	\$ (8,000,000)

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Wastewater Revenues	\$ 6,206,330	\$ 6,392,520	\$ 6,584,295	\$ 6,781,824	\$ 6,985,279	\$ 7,194,837
Estimated Annual Increase	3.0%	3%	3%	3%	3%	3%
Total Estimated Revenues	\$ 6,392,520	\$ 6,584,295	\$ 6,781,824	\$ 6,985,279	\$ 7,194,837	\$ 7,410,683
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	\$ 1,278,504	\$ 1,316,859	\$ 1,356,365	\$ 1,397,056	\$ 1,438,967	\$ 1,482,137



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Wastewater Fund

WW35	PUBLIC WORKS	GRANITE XP UPGRADE		\$18,000					
WW36	PUBLIC WORKS	WEB MAPPING SYSTEM INTEGRATION	\$45,000						
WW27	WRF PLANT	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					\$350,000	\$2,200,000	
WW33	WRF PLANT	INSTALL SECOND SCREW PRESS AND ENCLOSURE							\$220,000
WW35	WRF PLANT	REPLACE COMMERCIAL MOWER		\$13,000					
WW36	WRF PLANT	UPGRADE TRUCK BARN	\$36,000						
WW37	WRF PLANT	UPGRADE OLD PLC'S AND FIRMWARE	\$29,000						
WW38	WRF PLANT	#3 PERFORATED SCREEN & WASHER COMPACTOR		\$140,000					
WW39	WRF PLANT	SANDBLAST & PAINT OLD CLARIFIER DRIVES, BEACHES, BAFFLES & WEIRS (6 TOTAL)	\$15,000	\$15,000	\$15,000				
WW40	WRF PLANT	UV BUILDING SHADING MATERIAL	\$15,000						
WW41	WRF PLANT	REPLACE 4" DUCTILE PIPE THROUGH DEWATERING BASEMENT WITH GLASS LINED PIPE	\$15,000						
WW42	WRF PLANT	PRIMARY CLARIFIER COVERS			\$350,000		\$350,000	\$350,000	
WW43	WRF PLANT	SEAL MIXER FLANGES ON DIGESTER 1	\$20,000						
WW44	WRF PLANT	MODIFY FLOTATION THICKENER							
WW45	WRF PLANT	FINAL CLARIFIER LAUNDER COVERS	\$40,000	\$40,000	\$40,000	\$40,000			
WW46	WRF PLANT	CONCRETE PAD FOR ROLLOFF TRUCK CONTAINERS.	\$14,000						

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
	PW01	WW OPS	SHOPS FACILITY EXPANSION PLAN			\$10,000			
	WW07	WW OPS	ENGINEERING/DESIGN FOR ANNUAL WASTEWATER PIPE REPLACEMENTS	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	
	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		
	WW08-19	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2019					\$1,027,550	
	WW26	WW OPS	FLUSHER VAC TRUCK REPLACEMENT	\$365,000					
	WWIF15	WWATER IF	FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN AND LIFT STATION						

<i>Summary for Wastewater Fund (27 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$1,590,500	\$1,261,200	\$1,300,700	\$1,085,850	\$1,810,050	\$8,000,000

CIP Project Fund
Wastewater Fund

DEPARTMENT
WW OPS

PROJECT NUMBER
PW01

PROJECT NAME
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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
WW07

PROJECT NAME					
ENGINEERING/DESIGN for ANNUAL WASTEWATER PIPE REPLACEMENTS					

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

PROJECT NUMBER
WW08-15

PROJECT NAME
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2015

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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

PROJECT NUMBER
WW08-17

PROJECT NAME					
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2017					

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$803,200			

DESCRIPTION OF PROJECT

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. Babcoc 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

PROJECT NUMBER
WW08-18

PROJECT NAME						
WASTEWATER PIPE REPLACEMENT PROGRAM - Construcion in 2018.						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
			\$963,350		

DESCRIPTION OF PROJECT

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
WW08-19

PROJECT NAME
WASTEWATER PIPE REPLACEMENT PROGRAM - Construction in 2019

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$1,027,550	

DESCRIPTION OF PROJECT

PROJECT AREA: Alley W of S 10th Ave: Alley N of Olive- W. Koch St. Alley W of S 10th Ave: N of Dickerson – W. Alderson St. Alley W of S 10th Ave: N of College- W. College St. W. Curtiss St: S. 10th Ave-Alley W of S. 10th. W. Curtiss St.: Alley W of S. 11th. Chequamegon Village: All internal mains. W. Koch St: Alley W of S. 10th- Alley W of S. 12th. Alley W of S 11th Ave: Alley S of Alderson – University. W. Villard St: N. 7th Ave- N. 8th Ave. N. 8th Ave: W. Villard – W. Beall St. N. 8th Ave: W. Beall St – W. Mendenhall St. Alley N of Main St: N. 9th Ave _ N. 7th Ave. Alley W of 8th Ave: W. Durston Rd – W. Villard St. W. Villard St : Alley W of N 8th – N. 9th Ave. N. 9th Ave: W. Villard St – W. Main St. W. Beall St: N. 8th Ave – N. 9th Ave. Alley W of 9th Ave: W. Durston Rd – W. Villard St. W. Villard St: Alley W of 9th Ave – N. 10th Ave. N. 10th Ave : W. Villard St- W. Main St. Alley W. of 10th Ave: W. Durston Rd – W. Mendenhall St. W. Lamme St: N. 9th Ave – N. 11th Ave. After budget approval July 1, 2018, this project would complete design, bid and begin construction in the Spring/Summer of 2019, 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

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$365,000					

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

Watershed Study and Stream Modeling

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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	DEPARTMENT					PROJECT NUMBER
Wastewater Fund	WRF PLANT					WW28
PROJECT NAME						<input checked="" type="checkbox"/> New
DESIGN PHASE II - WRF PLANT IMPROVEMENTS						<input type="checkbox"/> Replacement
FY15	FY16	FY17	FY18	FY19	Unscheduled	<input type="checkbox"/> Equipment
					\$5,230,000	<input checked="" type="checkbox"/> Project

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

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$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. Year 1: Project Feasibility Study. Year 2: Project Engineering Design - \$350,000. Year 3: Equipment Purchase and Installation - \$2,200,000.

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
WW33

PROJECT NAME
Install second Screw Press and Enclosure

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$220,000

DESCRIPTION OF PROJECT

Engineering study and installation of screw press with or without an enclosure.

ALTERNATIVES CONSIDERED

Increase sludge storage to delay the problem of limited processing capacity.

ADVANTAGES OF APPROVAL

The second screw press would provide needed redundancy if a screw press breaks down. It would provide extra sludge processing capacity now and for future needs.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

If used to increase processing capacity, the extra operating costs would include electricity, polymer use and additional cake hauling.

FUNDING SOURCES

Wastewater Fund

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW35

PROJECT NAME
Replace Commercial Mower

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$13,000				

DESCRIPTION OF PROJECT

Replacement of 2001 Mower for use on the WRF grounds.

ALTERNATIVES CONSIDERED

Continue replacing parts as needed.

ADVANTAGES OF APPROVAL

Replacement parts will become more difficult to find as the mower ages. The increasing maintenance will mean less time for groundskeeping.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs. May reduce maintenance costs.

FUNDING SOURCES

Wastewater Funds.

CIP Project Fund
Wastewater Fund

DEPARTMENT
PUBLIC WORKS

PROJECT NUMBER
WW35

PROJECT NAME						
GRANITE XP UPGRADE						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$18,000				

DESCRIPTION OF PROJECT

We currently use a Microsoft Access based solution (GraniteXP) for storing our Sewer/Stormwater CCTV inspection records. This project will upgrade the database to a Microsoft SQL format.

ALTERNATIVES CONSIDERED

Keep using Microsoft Access.

ADVANTAGES OF APPROVAL

Microsoft SQL provides a more stable database platform for long-term storage of CCTV data. This also provides the ability to integrate with other systems as well as improved reporting capabilities.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Potential for increased annual software maintenance costs.

FUNDING SOURCES

General Fund

CIP Project Fund
Wastewater Fund

DEPARTMENT
PUBLIC WORKS

PROJECT NUMBER
WW36

PROJECT NAME
WEB MAPPING SYSTEM INTEGRATION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$45,000					

DESCRIPTION OF PROJECT

Database system integration throughout the organization will provide users with (read-only) access to the most current and reliable information specific to their needs within one browser. This project will integrate the following databases through customized GIS (web) views for each Department: Sungard, Cityworks, MicroPAVER, Laserfiche, Firehouse, DOR ORION, etc.

ALTERNATIVES CONSIDERED

Keep database systems isolated.

ADVANTAGES OF APPROVAL

This project will provide access to a variety of information, thus leveraging the power of individual systems in one easy-to-use format.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Maintenance (first year included) = \$7,000

FUNDING SOURCES

There are numerous funding sources, including the Utility Funds, General Fund, Street Assessment Fund. At budget time, the full project costs will be split among the group.

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW36

PROJECT NAME
Upgrade Truck Barn

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$36,000					

DESCRIPTION OF PROJECT

Upgrade truck barn to provide storage for rolloffs; frame, insulate, sheetrock and heat 1/2 of truck barn for rolloff storage during winter months.

ALTERNATIVES CONSIDERED

Build a heated storage building to house rolloffs during winter months.

ADVANTAGES OF APPROVAL

No additional storage area would have to be built saving the structure construction costs.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional costs.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW37

PROJECT NAME
Upgrade Old PLC's and Firmware

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$29,000					

DESCRIPTION OF PROJECT

THREE PLC'S WILL HAVE THEIR PROCESSORS UPGRADED AND ALL PLC'S WILL HAVE THEIR FIRMWARE UPGRADED. A NEWER VERSION OF PROGRAMMING SOFTWARE WILL BE INSTALLED.

ALTERNATIVES CONSIDERED

Do nothing.

ADVANTAGES OF APPROVAL

THE CITY WILL BE ABLE TO HAVE A STANDARD VERSION OF FIRMWARE AND SOFTWARE THAT WILL ALLOW UPGRADING ALL PLC'S AT THE WRF IN THE FUTURE

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No new operating costs.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW38

PROJECT NAME
#3 Perforated Screen & Washer Compactor

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$140,000				

DESCRIPTION OF PROJECT

Extensive Engineering will be needed to install an additional influent huber screen in head works building because of limited space. Additional screening capacity is needed because during a storm event this summer the influent flow meter pegged out over 15 mgd.

ALTERNATIVES CONSIDERED

Do nothing.

ADVANTAGES OF APPROVAL

THE TWO EXISTING SCREENS ARE RUNNING MOST OF THE YEAR SO IF ONE GOES DOWN THERE IS NO REDUNDANCY. HAVING A THIRD SCREEN WOULD PREVENT A HIGH FLOW EVENT FROM OVER FLOWING THE BYPASS CHANNEL INFLUENT GATE. THIS UNSCREENED FLOW CONTAINS MATERIAL THAT CAN PLUS PIPING AND PUMPS CAUSING DAMAGE & EXTRA MAINTENANCE.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

IF PLACED IN A TWO SCREEN ROTATION, THE ONLY EXTRA COSTS WOULD BE AN ANNUAL INSPECTION WITH PARTS REPLACEMENT PLUS CLEANING OF THE SCREEN & CHANNEL IT IS IN. IF USED TO INCREASE CAPACITY, EXTRA ELECTRICITY WOULD BE USED BUT LESS CHANNEL CLEANING WOULD NEED TO BE PERFORMED.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW39

PROJECT NAME
Sandblast & Paint old clarifier drives, beaches, baffles & weirs (6 total)

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$15,000	\$15,000	\$15,000			

DESCRIPTION OF PROJECT

Sandblast and paint old clarifier drives, beaches, baffles weirs.

ALTERNATIVES CONSIDERED

Do nothing

ADVANTAGES OF APPROVAL

Replace lost & chipping paint on old clarifiers to prevent deterioration of existing infrastructure.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No new operating costs.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW40

PROJECT NAME						
UV Building Shading Material						

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$15,000					

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

Netting or covering to place over roof and sides of UV Building during the summer to reduce solar radiation heating the building.

ALTERNATIVES CONSIDERED

Installing a larger cooling system in the PLC compartment.

ADVANTAGES OF APPROVAL

LESS POWER WOULD BE USED BY THE VENTILATION SYSTEM AND THE PLC COOLING SYSTEM. KEEPING THE PLC CABINET COOLER WILL PREVENT THE UPS FROM FAULTING. THIS UPS POWER THE PLC AND THE TROJAN UV CONTROL SYSTEM. WHEN THE UV SYSTEM LOOSES POWER IT FAULTS TO A CONDITION OF ALL CHANNELS OPEN AND ALL LAMPS ON. THIS CONDITIONS IS NOT NEEDED TO REDUCE E-COLI BACTERIA AND WASTES POWER.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Man hours needed to place the shading on in the spring and take the shading off in the fall.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW41

PROJECT NAME						
Replace 4" Ductile Pipe Through Dewatering Basement with Glass Lined Pipe						

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$15,000					

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

Replace 4; Cement Lined Ductile Pipe with Glass Lined pipe in the basement of sludge de-watering building.

ALTERNATIVES CONSIDERED

Do nothing

ADVANTAGES OF APPROVAL

THIS PIPE IS INSTALLED IN THE CEILING OF THE SLUDGE DE-WATERING BUILDING BASEMENT WITH NUMEROUS ELBOWS WHICH DOES NOT ALLOW ACCESS TO FLUSHING FOR REMOVAL OF STRUVITE OR BLOCKAGES. INSTALLING GLASS LINED PIPE & FITTINGS WILL REDUCE THE POSSIBILITY OF NEEDING TO FLUSH THE PIPE.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional costs.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW42

PROJECT NAME						
Primary Clarifier Covers						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$350,000		\$350,000	\$350,000

DESCRIPTION OF PROJECT

INSTALLING A GEODESIC DOME COVER WITH 8 FOOT SIDE WALLS ON A PRIMARY CLARIFIER. THE INSTALLATION WOULD INCLUDE A DOOR, TWO SKYLIGHTS AND A VENT TUBE. ALSO CLARIFIER DRIVE MOTOR AND CONTROLS WOULD HAVE TO BE EXPLOSION PROOF.

ALTERNATIVES CONSIDERED

Do nothing

ADVANTAGES OF APPROVAL

COVERING THE PRIMARY CLARIFIERS WILL ALLOW ODOR CONTROL & ELIMINATE CLEANING & PAINTING. CLEANING & PAINTING OF ALL RAILINGS AND CATWALKS IS AN ON-GOING MAINTENANCE ISSUE TO REMOVE GREASE & DROPPINGS DEPOSITED BY BIRDS. COVERS ON PRIMARY CLARIFIERS WOULD ALLOW SOME CLARIFIERS NOT TO BE USED DURING THE WINTER ALLOWING MORE NEEDED CARBON TO ENTER THE BIO-TRAINS.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Only maintenance of odor control would be additional.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW43

PROJECT NAME
Seal Mixer Flanges on Digester I

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$20,000					

DESCRIPTION OF PROJECT

This project replaces the concrete that has been eaten away by H2S on the mixer flanges of Digester I, extending its useful life and improving operator safety. The mixers would have to be pulled and the concrete sealing surface under the mixer flanges rebuilt.

ALTERNATIVES CONSIDERED

Inject epoxy into flange area to seal flange.

ADVANTAGES OF APPROVAL

REPLACE CONCRETE THAT HAS BEEN EATEN AWAY BY H2S TO INSURE STRUCTURAL INTEGRITY OF THE MIXER SUPPORT AREA AND PROVIDE A TIGHT SEAL. PREVENT H2S AND METHANE GAS LEAKAGE FOR OPERATOR SAFETY.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW44

PROJECT NAME
Modify Flotation Thickener

- New
- Replacement
- Equipment
- Project

FY15 FY16 FY17 FY18 FY19 Unscheduled

DESCRIPTION OF PROJECT

Modify the existing flotation thickener to improve WRF processes.

ALTERNATIVES CONSIDERED

INCREASE THE BIO-TRAIN MASS, ADD $Mg(OH)_2$ AND MICRO C 2000 TO THE BIO-TRAINS TO TREAT THE INCREASED AMMONIA LOAD

ADVANTAGES OF APPROVAL

Treating the return side stream will reduce the load on the bio-trains and reduce chemical costs associated with these loads.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Electrical costs for compressor, mixer and pumps.

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW45

PROJECT NAME
Final Clarifier Launder Covers

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$40,000	\$40,000	\$40,000	\$40,000		

DESCRIPTION OF PROJECT

To cover effluent launder of one final clarifier a year (4 total) to eliminate algal growth in the launder. THE BRUSH SYSTEM REQUIRES CONTINUAL MAINTENANCE. THERE IS RISK OF BRUSHES BREAKING OFF AND FALLING INTO THE CLARIFIER THAT MAY BLOCK THE WASTING HOPPER

ALTERNATIVES CONSIDERED

CURRENTLY A BRUSH SYSTEM IS USED TO REDUCE THE AMOUNT OF ALGAL GROWTH WHICH REQUIRES CONTINUAL MAINTENANCE.

ADVANTAGES OF APPROVAL

COVERING THE CLARIFIERS WILL ELIMINATE CURRENT MAINTENANCE AND HELP REDUCE POTENTIAL HAZZARDS. MAINTENANCE WOULD BE CUT TO TWICE A YEAR ALLOWING OPERATORS TO SPEND TIME ON OTHER DUTIES AT THE PLANT.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Reduce oeprating costs (time & materials)

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WRF PLANT

PROJECT NUMBER
WW46

PROJECT NAME
Concrete Pad for Rolloff Truck Containers.

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$14,000					

DESCRIPTION OF PROJECT

Pour 20'x40' concrete pad or two tracks to support steel wheels of sludge cake hauling rolloffs in front and behind truck loading garage.

ALTERNATIVES CONSIDERED

Lay Steel strips anchored on asphalt to support steel wheels

ADVANTAGES OF APPROVAL

STEEL REINFORCED CONCRETE WOULD BE PURED WHERE THE ASPHALT HAS BEEN REMOVED, WITH A STEEL PLATE ON TOP EVEN WITH THE ASPHALT SURFACE. THIS CONFIGURATION WOULD BE STRONGER AND BE A LEVEL SURFACE THAT WILL ALLOW EASIER SNOW PLOWING

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional costs

FUNDING SOURCES

Wastewater Funds

CIP Project Fund
Wastewater Fund

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF15

PROJECT NAME

FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN AND LIFT STATION

FY15

FY16

FY17

FY18

FY19

Unscheduled

New

Replacement

Equipment

Project

DESCRIPTION OF PROJECT

THIS PROJECT IS PRIMARILY AN IMPACT FEE ELIGIBLE PROJECT. How much of the project costs will be borne by the Utility is uncertain at this point in time. The 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. \$200,000 in design costs and \$13,300,000 in construction costs.

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

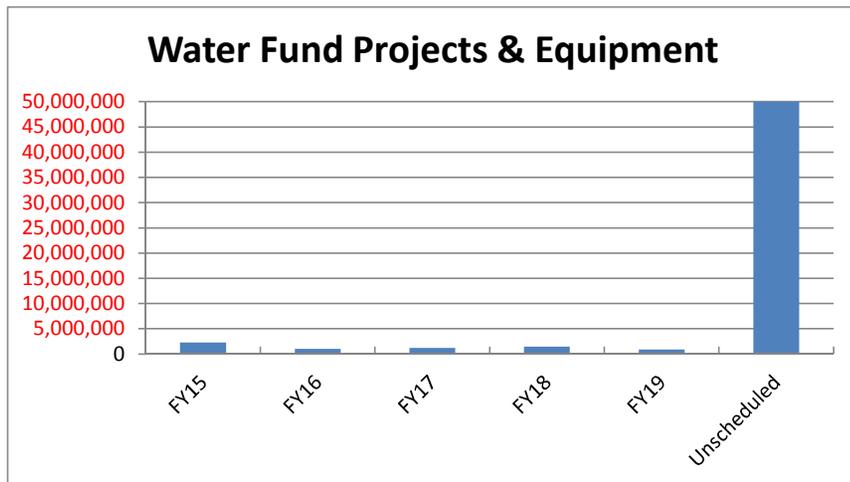
70% Wastewater Impact Fees (est.) = \$9.3M 30% Development contribution = \$4M. Some of this project could potentially be funded with Utility dollars, or a loan for the impact fee portion of the project underwritten by the Utility.

**Water Fund
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 2,418,979	\$ 2,754,716	\$ 1,934,557	\$ 2,413,160	\$ 2,777,478	\$ 3,012,993	\$ -
Plus: Water Revenues Dedicated to CIP	\$ 1,392,402	\$ 1,455,061	\$ 1,520,538	\$ 1,588,962	\$ 1,660,466	\$ 1,726,884	\$ -
Less: Scheduled CIP Project Costs	\$ (1,056,665)	\$ (2,275,220)	\$ (1,041,935)	\$ (1,224,645)	\$ (1,424,950)	\$ (861,000)	\$ (50,000,000)
Projected Year-End Cash Dedicated to CIP	\$ 2,754,716	\$ 1,934,557	\$ 2,413,160	\$ 2,777,478	\$ 3,012,993	\$ 3,878,878	\$ (50,000,000)

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Water Revenues	\$ 6,962,012	\$ 6,962,012	\$ 7,275,303	\$ 7,602,691	\$ 7,944,812	\$ 8,302,329
Estimated Annual Increase	0.0%	4.5%	4.5%	4.5%	4.5%	4.0%
Total Estimated Revenues	\$ 6,962,012	\$ 7,275,303	\$ 7,602,691	\$ 7,944,812	\$ 8,302,329	\$ 8,634,422
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	\$ 1,392,402	\$ 1,455,061	\$ 1,520,538	\$ 1,588,962	\$ 1,660,466	\$ 1,726,884



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Water Fund

W33	PUBLIC WORKS	WATER SUPPLY CAPITAL IMPROVEMENTS							\$50,000,000
W34	PUBLIC WORKS	WATER COST OF SERVICE AND RATE STUDY		\$50,000					
WIF03	WATER IF	5.3MG CONCRETE WATER STORAGE RESERVOIR							
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		
W04-15	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			
W04-19	WATER OPS	WATER PIPE REPLACEMENT PROGRAM - CONSTRUCTION IN 2019						\$838,500	
W28	WATER OPS	CL-12 WATER TAP MACHINE	\$20,000						
W29	WATER OPS	LEAK CORRELATOR	\$45,000						
W32	WATER OPS	LINE 18" PIPE FROM PLANT TO SOURDOUGH BYPASS	\$1,000,000						
W25	WATER PLANT	REPLACEMENT VEHICLE			\$45,000				
W30	WATER PLANT	GAUGING STATIONS	\$40,000						
W31	WATER PLANT	SOURDOUGH TANK REPAIR			\$50,000	\$450,000			

CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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<i>Summary for Water Fund (16 items)</i>				<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$2,275,220	\$1,041,935	\$1,224,645	\$1,424,950	\$861,000	\$50,000,000

CIP Project Fund
Water Fund

DEPARTMENT
WATER OPS

PROJECT NUMBER
PW01

PROJECT NAME
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

FY15	FY16	FY17	FY18	FY19	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

DEPARTMENT

PROJECT NUMBER

Water Fund

WATER OPS

W04-15

PROJECT NAME

WATER PIPE REPLACEMENT PROGRAM - Construction in 2015

New

Replacement

Equipment

Project

FY15

FY16

FY17

FY18

FY19

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

FY15	FY16	FY17	FY18	FY19	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

PROJECT NUMBER
W04-17

PROJECT NAME
WATER PIPE REPLACEMENT PROGRAM - Construction in 2017

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$1,097,145			

DESCRIPTION OF PROJECT

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

PROJECT NUMBER
W04-18

PROJECT NAME						
WATER PIPE REPLACEMENT PROGRAM - Construction in 2018						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
			\$952,450		

DESCRIPTION OF PROJECT

PROJECT AREA: S 6th Ave: W. Harrison Ave- W Olive S: 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
W04-19

PROJECT NAME						
WATER PIPE REPLACEMENT PROGRAM - Construction in 2019						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
				\$838,500	

DESCRIPTION OF PROJECT

PROJECT AREA: S 7th Ave: W. Harrison Ave-W. Story St: W. Harrison Ave: S.8th Ave- S 7th Ave : W. Harrison Ave. S. 5th Ave.- S. 4th Ave: W. Harrison Ave. : S. 4th Ave. _ S. 3rd Ave.: S.5th Ave: W. Garfield St- W. College St. After budget approval July 1, 2018, this project would complete design, bid and begin construction in the Spring/Summer of 2019, 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

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 PLANT

PROJECT NUMBER
W25

PROJECT NAME						
Replacement Vehicle						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$45,000			

DESCRIPTION OF PROJECT

Replacement 4-wheel Drive 1/2 Ton pick-up, replaces 1997 3/4 ton pick-up that currently has 99,400 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

PROJECT NUMBER
W28

PROJECT NAME						
CL-12 Water Tap machine						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$20,000					

DESCRIPTION OF PROJECT

This machine enables us to make water taps on water mains ranging in size from 4” to 12” in diameter.

ALTERNATIVES CONSIDERED

Have a contractor contract with a contract vendor to do these taps. Currently we do all live taps.

ADVANTAGES OF APPROVAL

This machine is over 40 years old and has been refurbished aprox. 7 years ago. It has made hundreds of taps and recently has shown signs of failure.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Fund. We do charge contractors for this service and expect a 5 to 7 years payback depending on growth.

CIP Project Fund
Water Fund

DEPARTMENT
Water Ops

PROJECT NUMBER
W29

PROJECT NAME						
Leak Correlator						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$45,000					

DESCRIPTION OF PROJECT

This correlator would replace the current one that is 7 years old and showing signs of aging. This piece of equipment has proven to be highly successful in finding leaks and is and will be instrumental in our water conservation program.

ALTERNATIVES CONSIDERED

To continue to use the old unit that has increasing down time due to repairs. Subcontract the leak detection out at a cost of \$1,000.00 a day.

ADVANTAGES OF APPROVAL

To have a unit that will be more reliable than our current unit.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund
Water Fund

DEPARTMENT
WATER PLANT

PROJECT NUMBER
W30

PROJECT NAME
Gauging Stations

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$40,000					

DESCRIPTION OF PROJECT

Per the adopted Integrated Water Resources Plan recommendation, install a new stream gauge on Sourdough Creek and replace existing gauging equipment on Lyman Creek. A suitable location stream gauge location must be identified for Sourdough Creek above the City's intake diversion and a monitoring protocol developed. An existing gauge site exists on Lyman Creek but the equipment to operate the gauge is no longer functional and must be replaced.

ALTERNATIVES CONSIDERED

Do not install stream gauges.

ADVANTAGES OF APPROVAL

Provides monitoring data on all of City's water sources. Data is important to monitor drought conditions and seasonal variability in supply as well as facilitate future updates to reliable yield hydrology.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs. Gauge monitoring to become standard operating procedure for water treatment plant personnel.

FUNDING SOURCES

Water Fund

CIP Project Fund
Water Fund

DEPARTMENT
WATER PLANT

PROJECT NUMBER
W31

PROJECT NAME
Sourdough Tank Repair

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$50,000	\$450,000		

DESCRIPTION OF PROJECT

The Sourdough Tank leaks. It has a large crack, the dome is deteriorating. The drain and overflow pipes need replacement.

ALTERNATIVES CONSIDERED

Do nothing or build a new tank.

ADVANTAGES OF APPROVAL

Repairing the tank will extend the life of the tank and stop the wasting of water from the leak.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None

FUNDING SOURCES

Water Fund

CIP Project Fund
Water Fund

DEPARTMENT
WATER OPS

PROJECT NUMBER
W32

PROJECT NAME						
Line 18" Pipe from Plant to Sourdough Bypass						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$1,000,000					

DESCRIPTION OF PROJECT

This project would use a lining procedure to treat the water supply pipe that comes from the Water Treatment Plant into town. There is difficulty repairing this critical pipe.

ALTERNATIVES CONSIDERED

Leave as is. Pursue other full replacement methods for the aging pipe.

ADVANTAGES OF APPROVAL

This is viewed as one of the lowest cost options to significantly manage the risks of pipe failure.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

Water Fund

CIP Project Fund
Water Fund

DEPARTMENT
PUBLIC WORKS

PROJECT NUMBER
W33

PROJECT NAME
WATER SUPPLY CAPITAL IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$50,000,000

DESCRIPTION OF PROJECT

The Integrated Water Resource Plan (IWRP) calls out the long term need to fund capital improvements related to the City's water supply. The current rough estimate of cost totals \$50 million. While these costs will be impact fee eligible, we are uncertain how much to add to the Water Impact Fee CIP, as the current Impact Fee was adopted without a calculation for water supply costs. Actual costs will depend on community growth, conservation success and results of engineering analysis conducted as part of the water master plan update.

ALTERNATIVES CONSIDERED

The IWRP considers many alternatives for water supply.

ADVANTAGES OF APPROVAL

Improving our water supply capital will allow the City to grow into the future, with adequate water for citizens, businesses, and visitors.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Until the chosen alternative is known, operating costs can not be determined.

FUNDING SOURCES

Water Fund, including Cash In Lieu of Water; Water Impact Fees

CIP Project Fund
Water Fund

DEPARTMENT
PUBLIC WORKS

PROJECT NUMBER
W34

PROJECT NAME
WATER COST OF SERVICE AND RATE STUDY

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$50,000				

DESCRIPTION OF PROJECT

The Implementation plan for the Integrated Water Resource Plan (IWRP) calls for an updated cost of service and rate study. This is also a best practice for Utility management, especially after a significant system upgrade, such as the Water Treatment Plant project. We expect the plan to also offer options for further water conservation pricing programs.

ALTERNATIVES CONSIDERED

Keep the existing rate structure and limited conservation pricing (currently, residential only, inclined block rates)

ADVANTAGES OF APPROVAL

Our user charges will better match the actual cost of service. Hopefully, we will be able to further incentivize water conservation.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

None.

FUNDING SOURCES

Water Fund

CIP Project Fund
Water Fund

DEPARTMENT
WATER IF

PROJECT NUMBER
WIF03

PROJECT NAME
5.3MG CONCRETE WATER STORAGE RESERVOIR

FY15 FY16 FY17 FY18 FY19 Unscheduled

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

THIS PROJECT IS PRIMARILY AN IMPACT FEE ELIGIBLE PROJECT. How much of the project costs will be borne by the Utility is uncertain at this point in time. 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.

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

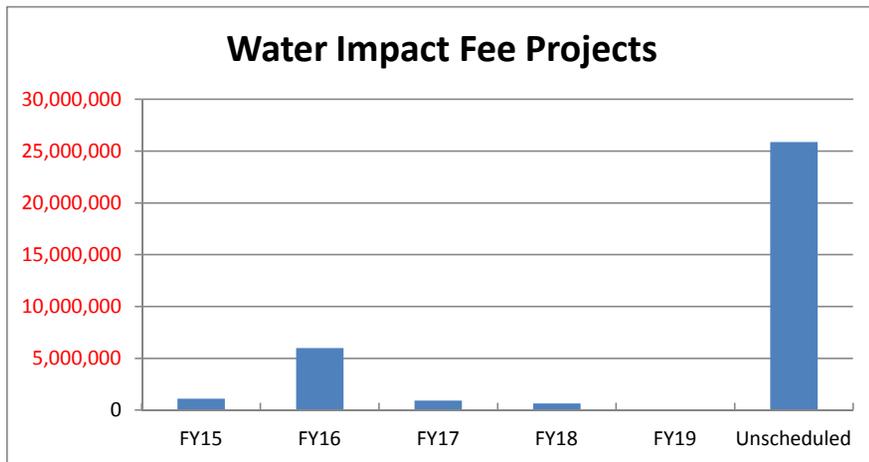
100% Water Impact Fees. Some of this project could potentially be funded with Utility dollars, or a loan for the project underwritten by the Utility.

**Water Impact Fee
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ -	\$ -	\$ 124,890	\$ 354,277	\$ 875,628	\$ -
Plus: Impact Fee Revenues Dedicated to CIP	\$ 933,500	\$ 1,083,242	\$ 1,127,005	\$ 1,149,545	\$ 1,172,536	\$ 1,195,987	\$ -
Plus: Loan for WIF03 - 5.3MG Storage Reservoir			\$ 5,000,000				
Less: Scheduled CIP Project Costs	\$ (933,500)	\$ (1,083,242)	\$ (6,002,115)	\$ (920,158)	\$ (651,185)	\$ -	\$ (25,880,000)
Projected Year-End Cash Dedicated to CIP	\$ -	\$ -	\$ 124,890	\$ 354,277	\$ 875,628	\$ 2,071,615	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Water Impact Fee Revenues	\$ 933,500	\$ 1,083,242	\$ 1,104,907	\$ 1,127,005	\$ 1,149,545	\$ 1,172,536
Estimated Annual Increase	0.0%	2%	2%	2%	2%	2%
Total Estimated Revenues	\$ 933,500	\$ 1,104,907	\$ 1,127,005	\$ 1,149,545	\$ 1,172,536	\$ 1,195,987
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	\$ 933,500	\$ 1,104,907	\$ 1,127,005	\$ 1,149,545	\$ 1,172,536	\$ 1,195,987



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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Impact Fees
Water

W33	PUBLIC WORKS	WATER SUPPLY CAPITAL IMPROVEMENTS							
WIF03	WATER IF	5.3MG CONCRETE WATER STORAGE RESERVOIR	\$300,000	\$5,000,000					
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	\$383,242	\$902,115	\$920,158	\$501,185			
WIF09	WATER IF	COTTONWOOD/STUCKY TRUNK MAIN LOOP							\$4,200,000
WIF10	WATER IF	WATER MASTER PLAN UPDATE	\$350,000						
WIF11	WATER IF	WATER MAIN EXTENSION - FERGUSON AVE (DURSTON TO OAK STREET)		\$100,000					
WIF12	WATER IF	WATER MAIN EXTENSION - SOUTH 11TH (OPPORTUNITY TO ARNOLD STREET)	\$50,000						

<i>Summary for Impact Fees Water (9 items)</i>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>	\$1,083,242	\$6,002,115	\$920,158	\$651,185		\$25,880,000

CIP Project Fund
Impact Fees Water

DEPARTMENT
PUBLIC WORKS

PROJECT NUMBER
W33

PROJECT NAME
WATER SUPPLY CAPITAL IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY15 FY16 FY17 FY18 FY19 Unscheduled

DESCRIPTION OF PROJECT

The Integrated Water Resource Plan (IWRP) calls out the long term need to fund capital improvements related to the City's water supply. The current rough estimate of cost totals \$50 million. While these costs will be impact fee eligible, we are uncertain how much to add to the Water Impact Fee CIP, as the current Impact Fee was adopted without a calculation for water supply costs. Actual costs will depend on community growth, conservation success and results of engineering analysis conducted as part of the water master plan update.

ALTERNATIVES CONSIDERED

The IWRP considers many alternatives for water supply.

ADVANTAGES OF APPROVAL

Improving our water supply capital will allow the City to grow into the future, with adequate water for citizens, businesses, and visitors.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Until the chosen alternative is known, operating costs can not be determined.

FUNDING SOURCES

Water Fund, including Cash In Lieu of Water; Water Impact Fees.

CIP Project Fund
Impact Fees Water

DEPARTMENT
WATER IF

PROJECT NUMBER
WIF03

PROJECT NAME
5.3MG CONCRETE WATER STORAGE RESERVOIR

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$300,000	\$5,000,000				

DESCRIPTION OF PROJECT

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.

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

CIP Project Fund
Impact Fees Water

DEPARTMENT
WATER IF

PROJECT NUMBER
WIF05

PROJECT NAME
West Water Transmission Main Loop

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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 main is

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."

CIP Project Fund
Impact Fees Water

DEPARTMENT
WATER IF

PROJECT NUMBER
WIF07

PROJECT NAME
GRAF STREET EXTENSION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
			\$150,000		

DESCRIPTION OF PROJECT

This project is to extend Water Mains below Graf Street approximately 1/4 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.

CIP Project Fund
Impact Fees Water

DEPARTMENT
WATER IF

PROJECT NUMBER
WIF08

PROJECT NAME
WATER TREATMENT PLANT DEBT SERVICE PAYMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$383,242	\$902,115	\$920,158	\$501,185		

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.

CIP Project Fund
Impact Fees Water

DEPARTMENT
WATER IF

PROJECT NUMBER
WIF09

PROJECT NAME
COTTONWOOD/STUCKY TRUNK MAIN LOOP

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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.

CIP Project Fund
Impact Fees Water

DEPARTMENT
Water IF

PROJECT NUMBER
WIF10

PROJECT NAME
Water Master Plan Update

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$350,000					

DESCRIPTION OF PROJECT

The last water facility plan update was initiated in 2005 and completed in 2007. The City generally endeavors to update its water facility plans on a 5-year cycle to ensure the plan remains relevant as Bozeman grows and infrastructure needs change. This water facility plan will update the existing and proposed distribution system hydraulic models, and include detailed engineering investigations for adopted Integrated Water Resources Plan (IWRP) new capital alternatives. Detailed engineering investigations are proposed to gather sufficient construction details and cost estimates to expand the Lyman Creek source, identify and develop a suitable groundwater source, and site and develop a storage impoundment in Sourdough Canyon above the water treatment plant. The sourdough impoundment investigation may be contracted separately as it does not connect to the distribution system directly and has no effect upon distribution system modeling.

ALTERNATIVES CONSIDERED

Do not update the plan and continue improving infrastructure based on the existing 2005 Water Facility Plan.

ADVANTAGES OF APPROVAL

Improving infrastructure is costly and as Bozeman grows, infrastructure needs change. Updating the water facility plan will allow future improvements to the water system to be based on current data. By including detailed engineering investigations for adopted IWRP new capital alternatives, the effect of the addition of these sources to the distribution network can be analyzed concurrently.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional costs.

FUNDING SOURCES

Water Impact Fees

CIP Project Fund
Impact Fees Water

DEPARTMENT
WATER IF

PROJECT NUMBER
WIFI I

PROJECT NAME						
WATER MAIN EXTENSION - FERGUSON AVE (DURSTON TO OAK STREET)						

FY15	FY16	FY17	FY18	FY19	Unscheduled
	\$100,000				

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

Installation of a Water Main along Ferguson Avenue, from Durston to Oak Street.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Expanded water service in this area of town.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal

FUNDING SOURCES

Water Impact Fees, Developer contribution.

CIP Project Fund
Impact Fees Water

DEPARTMENT
Water IF

PROJECT NUMBER
WIF12

PROJECT NAME
WATER MAIN EXTENSION - SOUTH 11TH (Opportunity to Arnold Street)

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$50,000					

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

Extension of the water main on South 11th, from Opportunity to Arnold Street.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Expanded water service in this area of town.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED
minimal.

FUNDING SOURCES

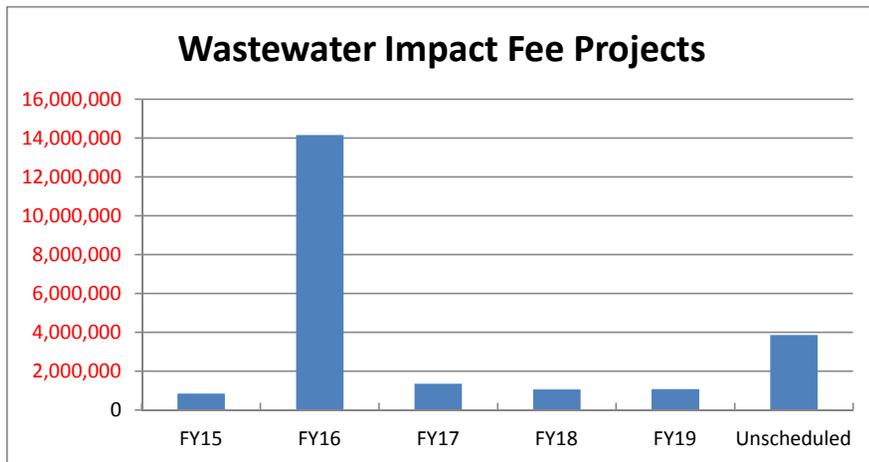
Water Impact Fees, Developer contribution.

**Wastewater Impact Fee
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY14	FY15	FY16	FY17	FY18	FY19	
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ -	\$ 152,083	\$ 307,207	\$ (0)	\$ 269	\$ -
Plus: Impact Fee Revenues Dedicated to CIP	\$ 820,000	\$ 1,005,295	\$ 1,025,401	\$ 1,045,909	\$ 1,066,827	\$ 1,088,163	\$ -
Plus: Loan for WWIF15 - Flanders Mill Trunk and Lift Stn.			\$ 13,300,000				
Less: Scheduled CIP Project Costs	\$ (820,000)	\$ (853,212)	\$ (14,170,276)	\$ (1,353,116)	\$ (1,066,558)	\$ (1,085,000)	\$ (3,862,000)
Projected Year-End Cash Dedicated to CIP	\$ -	\$ 152,083	\$ 307,207	\$ (0)	\$ 269	\$ 3,432	

Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY14	FY15	FY16	FY17	FY18	FY19
Estimated Annual Wastewater Impact Fee Revenues	\$ 820,000	\$ 985,583	\$ 1,005,295	\$ 1,025,401	\$ 1,045,909	\$ 1,066,827
Estimated Annual Increase	0.0%	2%	2%	2%	2%	2%
Total Estimated Revenues	\$ 820,000	\$ 1,005,295	\$ 1,025,401	\$ 1,045,909	\$ 1,066,827	\$ 1,088,163
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	\$ 820,000	\$ 1,005,295	\$ 1,025,401	\$ 1,045,909	\$ 1,066,827	\$ 1,088,163



CIP PROJECT FU	PROJ.	DEPARTMENT	PROJECT NAME	FY15	FY16	FY17	FY18	FY19	Unscheduled
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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	\$653,212	\$870,276	\$887,681	\$896,558	\$600,000		
WWIF15	WWATER IF	FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN AND LIFT STATION	\$200,000	\$13,300,000					
WWIF16	WWATER IF	FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN DEBT RETIREMENT			\$465,435	\$120,000	\$485,000		
WWIF17	WWATER IF	INSTALL FOURTH DIGESTER							\$1,000,000

<i>Summary for Impact Fees Wastewater (7 items)</i>			<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>Unscheduled</u>
<i>Totals by year:</i>			\$853,212	\$14,170,276	\$1,353,116	\$1,066,558	\$1,085,000	\$3,862,000

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF05

PROJECT NAME
HOSPITAL TRUNK LINE: HAGGERTY TO KAGY

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
					\$1,062,000

DESCRIPTION OF PROJECT

Construct ~7,900 LF of 12" and 15" sewer collector from manhole C0507 to IE22.

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

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIFI I

PROJECT NAME
REPLACE FRONT STREET: TAMARACK/ROUSE

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	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

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF12

PROJECT NAME
GRAF STREET EXTENSION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
			\$50,000		

DESCRIPTION OF PROJECT

This project is to extend Wastewater Mains below Graf Street approximately 1/4 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.

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF14

PROJECT NAME
WRF PHASE I DEBT RETIREMENT

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$653,212	\$870,276	\$887,681	\$896,558	\$600,000	

DESCRIPTION OF PROJECT

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.

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF15

PROJECT NAME
FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN AND LIFT STATION

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
\$200,000	\$13,300,000				

DESCRIPTION OF PROJECT

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. \$200,000 in design costs and \$13,300,000 in construction costs

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

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF16

PROJECT NAME						
FLANDERS MILL - HIDDEN VALLEY TRUNK MAIN DEBT RETIREMENT						

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled
		\$465,435	\$120,000	\$485,000	

DESCRIPTION OF PROJECT

This items reflects the amount of Impact Fee dollars that are estimated to be available for retirement on the debt used to financine the Flanders Mill - Hidden Valley sewer trunk main and lift station.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

CIP Project Fund
Impact Fees Wastewater

DEPARTMENT
WWATER IF

PROJECT NUMBER
WWIF17

PROJECT NAME
Install Fourth Digester

- New
- Replacement
- Equipment
- Project

FY15	FY16	FY17	FY18	FY19	Unscheduled \$1,000,000
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DESCRIPTION OF PROJECT

Fund the design and construction of a fourth anaerobic digester.

ALTERNATIVES CONSIDERED

Do nothing.

ADVANTAGES OF APPROVAL

Additional Capacity for wastewater treatment.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Not known at this time.

FUNDING SOURCES

Wastewater Impact Fee Fund