

**Fiscal Years 2013-2017**

# Capital Improvements Program



City of Bozeman Sourdough Water Treatment Plant – North Elevation

**City of Bozeman,  
Montana**



**City of Bozeman, Montana**

**Adopted**

**Capital Improvements Program**

**For Fiscal Years 2013-2017**

**Presented And Adopted During Public Meetings held**

**November and December 2011**

**City Commission**

**Jeff Krauss, Mayor**

**Sean Becker, Deputy Mayor**

**Cynthia Andrus, Commissioner**

**Chris Mehl, Commissioner**

**Carson Taylor, Commissioner**

**Chris Kukulski, City Manager**

**Anna Rosenberry, Finance 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 April 11, 2011**

## **Policy Initiatives**

- 1. Enhance Downtown Development Opportunities**
  - a) Conduct a "Full cost & benefit study: social, economic & traffic considerations for one-way conversion to 2-way, shared lanes, streetscape improvements and truck route modifications" as recommended by the Downtown Plan.
  - b) Amend the UDO to eliminate or reduce parkland dedication requirements for downtown development and other high intensity mixed uses
  - c) Facilitate development of a downtown hotel as identified in the downtown development plan
  
- 2. Implement the adopted economic development plan**
  - a) Ongoing Financial Commitment to Economic Development
  - b) Commitment to a business-friendly process with a focus on retention and expansion of existing local businesses
    - Expand Planning Director administrative approvals
    - Exempt small projects based on specific criteria (i.e. COAs)
    - Implement over the counter approvals
    - Simplify reuse application process
    - Evaluate options for efficient re-platting of subdivisions
    - Reduce conditional uses
    - Implement administrative deviation and alternative compliance processes
    - Revise Workforce Housing standards and process
    - Consolidate regulatory structure of zone district standards and overlay zone guidelines (entryway corridor design standards)
    - Evaluate approaches for conversion of condominium lots to townhome lots
  - c) Stabilize existing local incubators and create a full service business incubator program to achieve a healthy business ecosystem
    - Exploring means of stabilizing the only local business incubator, TechRanch.
  - d) Workforce Development
    - Approve 2012 and 2013 fiscal year budgets that includes 1.5 mills for Gallatin College programs
  - e) Mandeville Farm
  
- 3. Adopt plans to address deferred infrastructure maintenance**
  - a) Water distribution system – 20 year strategy to eliminate deferred maintenance
  - b) Waste water collection system – 20 year strategy to eliminate deferred maintenance
  - c) Street System – 15 year strategy to eliminate deferred maintenance
    - Curb replacement/ADA ramps
    - Storm Water
    - Sidewalks/trails
    - Streets
  - d) Facilities
    - Police Station/Municipal Court
    - Lindley Center
    - Park Bathrooms
    - Story Mansion
    - Bogert Pool
    - Swim Center
  - e) Adopt responsible funding plans to pay for a, b, c, d

- (1) Street Assessments
- (2) Urban Funds
- (3) Improvement districts
- (4) Gas tax
- (5) Utility rates
- (6) Bond issue
- (7) General funds
- (8) Grants
- (9) Loans

- 4. Develop an Integrated Water Resource Plan that:
  - a) Define the need for action
  - b) Identify issues that surround planning for prospective new sources of supply
  - c) Develop a work Plan
  - d) Develop a strategy to purchase additional water rights
    - (1) Purchased 83 acre feet of water rights over the past several months.
    - (2) Share holders in the reservoir company have offered to sell the city 90 acre-feet of water rights. This purchase would take more resources than we have available in our cash in lieu fund, therefore,
    - (3) Consider developing a reliable source of funds to purchase or lease water rights from share holders who are willing to sell.

## 2<sup>nd</sup> Tier Initiatives

- 5. Creation of a storm water utility
- 6. Implementation of the community climate action plan
- 7. Amend the sign code
- 8. Investigate eliminating a re-use permit triggering compliance of signs that are not changed.
- 9. Investigate the triggers necessitating sign compliance with current requirements.
- 10. Investigate monument sign with moveable lettering and how these fit into the sign ordinance.
- 11. Investigate how to exempt signs with a historical use from the sign code.
- 12. Mayor's "state of the city"
- 13. Change zoning for mobile home park
- 14. Suspend workforce housing replace with Up to \$50k for down payment assistant
- 15. Temporarily reduce the transportation impact fee
- 16. Accelerate sidewalk ramp replacement program
- 17. Review density requirements
- 18. Buy Local Initiative
- 19. City & state could partner on right of way purchases and park development along Bozeman Creek.
- 20. Distracted driver ordinance
- 21. Parking Plan for senior center
- 22. LED lighting
- 23. Recreation & Park board periodically review policies regarding dogs every other year

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

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

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

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

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

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

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

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

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

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

6. The estimated annual cost of operating and maintaining the facilities to be constructed or acquired;

7. A commentary on how the plan addresses the sustainability of the community or region of which it is a part; and

8. Methods to measure outcomes and performance of the capital plan related to the long-term goals of the community.

## **Municipal Code Requirements**

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

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

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

## **State Law Requirements**

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

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

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

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

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

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

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

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

**and**

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

## City's CIP Process—Calendar

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

September:

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

October/November:

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

November/December:

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

May:

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

August:

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

## City's CIP Process – Ranking Criteria

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

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

## General Fund Criteria

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

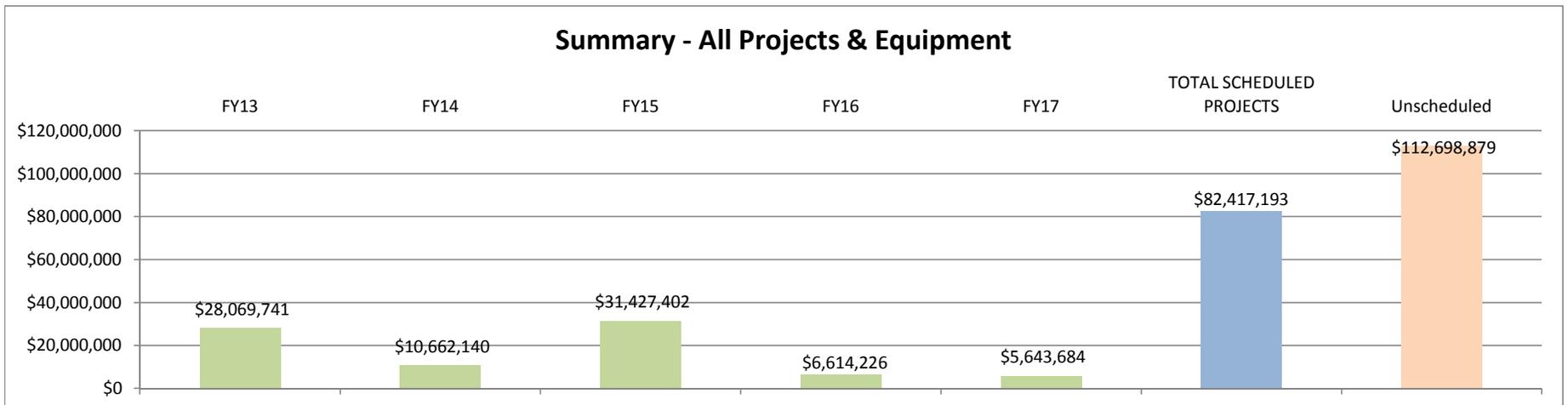
It is anticipated that levy increases for the police station will be proposed in the future, with their adoption critical to our plans to expand our facilities.

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



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

	Scheduled Projects					TOTAL SCHEDULED PROJECTS	Unscheduled
	FY13	FY14	FY15	FY16	FY17		
General Fund	\$ 1,579,220	\$ 1,225,665	\$ 19,099,000	\$ 1,338,700	\$ 723,000	\$ 23,965,585	\$ 23,497,800
Street Maintenance District	\$ 477,723	\$ 381,383	\$ 485,000	\$ 291,000	\$ 375,000	\$ 2,010,106	\$ 220,000
Curb Replacements	\$ -	\$ 350,000	\$ 320,000	\$ 500,000	\$ 250,000	\$ 1,420,000	\$ -
Street Reconstruction	\$ 175,000	\$ 400,000	\$ 1,200,000	\$ -	\$ -	\$ 1,775,000	\$ 3,020,000
Building Inspection	\$ -	\$ -	\$ -	\$ -	\$ 32,500	\$ 32,500	\$ 327,500
Tree Maintenance District	\$ 67,492	\$ -	\$ 26,000	\$ -	\$ -	\$ 93,492	\$ -
Fire Equipment & Capital Replacement	\$ 77,864	\$ 1,235,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 1,462,864	\$ 65,000
Library Depreciation	\$ 1,031,000	\$ -	\$ -	\$ 35,000	\$ -	\$ 1,066,000	\$ 41,880
Water Fund	\$ 11,206,224	\$ 1,096,665	\$ 980,220	\$ 991,935	\$ 1,119,645	\$ 15,394,689	\$ -
Wastewater Fund	\$ 1,252,594	\$ 1,111,650	\$ 1,281,500	\$ 975,200	\$ 825,700	\$ 5,446,644	\$ 5,215,000
Solid Waste Collection & Recycling	\$ 204,984	\$ 525,000	\$ 148,043	\$ 560,000	\$ 360,000	\$ 1,798,027	\$ -
Street Impact Fee	\$ 7,784,150	\$ 750,000	\$ 6,100,000	\$ 100,000	\$ 100,000	\$ 14,834,150	\$ 23,575,000
Fire Impact Fee	\$ 310,000	\$ -	\$ -	\$ -	\$ -	\$ 310,000	\$ 3,369,699
Water Impact Fee	\$ 3,075,290	\$ 2,750,295	\$ 884,427	\$ 902,115	\$ 920,158	\$ 8,532,285	\$ 46,880,000
Wastewater Impact Fee	\$ 828,200	\$ 836,482	\$ 853,212	\$ 870,276	\$ 887,681	\$ 4,275,851	\$ 6,487,000
<b>Total</b>	<b>\$ 28,069,741</b>	<b>\$ 10,662,140</b>	<b>\$ 31,427,402</b>	<b>\$ 6,614,226</b>	<b>\$ 5,643,684</b>	<b>\$ 82,417,193</b>	<b>\$ 112,698,879</b>





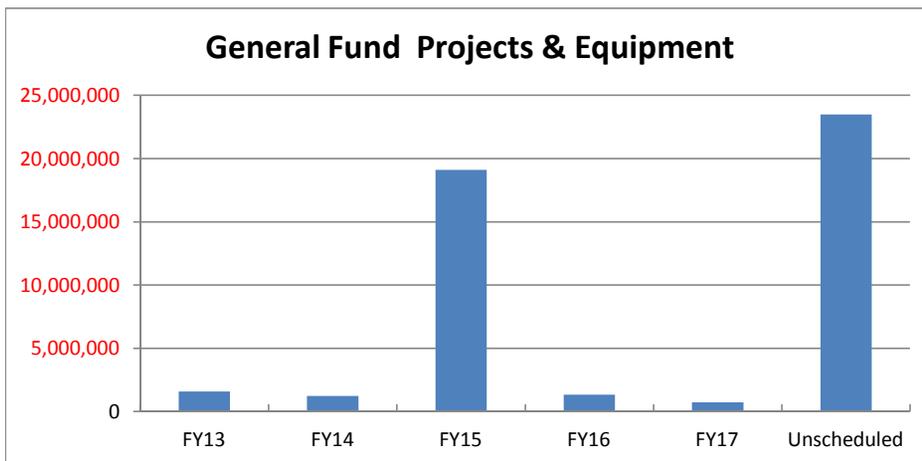
**General Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Balance Dedicated to CIP	\$ 1,176,000	\$ 219,000	\$ 19,780	\$ 174,115	\$ 460,915	\$ 764,576	
Plus: General Fund Revenues Dedicated to CIP	\$ 799,800	\$ 1,380,000	\$ 1,380,000	\$ 1,393,800	\$ 1,642,361	\$ 1,658,785	\$ -
Plus: Bond Issue: Police & Municipal Court Facility Bond				\$ 17,992,000			
Less: Assigned to Bogert Pool Shell Project (GF055)	\$ (382,000)						
Less: Assigned to Police & Municipal Court Facility (GF050)*	\$ (500,000)						
Less: Assigned to Swim Center Heat Exchanger (GF123)*	\$ (75,000)						
Less: Scheduled CIP Project Costs	\$ (799,800)	\$ (1,579,220)	\$ (1,225,665)	\$ (19,099,000)	\$ (1,338,700)	\$ (723,000)	\$ (23,497,800)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 219,000</b>	<b>\$ 19,780</b>	<b>\$ 174,115</b>	<b>\$ 460,915</b>	<b>\$ 764,576</b>	<b>\$ 1,700,361</b>	

\* FY12 Budget Amendment Anticipated

*Assumptions Made for Revenue Estimates:*

	Projected				
	FY13	FY14	FY15	FY16	FY17
Estimated Annual General Fund Revenues	\$ 23,000,000	\$ 23,000,000	\$ 23,000,000	\$ 23,230,000	\$ 23,462,300
Estimated Growth in General Fund Revenues	0%	0%	1%	1%	1%
Total Estimated General Fund Revenues	\$ 23,000,000	\$ 23,000,000	\$ 23,230,000	\$ 23,462,300	\$ 23,696,923
Current Revenues Dedicated to CIP %	5.0%	6.0%	6.0%	6.0%	7.0%
Plus: Increase Dedicated to Capital Improvements %	1.0%	0.0%	0.0%	1.0%	0.0%
Total % Dedicated to CIP	6.0%	6.0%	6.0%	7.0%	7.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,380,000	\$ 1,380,000	\$ 1,393,800	\$ 1,642,361	\$ 1,658,785



PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
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CIP PROJECT FUND: General Fund

Sorted by Funding Year and Rating

GF053	POLICE	POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT	63	\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	
GF080	I.T.	REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT	50	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
GF062	I.T.	SERVER & PERSONAL COMPUTER (PC) REPLACEMENT	45	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
GF103	FAC. MTC.	AMERICAN'S WITH DISABILITIES ACT (ADA) COMPLIANCE IMPROVEMENTS	42	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	
GF031	PARKS	PARK IMPROVEMENT GRANTS	37	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	
GF010	CEMETERY	CEMETERY MOWER REPLACEMENTS	25	\$13,000	\$14,000	\$14,000	\$16,000	\$16,000	
GF162	FIRE	LIVE-FIRE TRAINING PROP	45	\$15,000	\$10,000	\$10,000	\$10,000		
GF092	PARKS	PLAYGROUND EQUIPMENT	37	\$50,000	\$55,000	\$60,000			
GF052	POLICE	UNMARKED VEHICLE REPLACEMENT PROGRAM	63	\$35,500		\$35,500			\$33,000
GF050	POLICE/COURT	POLICE & MUNICIPAL COURT FACILITY	65	\$500,000		\$17,992,000			
GF084	PARKS	PARKS RESTROOM UPGRADES	37	\$175,000			\$175,000	\$175,000	\$40,000
GF034	PARKS	LARGE DECK MOWER	43	\$50,000			\$50,000		\$60,000
GF117	RECREATION	BOGERT POOL HEATER	55	\$100,000					
GF135	FAC. MTC.	SHOPS COMPLEX SIDEWALKS	52	\$32,720					
GF179	POLICE	NARROWBAND RADIO REPEATER REPLACEMENT	50	\$18,500					
GF159	FAC. MTC.	FIRE STATION #2 WINDOW AND DOOR REPLACEMENT	48	\$20,000					
GF158	FAC. MTC.	MECHANICAL CONTROL SYSTEM - PROF BUILDING	42	\$30,000					
GF176	I.T.	ELECTRONIC-DISCOVERY PC SOFTWARE	36	\$64,500					
GF133	CEMETERY	FOUR WHEELER WITH PLOW (4X4)	32	\$11,000					
GF067	FAC. MTC.	PROFESSIONAL BUILDING PARKING LOT LIGHTS	30	\$28,000					
GF177	PARKING	BUILDOUT OF SECOND FLOOR OFFICE AT PARKING GARAGE	29	\$50,000					
GF104	FAC. MTC.	ENERGY UPGRADES	47		\$30,000	\$30,000	\$30,000	\$30,000	
GF115	PARKS	PARK VEHICLE REPLACEMENTS	63		\$28,000		\$30,000		\$120,000
GF170	FAC. MTC.	BOILER REPLACEMENT AT FIRE STATION #1	62		\$255,665				
GF180	RECREATION	LINDLEY CENTER RESTROOMS ADA UPGRADES	52		\$40,000				
GF079	City of Bozeman	NETWORK CORE SWITCHES	50	20	\$150,000				Approved CIP FY13-17

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
GF184	I.T.	WEB MAPPING	46		\$25,000				
GF139	FAC. MTC.	CITY HALL PHASE 3 SITE IMPROVEMENTS	45		\$45,000				
GF157	FAC. MTC.	SENIOR CENTER ELEVATOR	37		\$65,000				
GF100	PARKS	TRACTOR WITH BUCKET	33		\$45,000				
GF048	PLANNING	COPY MACHINE REPLACEMENT	23		\$25,000				
GF166	POLICE	PORTABLE RADIO REPLACEMENTS	57			\$48,000	\$49,500	\$51,000	
GF165	POLICE	PATROL MOTORCYCLE REPLACEMENTS	66			\$70,000	\$70,000		
GF116	CEMETERY	CEMETERY VEHICLE REPLACEMENTS	34			\$26,000	\$42,500		
GF164	FAC. MTC.	REPLACEMENT OF IT AIR CONDITION UNIT AT PROFESSIONAL BUILDING	49			\$22,500			
GF137	RECREATION	SWIM CENTER POOL FILTRATION SYSTEM	45			\$135,000			
GF083	CEMETERY	BACKHOE	42			\$110,000			
GF163	FINANCE	COPIER/PRINTER/SCANNER REPLACEMENT	40			\$15,000			
GF030	PARKS	ARTICULATING TRACTOR	35			\$110,000			
GF064	PLANNING	VEHICLE REPLACEMENT	35			\$25,000			
PW01	PARKS/FAC. MT	SHOPS FACILITY EXPANSION PLAN				\$10,000			
GF051	POLICE	ANIMAL CONTROL VEHICLE	60				\$27,700		
GF142	RECREATION	SWIM CENTER POOL GUTTER & EDGE TILES, POOL RESURFACING, AND UNDERWATER LIGHTING REPLACEMENT	47				\$400,000		
GF065	I.T.	AERIAL PHOTOGRAPHY	39					\$65,000	
GF140	RECREATION	LINDLEY CENTER PARKING LOT RENOVATION	50						\$47,000
GF169	FAC. MTC.	SENIOR CENTER HOT WATER HEATER REPLACEMENTS	47						\$16,000
GF182	RECREATION	SWIM CENTER EXPANSION FOR ADA COMPLIANT FACILITY	46						\$1,200,000
GF056	RECREATION	DESIGN & CONSTRUCT COMMUNITY RECREATION/AQUATICS CENTER	44						\$21,000,000
GF171	FAC. MTC.	CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING	43						\$11,000
GF181	RECREATION	SWIM CENTER DECK TILE REPLACEMENT	43						\$198,000
GF130	FAC. MTC.	CITY HALL SITE IMPROVEMENTS - PHASE 2	38						\$35,000
GF144	PARKS City of Bozeman, MT	STORY MANSION SIDEWALKS	38						\$69,200

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
GF126	RECREATION	TRUCK WITH PLOW	36						\$23,000
GF001	FAC. MTC.	PROFESSIONAL BUILDING ELEVATOR REPLACEMENT	33						\$65,600
GF111	PARKS	EAST GALLATIN REC AREA IRRIGATION REPAIRS	28						\$25,000
GF146	PARKS	LINDLEY PARK IRRIGATION SYSTEM	28						\$100,000
GF147	PARKS	SOFTBALL COMPLEX IRRIGATION SYSTEM	28						\$110,000
GF108	PARKS	PARK SIDEWALK REPLACEMENTS	27						\$182,000
GF148	PARKS	BMX PARKING LOT	25						\$85,000
GF149	PARKS	EAST GALLATIN REC AREA PARKING LOT	25						\$60,000
GF151	PARKS	BEALL PARK BASKETBALL COURTS	23						\$18,000
GF055	RECREATION	BOGERT POOL GUTTER AND POOL SHELL REPAIRS	57						
GF168	FAC. MTC.	NEW CITY HALL BRICK FAÇADE REPAIR	53						
GF123	RECREATION	SWIM CENTER HEAT EXCHANGER	46						
GF183	RECREATION	BOGERT POOL BATH HOUSE RENOVATION/RECONSTRUCTION	37						

*Summary for General Fund (65 items)*

*Totals by year:*

<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
\$1,579,220	\$1,225,665	\$19,099,000	\$1,338,700	\$723,000	\$23,497,800

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
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CIP PROJECT FUND: General Fund

Sorted by Department and Rating

GF083	CEMETERY	BACKHOE	42			\$110,000			
GF116	CEMETERY	CEMETERY VEHICLE REPLACEMENTS	34			\$26,000	\$42,500		
GF133	CEMETERY	FOUR WHEELER WITH PLOW (4X4)	32	\$11,000					
GF010	CEMETERY	CEMETERY MOWER REPLACEMENTS	25	\$13,000	\$14,000	\$14,000	\$16,000	\$16,000	
GF170	FAC. MTC.	BOILER REPLACEMENT AT FIRE STATION #1	62		\$255,665				
GF168	FAC. MTC.	NEW CITY HALL BRICK FAÇADE REPAIR	53						
GF135	FAC. MTC.	SHOPS COMPLEX SIDEWALKS	52	\$32,720					
GF164	FAC. MTC.	REPLACEMENT OF IT AIR CONDITION UNIT AT PROFESSIONAL BUILDING	49			\$22,500			
GF159	FAC. MTC.	FIRE STATION #2 WINDOW AND DOOR REPLACEMENT	48	\$20,000					
GF104	FAC. MTC.	ENERGY UPGRADES	47		\$30,000	\$30,000	\$30,000	\$30,000	
GF169	FAC. MTC.	SENIOR CENTER HOT WATER HEATER REPLACEMENTS	47						\$16,000
GF139	FAC. MTC.	CITY HALL PHASE 3 SITE IMPROVEMENTS	45		\$45,000				
GF171	FAC. MTC.	CITY HALL SITE DRAINAGE ON WEST SIDE OF BUILDING	43						\$11,000
GF103	FAC. MTC.	AMERICAN'S WITH DISABILITIES ACT (ADA) COMPLIANCE IMPROVEMENTS	42	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	
GF158	FAC. MTC.	MECHANICAL CONTROL SYSTEM - PROF BUILDING	42	\$30,000					
GF130	FAC. MTC.	CITY HALL SITE IMPROVEMENTS - PHASE 2	38						\$35,000
GF157	FAC. MTC.	SENIOR CENTER ELEVATOR	37		\$65,000				
GF001	FAC. MTC.	PROFESSIONAL BUILDING ELEVATOR REPLACEMENT	33						\$65,600
GF067	FAC. MTC.	PROFESSIONAL BUILDING PARKING LOT LIGHTS	30	\$28,000					
GF163	FINANCE	COPIER/PRINTER/SCANNER REPLACEMENT	40			\$15,000			
GF162	FIRE	LIVE-FIRE TRAINING PROP	45	\$15,000	\$10,000	\$10,000	\$10,000		
GF079	I.T.	NETWORK CORE SWITCHES	50		\$150,000				

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
GF080	I.T.	REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT	50	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
GF184	I.T.	WEB MAPPING	46		\$25,000				
GF062	I.T.	SERVER & PERSONAL COMPUTER (PC) REPLACEMENT	45	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
GF065	I.T.	AERIAL PHOTOGRAPHY	39					\$65,000	
GF176	I.T.	ELECTRONIC-DISCOVERY PC SOFTWARE	36	\$64,500					
GF177	PARKING	BUILDOUT OF SECOND FLOOR OFFICE AT PARKING GARAGE	29	\$50,000					
GF115	PARKS	PARK VEHICLE REPLACEMENTS	63		\$28,000		\$30,000		\$120,000
GF034	PARKS	LARGE DECK MOWER	43	\$50,000			\$50,000		\$60,000
GF144	PARKS	STORY MANSION SIDEWALKS	38						\$69,200
GF031	PARKS	PARK IMPROVEMENT GRANTS	37	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	
GF084	PARKS	PARKS RESTROOM UPGRADES	37	\$175,000			\$175,000	\$175,000	\$40,000
GF092	PARKS	PLAYGROUND EQUIPMENT	37	\$50,000	\$55,000	\$60,000			
GF030	PARKS	ARTICULATING TRACTOR	35			\$110,000			
GF100	PARKS	TRACTOR WITH BUCKET	33		\$45,000				
GF111	PARKS	EAST GALLATIN REC AREA IRRIGATION REPAIRS	28						\$25,000
GF146	PARKS	LINDLEY PARK IRRIGATION SYSTEM	28						\$100,000
GF147	PARKS	SOFTBALL COMPLEX IRRIGATION SYSTEM	28						\$110,000
GF108	PARKS	PARK SIDEWALK REPLACEMENTS	27						\$182,000
GF148	PARKS	BMX PARKING LOT	25						\$85,000
GF149	PARKS	EAST GALLATIN REC AREA PARKING LOT	25						\$60,000
GF151	PARKS	BEALL PARK BASKETBALL COURTS	23						\$18,000
PW01	PARKS/FAC. MT	SHOPS FACILITY EXPANSION PLAN				\$10,000			
GF064	PLANNING	VEHICLE REPLACEMENT	35			\$25,000			
GF048	PLANNING	COPY MACHINE REPLACEMENT	23		\$25,000				

PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
GF165	POLICE	PATROL MOTORCYCLE REPLACEMENTS	66			\$70,000	\$70,000		
GF052	POLICE	UNMARKED VEHICLE REPLACEMENT PROGRAM	63	\$35,500		\$35,500			\$33,000
GF053	POLICE	POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT	63	\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	
GF051	POLICE	ANIMAL CONTROL VEHICLE	60				\$27,700		
GF166	POLICE	PORTABLE RADIO REPLACEMENTS	57			\$48,000	\$49,500	\$51,000	
GF179	POLICE	NARROWBAND RADIO REPEATER REPLACEMENT	50	\$18,500					
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GF050	POLICE/COURT	POLICE & MUNICIPAL COURT FACILITY	65	\$500,000		\$17,992,000			
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GF055	RECREATION	BOGERT POOL GUTTER AND POOL SHELL REPAIRS	57						
GF117	RECREATION	BOGERT POOL HEATER	55	\$100,000					
GF180	RECREATION	LINDLEY CENTER RESTROOMS ADA UPGRADES	52		\$40,000				
GF140	RECREATION	LINDLEY CENTER PARKING LOT RENOVATION	50						\$47,000
GF142	RECREATION	SWIM CENTER POOL GUTTER & EDGE TILES, POOL RESURFACING, AND UNDERWATER LIGHTING REPLACEMENT	47				\$400,000		
GF123	RECREATION	SWIM CENTER HEAT EXCHANGER	46						
GF182	RECREATION	SWIM CENTER EXPANSION FOR ADA COMPLIANT FACILITY	46						\$1,200,000
GF137	RECREATION	SWIM CENTER POOL FILTRATION SYSTEM	45			\$135,000			
GF056	RECREATION	DESIGN & CONSTRUCT COMMUNITY RECREATION/AQUATICS CENTER	44						\$21,000,000
GF181	RECREATION	SWIM CENTER DECK TILE REPLACEMENT	43						\$198,000
GF183	RECREATION	BOGERT POOL BATH HOUSE RENOVATION/RECONSTRUCTION	37						
GF126	RECREATION	TRUCK WITH PLOW	36						\$23,000

Summary for General Fund (65 items)

Totals by year:

<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
\$1,579,220	\$1,225,665	\$19,099,000	\$1,338,700	\$723,000	\$23,497,800

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF001</b>

<b>PROJECT NAME</b>						
PROFESSIONAL BUILDING ELEVATOR REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$65,600

**DESCRIPTION OF PROJECT**

The elevator in the Professional Building is a three stop Otis elevator. The elevator was installed when the second floor was added in 1972. Since the City purchased the building re-modeling has occurred on both the main floor and second floor.

The elevator is to the point where many technological improvements have been made in elevator technology and a change out would yield both improved service and some reductions in energy savings.

While the elevator is still a safe system, there are some inherent problems with the operation of the elevator. Of the four elevators owned by the City, this system experiences the most downtime. One big problem is the leveling systems and the way the rails and tracks are mounted in the building. If someone loads the elevator heavy to one side or another the balance alarm will engage and the elevator has to be reset. A new car and track system would solve the nuisance trips associated with this elevator.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

Annual Operating and Maintenance Costs:

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

**FUNDING SOURCES**

General Fund and Building Inspection Fund

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

CIP Project Fund  
General Fund

DEPARTMENT  
CEMETERY

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

<b>PROJECT NAME</b>					
CEMETERY MOWER REPLACEMENTS					

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$13,000	\$14,000	\$14,000	\$16,000	\$16,000	

**DESCRIPTION OF PROJECT**

Ongoing mower replacement program developed to keep the cemetery mowers operating as needed.

**ALTERNATIVES CONSIDERED**

Keep older mowers for extended periods of time.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 25**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

**PROJECT NUMBER**  
**GF030**

PROJECT NAME  
ARTICULATING TRACTOR

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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.

**ALTERNATIVES CONSIDERED**

Repair and maintain the 1992 MT as needed or explore the potential of sharing the costs of new Wacker/Neuson wheel loader machines with the Street Division. The Wacker/Neuson machines are a fairly new development in regards to sidewalk snow removal and can handle numerous implements as well. Waiting on costs from the Street Division. Rough estimate is around \$50,000.00.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 35**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

<b>PROJECT NUMBER</b>
<b>GF031</b>

PROJECT NAME					
PARK IMPROVEMENT GRANTS					

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	

**DESCRIPTION OF PROJECT**

Contribute each year from the General Fund towards improving park infrastructure through implementation of park master plans. This grant program is a matching funds program in which the City receives a 1 to 1 match from the recipient. The Commission has established a formal grant policy by resolution.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF034

PROJECT NAME  
LARGE DECK MOWER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$50,000			\$50,000		\$60,000

DESCRIPTION OF PROJECT

Replacement of the 1998 (in FY13) and 1999 (in FY16) Toro 455 series mowers, which are difficult to repair due to lack of parts (these mowers are not manufactured anymore). Mower that is Unscheduled would be the addition of a large-deck sports turf mower.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 43**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PLANNING

PROJECT NUMBER  
GF048

PROJECT NAME  
COPY MACHINE REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$25,000				

DESCRIPTION OF PROJECT

The existing copy machine is expected to have a life of less than 5 years given its intensive use. The machine produces in excess of 250,000 copies per year. Repair and maintenance costs show a steady increase as wear continues. This request is for a replacement copier to meet the ongoing operational needs of the department. Incorporation of advanced scanning capability facilitates records management and customer service.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

General Fund and/or Planning Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 23**

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

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE/COURTS

**PROJECT NUMBER**  
**GF050**

**PROJECT NAME**  
POLICE & MUNICIPAL COURT FACILITY

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$500,000		\$17,992,000			

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

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

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 65**

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

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

**PROJECT NUMBER**  
**GF051**

PROJECT NAME  
ANIMAL CONTROL VEHICLE

- New  
 Replacement  
 Equipment  
 Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
			\$27,700		

**DESCRIPTION OF PROJECT**

FY16 - \$27,700 to replace vehicle Asset 3230, 2004 Dodge 4-wheel drive with an expected mileage of 109,000. This vehicle will be replaced with a new extended cab, 4wd truck. 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.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

Annual Operating and Maintenance Costs: Reduction in costs expected.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 60**

LEVEL OF SERVICE (Up to 20):	17	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	1
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

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

PROJECT NAME

UNMARKED VEHICLE REPLACEMENT PROGRAM

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$35,500		\$35,500			\$33,000

DESCRIPTION OF PROJECT

FOR POLICE INVESTIGATION AND ADMINISTRATION VEHICLES. FY13 - New vehicle for support service administrative position. FY15 - Replace vehicle Asset #3138 03 Chevrolet Impala. ~113,000 miles at replacement. FY17 - Replace vehicle Asset #3479 08 Chevrolet Trailblazer. ~108,000 miles at replacement. Purchase mid-size passenger vehicles, plus equipment, to replace high mileage cars currently driven by detectives and to provide safe and reliable emergency response vehicles. An additional Support Service Supervisory Position requires a vehicle with similar emergency response needs. Old detective cars are rotated into the police department parking program generally after at least 110,000 miles of use and are used as travel cars for officers attending training, traded in, sold at auction or transferred to other divisions within the city. This amount includes all the necessary vehicle equipment.

**ALTERNATIVES CONSIDERED**

No safe and reliable alternatives have been identified.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING:**

**63**

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

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

PROJECT NUMBER
<b>GF053</b>

PROJECT NAME
POLICE CARS & VEHICLE EQUIPMENT REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$156,000	\$208,000	\$156,000	\$208,000	\$156,000	

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 63**

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

# Police Vehicle Details

Project Number	Asset #	Make	Current Mileage	FY13	FY14	FY15	FY16	FY17	Unscheduled	Notes
GF053	3141	CHEVY LUMINA	122,888	\$52,000						Mileage 10/1/2011
	3221	CHEVY LUMINA	116,297	\$52,000						Mileage 10/1/2011
	3220	CHEVY LUMINA	114,968	\$52,000						Mileage 10/1/2011
	3352	CHEVY LUMINA	92,954		\$52,000					Mileage 10/1/2011
	3143	CHEVY LUMINA	114,002		\$52,000					Mileage 10/1/2011
	3278	CHEVY LUMINA	111,986		\$52,000					Mileage 10/1/2011
	3280	CHEVY LUMINA	103,649		\$52,000					Mileage 10/1/2011
	3311	CHEVY LUMINA	91,268			\$52,000				Mileage 10/1/2011
	3350	CHEVY LUMINA	92,243			\$52,000				Mileage 10/1/2011
	3351	CHEVY LUMINA	92,637			\$52,000				Mileage 10/1/2011
	3374	CHEVY LUMINA	52,121				\$52,000			Mileage 10/1/2011
	3439	CHEVY LUMINA	60,498				\$52,000			Mileage 10/1/2011
	3369	CHEVY LUMINA	53,247				\$52,000			Mileage 10/1/2011
	3440	CHEVY LUMINA	63,158				\$52,000			Mileage 10/1/2011
	3370	CHEVY LUMINA	51,487					\$52,000		Mileage 10/1/2011
	3498	CHEVY LUMINA	26,105					\$52,000		Mileage 10/1/2011
	3499	CHEVY LUMINA	19,463					\$52,000		Mileage 10/1/2011
<b>Totals</b>				\$156,000	\$208,000	\$156,000	\$208,000	\$156,000		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF055

PROJECT NAME  
BOGERT POOL GUTTER AND POOL SHELL REPAIRS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
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DESCRIPTION OF PROJECT

\* General Fund Reserve \$382,000 for this Item in FY12. The pool gutter system around the edge of the Bogert Pool is in disrepair. The gutter system is vital to the filtration system as it skims water from the pool and sends it to filtration. The pool shell is in need of replacement also. It is most efficient and economical to complete the gutter and shell projects together since they are connected and one project affects the other. This will replace the current concrete gutter system with a stainless steel gutter system and install a new plaster pool shell with a ceramic tiled whale logo to replace the 30 year old shell.

ALTERNATIVES CONSIDERED

Build new outdoor leisure pool

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

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

General Fund Project and Equipment Scoring

**TOTAL RATING: 57**

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

**PROJECT NUMBER**  
**GF056**

PROJECT NAME  
DESIGN & CONSTRUCT COMMUNITY RECREATION/AQUATICS CENTER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$21,000,000

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

Implement plan in phases

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

General Fund, Bond Issue, Grants, etc.

General Fund Project and Equipment Scoring

**TOTAL RATING: 44**

LEVEL OF SERVICE (Up to 20):	10	DEPARTMENT PRIORITY (Up to 10):	8
OPERATING BUDGET IMPACT (Up to 10):	0	COMMISSION WORKPLAN (Up to 10):	8
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER  
GF062

PROJECT NAME  
SERVER & PERSONAL COMPUTER (PC) REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	

DESCRIPTION OF PROJECT

This is a general item for replacement of personal computers and Servers for General Fund related jobs and services. (Enterprise and Special Revenue fund services pay for their own pc's and servers.) As of last year (FY10) Personal Computers's moved to a 4 year rotation and servers continued to be minimal of a 5 year asset before replacement.

ALTERNATIVES CONSIDERED

Not replace computer/server hardware as frequently.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 45**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PLANNING

PROJECT NUMBER  
GF064

PROJECT NAME  
VEHICLE REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$25,000			

DESCRIPTION OF PROJECT

Replacement of the current vehicle, a 1998 Nissan Sentra with 50,000 miles. This is a small car which works well for single or two person activities but does not have much cargo or personnel capacity. Replacement would be with a fuel efficient small vehicle, possibly a hybrid.

ALTERNATIVES CONSIDERED

Continue to operate the existing vehicles with increasing maintenance costs.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

General Fund and/or Planning Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 35**

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

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER  
GF065

PROJECT NAME  
AERIAL PHOTOGRAPHY

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
				\$65,000	

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 39**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

PROJECT NUMBER  
GF067

PROJECT NAME  
PROFESSIONAL BUILDING PARKING LOT LIGHTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$28,000					

DESCRIPTION OF PROJECT

This project is to improve the illumination of the parking lot at the Professional Building. Many employees and citizens meet at this building after dark and the existing parking lot is poorly lit. This item was listed for funding in FY 10. There were some changes pending with building use that reduced the need for the parking lot lighting: The regular Planning Board evening meeting is now taking place at the new City Hall. Other Planning meetings do take place, but not as many members of the public are attending who might not be familiar with the parking area. Facility staff checked with the Planning, Engineering, Building, and IT Departments and inquired about their interest in having the lot lit. At least three of the departments said that their staff would like the lighting installed for staff safety and security.

ALTERNATIVES CONSIDERED

Continue with existing lighting.

ADVANTAGES OF APPROVAL

Safety will likely be improved.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: There are two farm style lights mounted on utility poles in the parking lot. These current fixtures do not meet the dark skies ordinance because the lamps are not shaded. The new lights should be more energy efficient so no addition operating costs are anticipated. Facility staff will work with Engineering to determine whether LED lamps can be installed in the lot.

FUNDING SOURCES

100% General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 30**

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

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

**PROJECT NUMBER**  
**GF079**

PROJECT NAME  
NETWORK CORE SWITCHES

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$150,000				

**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. We believe that we can maintain and operate the existing equipment until FY14.

**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.

General Fund Project and Equipment Scoring

**TOTAL RATING: 50**

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

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER
GF080

PROJECT NAME
REMOTE CLOSET SWITCHES, ROUTER AND WIRELESS AP REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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 12 – Shops, WRF. FY 13 - City Hall, Beall. FY 14 – Swim, PD, FS 1,2,&3 Cemetery. FY 15 - Prof-Building, Vehicle Maint.

**ALTERNATIVES CONSIDERED**

Maintain current switches without critical support or maintenance.

**ADVANTAGES OF APPROVAL**

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

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

**FUNDING SOURCES**

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

General Fund Project and Equipment Scoring

**TOTAL RATING: 50**

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

CIP Project Fund  
General Fund

DEPARTMENT  
CEMETERY

PROJECT NUMBER  
GF083

PROJECT NAME

BACKHOE

- New
- Replacement
- Equipment
- Project

FY13

FY14

FY15

FY16

FY17

Unscheduled

\$110,000

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

TOTAL RATING:

42

LEVEL OF SERVICE (Up to 20):

20

DEPARTMENT PRIORITY (Up to 10):

10

OPERATING BUDGET IMPACT (Up to 10):

5

COMMISSION WORKPLAN (Up to 10):

0

SERVICE AREA (Up to 10):

2

ADOPTED CLIMATE PLAN (Up to 5):

0

FREQUENCY OF USE (Up to 5):

5

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER
GF084

PROJECT NAME

PARKS RESTROOM UPGRADES

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$175,000			\$175,000	\$175,000	\$40,000

DESCRIPTION OF PROJECT

This project is the general replacement and upgrading of the City Park's public restroom facilities. In order of priority: 1. Lindley Park Restrooms - \$175,000 2. Rose Park (new) – \$175,000 3. BMX Park (new) - \$175,000 4. Beall Park Restroom Refurb - \$40,000.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 37**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF092

PROJECT NAME  
PLAYGROUND EQUIPMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$50,000	\$55,000	\$60,000			

DESCRIPTION OF PROJECT

The following playground equipment needs to be replaced due to its age and condition: FY13– Jarrett Park: This structure is one of the oldest playgrounds in the City. Replacement will bring fully compliant ADA equipment and reduce liability concerns. FY14– Christie Park FY15– Beall Park

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Increased safety for community members.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Minimal.

FUNDING SOURCES

100% General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

**PROJECT NUMBER**  
**GF100**

PROJECT NAME  
TRACTOR WITH BUCKET

- New  
 Replacement  
 Equipment  
 Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$45,000				

DESCRIPTION OF PROJECT

Replace the aging 1986 Ford tractor with a new tractor. This tractor will be used to broom ice rinks, move material, assist in fertilization and will be used extensively with all three city-owned aerators. Much less expensive than previously quoted

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 33**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

When remodels are initiated on buildings they are brought up to current ADA requirements as per regulations. There are changes to the ADA that took effect in 2009. We will continue to make upgrades as changes are made to buildings but this budget item would accelerate the compliance for city buildings.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund.

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 42**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF104</b>

PROJECT NAME
ENERGY UPGRADES

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$30,000	\$30,000	\$30,000	\$30,000	

**DESCRIPTION OF PROJECT**

Install occupancy sensors in areas that are occupied at irregular times; install programmable thermostats; replace plumbing fixtures with low-water fixtures; replace single glaze windows with double glazed units. Work would occur on all city owned buildings after an analysis of the work that would have the best payback and energy savings.

Some consultation with an electrical engineer would be needed to develop some energy modeling to determine which improvements would have the best payback. This funding is expected to become available just as our federal Energy Efficiency & Conservation Block Grant money has been fully utilized.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

Annual Operating and Maintenance Costs:

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

**FUNDING SOURCES**

100% General Fund

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF108

PROJECT NAME  
PARK SIDEWALK REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$182,000

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Increased safety for community members.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: no estimate at this time

FUNDING SOURCES

General Fund.

General Fund Project and Equipment Scoring

**TOTAL RATING: 27**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF111

PROJECT NAME  
EAST GALLATIN REC AREA IRRIGATION REPAIRS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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. Wait until the Sunrise Rotary park development is completed.

ALTERNATIVES CONSIDERED

Not irrigate until construction and master plan implementation is complete.

Patch together what we can of the existing system and irrigate some of the park.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 28**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$28,000		\$30,000		\$120,000

**DESCRIPTION OF PROJECT**

Parks Department utilizes trucks for maintenance of the city parks. Because these are not emergency response vehicles, they are replaced as funding becomes available. All trucks are utilized well beyond 150,000 miles, and until service related 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 2011.

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

This insures safe and reliable vehicles for park use.

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 63**

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

# Parks Vehicle Replacements - Details

Project Num	Asset #	Make	Model Yr	Current Mileage	FY13	FY14	FY15	FY16	FY17	Unscheduled	Notes
GF115	1266	CHEVY	1985	145,088				\$30,000			10/2011 MILEAGE
	1495	GMC	1988	206,781		\$28,000					10/2011 MILEAGE
	2691	FORD	1990	182,670						\$30,000	10/2011 MILEAGE
	5561	FORD	1997	179,273						\$30,000	10/2011 MILEAGE
	3251	DODGE	2001	162,917						\$30,000	10/2011 MILEAGE
	3023	DODGE (1 TON)	2001	27,826						\$30,000	10/2011 MILEAGE
Totals						\$28,000		\$30,000		\$120,000	

CIP Project Fund  
General Fund

DEPARTMENT  
CEMETERY

PROJECT NUMBER
<b>GF116</b>

PROJECT NAME
CEMETERY VEHICLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$26,000	\$42,500		

**DESCRIPTION OF PROJECT**

Cemetery Vehicle Replacement Plan Cemetery Department utilizes Half-Ton and 1-Ton trucks for operations and maintenance of the Sunset Hills Cemetery. Asset # 1423 - 1985 1/2 Ton 4x4, Estimated 96,000 miles, replace in FY15. Used for maintenance (moving irrigation pipe) around the cemetery. Asset# 1213, 1989 1Ton 4x4, Estimated 40,000 miles, replace in FY16. This 1-Ton is critical to providing prompt burial services (loading and unloading dirt) 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 20 year old vehicle. \*Mileage as of 03/2009

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

This insures safe and reliable vehicles for cemetery use.

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 34**

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$100,000					

**DESCRIPTION OF PROJECT**

The current boiler for Bogert pool is a 1946 380 million BTU heater. The boiler is unreliable half way through the season, locking out at night time. The replacement system will consist of four 200 thousand BTU heat exchangers, with a total of 800 thousand BTUs. They would be configured to run independently from each other, to increase the total efficiency. During the startup of the 2011 summer season the water maker was replaced and the asbestos was removed.

**ALTERNATIVES CONSIDERED**

Continue using current boiler

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% general fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 55**

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER
GF123

PROJECT NAME						
SWIM CENTER HEAT EXCHANGER						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
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**DESCRIPTION OF PROJECT**

\*\*\*\$75,000 - Moved to fund in FY12, With a Budget Amendment \*\*\* This is a replacement project to replace the pool heaters before they deteriorate to a non-repairable. The current heaters will be 9 years old for the scheduled fiscal year. Replacement of two aging pool heaters two high efficiency heaters, bringing the efficiency rate from 80% to 97%. Current heaters are averaging \$1000 a year on unforeseeable repair cost(computer control boards). In 2009, the heaters received their annual maintenance, at that time the plumber recommended to start looking at replacing the units within the next couple of years. In, March 2011, the heaters began to jump and pop. Three plumbing groups inspected and all agreed that the heaters have reached the end of their life.

**ALTERNATIVES CONSIDERED**

**ADVANTAGES OF APPROVAL**

This project will help the facility take advantages of greener heat exchangers. This will also allow for replacement of heat exchangers before we have an un-repairable breakdown.

Reduce unforeseeable repair cost.

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

Annual Operating and Maintenance Costs:

Annual service and cleaning: \$500

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 46**

LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	6	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF126

PROJECT NAME  
TRUCK WITH PLOW

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$23,000

DESCRIPTION OF PROJECT

New ¾ ton 4X4 gas or diesel double cab truck with a V-plow mounted on the front.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 36**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$35,000

**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.

<b>General Fund Project and Equipment Scoring</b>				<b>TOTAL RATING:</b>	<b>38</b>
<i>LEVEL OF SERVICE (Up to 20):</i>	15	<i>DEPARTMENT PRIORITY (Up to 10):</i>		7	
<i>OPERATING BUDGET IMPACT (Up to 10):</i>	5	<i>COMMISSION WORKPLAN (Up to 10):</i>		0	
<i>SERVICE AREA (Up to 10):</i>	5	<i>ADOPTED CLIMATE PLAN (Up to 5):</i>		3	
<i>FREQUENCY OF USE (Up to 5):</i>	3				

CIP Project Fund  
General Fund

DEPARTMENT  
CEMETERY

PROJECT NUMBER  
GF133

PROJECT NAME  
FOUR WHEELER WITH PLOW (4X4)

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$11,000					

DESCRIPTION OF PROJECT

ATV for plowing sidewalks, Spot spraying in cemetery, Transport Wacker within cemetery.

ALTERNATIVES CONSIDERED

Borrow from other divisions if available, Spot spraying in cemetery, Borrow from other divisions if available.

ADVANTAGES OF APPROVAL

Efficient and timely snow removal in and around the cemetery, Safety/eliminate possible back and leg injuries from lifting Wacker into truck, More fuel efficient vehicle for use in cemetery.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Reduced maintenance and repair costs, Decreased fuel costs, Routine maintenance and servicing.

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 32**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF135**

PROJECT NAME  
SHOPS COMPLEX SIDEWALKS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$32,720					

**DESCRIPTION OF PROJECT**

The Shop Complex at 814 North Bozeman only has a section of sidewalk along Tamarack Street. This project would install sidewalk sections along North Bozeman Ave, and East Aspen Street. The section of walk along North Rouse Ave would be addressed when the state completes improvements to Rouse

**ALTERNATIVES CONSIDERED**

Leave existing perimeter conditions as is.

**ADVANTAGES OF APPROVAL**

The city sidewalk program has been dormant for the last few years. There is more emphasis in the community now on walkable communities. Installing sidewalks around a city owned facility will demonstrate that the city is taking an active role in encouraging safe pedestrian travel throughout the community.

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

Annual Operating and Maintenance Costs: Addition staff time will be required to clear these sections of walk during the winter. Close proximity to the shops will negate the need for travel costs, but equipment and hourly expenses will be incurred

**FUNDING SOURCES**

The bulk of the cost would be against the general fund with other departments with offices at the shops sharing in some of the cost of installation.

General Fund Project and Equipment Scoring

**TOTAL RATING: 52**

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

**PROJECT NUMBER**  
**GF137**

PROJECT NAME  
SWIM CENTER POOL FILTRATION SYSTEM

- New  
 Replacement  
 Equipment  
 Project

FY13	FY14	FY15	FY16	FY17	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.

ALTERNATIVES CONSIDERED

Continue to use current system

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 45**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$45,000				

**DESCRIPTION OF PROJECT**

Phase III will address some of the longer term site needs.

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$47,000

**DESCRIPTION OF PROJECT**

Seal and stripe the parking lot at the Lindley Center and include ADA parking stalls. Install parking lot lights and bases, a dumpster pad and dumpster enclosure fence. This project aligns with section 10.10.1 of the PROST plan (adopted October 2007) that recommends that City parks, recreation facilities and trails are accessible to the greatest extent possible. Includes permit fees

**ALTERNATIVES CONSIDERED**

Sealing and striping lot and not installing lights

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 50**

LEVEL OF SERVICE (Up to 20):	13	DEPARTMENT PRIORITY (Up to 10):	9
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	8
SERVICE AREA (Up to 10):	10	ADOPTED CLIMATE PLAN (Up to 5):	0
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF142

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
			\$400,000		

DESCRIPTION OF PROJECT

The current Pool gutter tiles are from the original build in 1974. They are made of concrete and over the years have been eroded away and are becoming dangerously thin. The tiles are no longer made; the gutter will be replaced with a high impact plastic gutter system. The edge tiles around the pool will be damaged during the process, and they are also no longer available. A modern tile that will fit into the color scheme of the pool will replace them. \$210,000

The pools current shell surface will be 10 years old in 2017. The average life span of pool surfaces is 10 years. Resurfacing of the pool is the best time to replace light fixtures. In the last resurfacing the crew was not monitored and the fixtures were installed incorrectly, therefore we have disconnected the lights from the electricity source for safety. Resurfacing of the pool will be with Diamond-brite, and the lights will be LED fixtures producing better light at higher efficiency then the 500W fixtures currently in place. Light and shell resurfacing combined price: \$190,000

ALTERNATIVES CONSIDERED

Replace with stainless steel gutters

ADVANTAGES OF APPROVAL

Replace with stainless steel gutters

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 47**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

<b>PROJECT NUMBER</b>
<b>GF144</b>

PROJECT NAME						
STORY MANSION SIDEWALKS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$69,200

DESCRIPTION OF PROJECT

Replace the damaged areas of sidewalk around the perimeter lot of the story Mansion.

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 38**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF146

PROJECT NAME  
LINDLEY PARK IRRIGATION SYSTEM

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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. 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

General Fund Project and Equipment Scoring

**TOTAL RATING: 28**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF147

PROJECT NAME  
SOFTBALL COMPLEX IRRIGATION SYSTEM

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$110,000

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

Continue to repair existing system

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs:

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 28**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF148

PROJECT NAME  
BMX PARKING LOT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$85,000

DESCRIPTION OF PROJECT

Installation of parking lot at Westlake BMX park.

ALTERNATIVES CONSIDERED

Do not install a parking lot

ADVANTAGES OF APPROVAL

- Also access for Childrens Memorial Park
- Accessible area to park
- Christmas tree dumping

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs:

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 25**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF149

PROJECT NAME  
EAST GALLATIN REC AREA PARKING LOT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled \$60,000
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DESCRIPTION OF PROJECT

Paving parking lot at the East Gallatin Recreation Area.

ALTERNATIVES CONSIDERED

Keep the parking lot gravel

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs:

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 25**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS

PROJECT NUMBER  
GF151

PROJECT NAME  
BEALL PARK BASKETBALL COURTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled \$18,000
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DESCRIPTION OF PROJECT

Resurface or tile the existing court.

ALTERNATIVES CONSIDERED

Leave it the way it is.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 23**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF157</b>

PROJECT NAME						
SENIOR CENTER ELEVATOR						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$65,000				

**DESCRIPTION OF PROJECT**

The elevator at the Bozeman Senior Social Center is a three stop Otis elevator. The elevator was installed in early 1980. The elevator is to the point where many technological improvements have been made in elevator technology and a change out would yield both improved service and some reductions in energy savings.

While the elevator is still a safe system, the elevator is used often due to the special needs of the members of the Senior Center. Planning ahead for the replacement of the elevator will be more cost effective and avoid unnecessary down time during the replacement process.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

Annual Operating and Maintenance Costs:

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

**FUNDING SOURCES**

General Fund

<u>General Fund Project and Equipment Scoring</u>		<b>TOTAL RATING:</b>	<b>37</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	5
OPERATING BUDGET IMPACT (Up to 10):	7	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>GF158</b>

<b>PROJECT NAME</b>
MECHANICAL CONTROL SYSTEM - PROF BUILDING

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$30,000					

**DESCRIPTION OF PROJECT**

The current mechanical control system in the Professional Building is a York brand control system. Approximately 5 years ago the York Company was bought out by Johnson Control Company. The York components are being phased out and replaced with Johnson Control Equipment.

Overall the building systems and building comfort levels in the building are fair at the present time. Staff is experiencing some difficulties in monitoring the system and making adjustments. We have been monitoring gas and electric use in the building and a newer computerized mechanical control system would provide tighter control of the building systems and also yield better comfort levels in the building.

The first step is an analysis of the building systems and a review of the current mechanical controls to determine where the deficiencies are in the building.

**ALTERNATIVES CONSIDERED**

An analysis of the building systems and a review of the current mechanical controls is needed to determine the options for better control of the equipment .

**ADVANTAGES OF APPROVAL**

The current mechanical control system will soon be difficult to maintain as the York parts are phased out. A control package that allows for better interface and control settings adds to both energy savings and overall building comfort levels.

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

Annual Operating and Maintenance Costs: A new system will provide better control of the building temperatures and result in a reduction of energy costs.

**FUNDING SOURCES**

General Fund and possibly Building Inspection Fund

<b>General Fund Project and Equipment Scoring</b>		<b>TOTAL RATING:</b>	<b>42</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):	7
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):	0
SERVICE AREA (Up to 10):	2	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF159**

PROJECT NAME  
FIRE STATION #2 WINDOW AND DOOR REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$20,000					

**DESCRIPTION OF PROJECT**

Windows would be the first phase of the long-term maintenance plan we have for the building. In order to do a much needed siding replacement, windows should be addressed first. This project would replace the windows with aluminum clad frames and double glazed windows. There are 11 exterior windows on the building. These windows are original (over 30 years old) and are all single glazed units. The windows are all single pane units. Currently, 3 windows that are warped and do not close properly and 3 windows with rotted sills. In winter, the windows fog over and you can feel the cold infiltration, so comfort is another important component for this 24 hour a day building. There are exterior doors on the building that are not insulated. These doors would be replaced with insulated units. Window and door replacement will help secure the exterior envelope of the building.

**ALTERNATIVES CONSIDERED**

Replace the units individually as they fail. Leave the other units in place and continue to pay more for utility bills.

**ADVANTAGES OF APPROVAL**

Proper maintenance of this important public safety facility. Replacement of windows and doors that are at the end of their useful life. Advantage of energy savings: Replacement windows have a longer term for payback than some other energy improvements like lighting change outs and insulation. To get a verifiable payback calculation would require an analysis by an architect or engineer. They would look at the building construction, insulation values, building square footages and uses, and the window and door areas and their insulation values. A very simplified formula for payback estimates a 6% energy savings, with 2% energy price inflation. Under this formula, the investment to replace the windows would be paid back in 30 years.

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

Annual Operating and Maintenance Costs: Double glazed window will reduce energy consumption and improve the overall comfort level in the building.

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 48**

LEVEL OF SERVICE (Up to 20):	17	DEPARTMENT PRIORITY (Up to 10):	6
OPERATING BUDGET IMPACT (Up to 10):	8	COMMISSION WORKPLAN (Up to 10):	5
SERVICE AREA (Up to 10):	4	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
FIRE

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$15,000	\$10,000	\$10,000	\$10,000		

**DESCRIPTION OF PROJECT**

This facility is the completion of the original project that was approved in FY10. In the FY11 budget \$48,000 was delayed for the burn portion of the prop. This will complete the Fire training facility at the lower yards. It would be constructed of modular container units that will be configured and replaced when needed. This facility will be used year round. The following types of training would occur: Live Fire, Flashover, Ventilation, Forcible Entry, Confined Space, Hazardous Materials Response, and Trench Rescue. The facility would be available to the City Police Department for their training needs (Special Response Team, etc.) and to the Water and Sewer Department for continued Trench Rescue training. In recent budgets we have purchased the containers and have them stacked at the training site. The ongoing request is to begin and complete the passage doorways, roof props, burn rooms and eventually a standalone flash over prop.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund.

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 45**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FINANCE

PROJECT NUMBER  
GF163

PROJECT NAME  
COPIER/PRINTER/SCANNER REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$15,000			

DESCRIPTION OF PROJECT

Purchase of an ENERGY STAR rated Copier/Printer/Scanner to replace the current equipment, which is 6 years old.  
At replacement time, this Konica Bizhub C350 machine will be 10 years old. The current machine is not Energy Star qualified.

ALTERNATIVES CONSIDERED

Utilize a number of small printers/scanners on desktops around the office.  
Utilize other machines throughout City Hall.

ADVANTAGES OF APPROVAL

The Finance Department will have a critical piece of office equipment available in our office for customer service.  
Energy star devices are more energy efficient than other non-rated machines

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 40**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

**PROJECT NUMBER**  
**GF164**

PROJECT NAME  
REPLACEMENT OF IT AIR CONDITION UNIT AT PROFESSIONAL BUILDING

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$22,500			

DESCRIPTION OF PROJECT

Upgrade the aging air conditioner in the professional building's server room. Due to the migration to virtual servers, this piece of equipment is over-sized for today's uses. It is also out of warranty, so future repairs could be troublesome or difficult to accomplish.

ALTERNATIVES CONSIDERED

Don't replace.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 49**

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

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

<b>PROJECT NUMBER</b>
<b>GF165</b>

<b>PROJECT NAME</b>						
PATROL MOTORCYCLE REPLACEMENTS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$70,000	\$70,000		

**DESCRIPTION OF PROJECT**

FY15 - \$70,000 will replace asset # 3155, (2003, 37,973 miles\*); asset # 3112, (2002, 21,950 miles\*); \* FY16 - \$70,000 will replace asset # 3111, (2002, 18,248 miles); asset # 3154, (2003, 29,595 miles). \*Mileage as of 10/1/11. This plan allows for 2 patrol motorcycles to be replaced each year, including all of the necessary vehicle equipment (emergency lights, sirens, electronic reporting / ticketing systems, etc.) This program would replace older, higher mileage patrol motorcycles that become less reliable and more costly to repair. Equipment from the motorcycle can sometimes be transferred from the old motorcycle to the new motorcycle depending on the equipment's condition. Patrol motorcycles are an essential item in the traffic enforcement division of the Bozeman Police Department. These vehicles are used to respond to both emergency and non-emergency calls for service, investigate accidents, conduct traffic enforcement and for general patrol duties.

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 66**

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

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

<b>PROJECT NUMBER</b>
<b>GF166</b>

PROJECT NAME
PORTABLE RADIO REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$48,000	\$49,500	\$51,000	

**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. Police radios must be available for police use 24 hours a day, 365 days a year. These radios are individually assigned, allowing for greater longevity, and department-wide communication in the event of a need for major response.

**ALTERNATIVES CONSIDERED**

None.

**ADVANTAGES OF APPROVAL**

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 57**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

PROJECT NUMBER  
GF168

PROJECT NAME  
New City Hall Brick Façade Repair

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
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DESCRIPTION OF PROJECT

\*\*At the time of CIP printing, we did not have a cost estimate for this item. We hope to incorporate this project into FY13 Budget Requests.\*\* At least 6 areas of brick around windows at the new City Hall are showing signs of weather deterioration. Water has become trapped behind areas of the brick causing the brick to crack. Most of the window areas are close to the ground but on the west side of the building the windows are on the second floor and falling brick pieces have the potential to fall on people or parked vehicles in the staff lot.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% general fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 53**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

PROJECT NUMBER
<b>GF169</b>

PROJECT NAME						
SENIOR CENTER HOT WATER HEATER REPLACEMENTS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$16,000

**DESCRIPTION OF PROJECT**

The current configuration for the domestic hot water supply consists of an electric water heater that is not hooked up, but it is used as a storage tank for hot water. The second tank is a heat exchanger tank that used a hot water loop that comes from the boiler to heat the water for domestic use. This set up requires the boiler to be on all year and fires one of the two boilers to provide heat to the loop to heat the water. This is an inexpensive system to install but not highly efficient from an energy perspective because it requires firing the boiler year round. In most other buildings the boilers are shut off during the summer. The proposed change-out would replace these two tanks with two 50 gallon natural gas fired high efficiency boilers.

**ALTERNATIVES CONSIDERED**

Maintain the existing system and add additional shut-offs on some of the hot water loops so that areas of the building are not getting heat from the piping system over the summer.

**ADVANTAGES OF APPROVAL**

Replacing the current storage tanks with high efficiency fueled hot water heaters will result in energy savings and a more consistent supply of hot water. This size of heaters should be sufficient because there is a supplemental hot water heater in the kitchen for washing dishes and clean-up.

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

The new hot water heaters will provide cost savings over the summer because the boiler can be turned off.

**FUNDING SOURCES**

<b>General Fund Project and Equipment Scoring</b>				<b>TOTAL RATING:</b>	<b>47</b>
LEVEL OF SERVICE (Up to 20):	15	DEPARTMENT PRIORITY (Up to 10):		8	
OPERATING BUDGET IMPACT (Up to 10):	10	COMMISSION WORKPLAN (Up to 10):		0	
SERVICE AREA (Up to 10):	7	ADOPTED CLIMATE PLAN (Up to 5):		3	
FREQUENCY OF USE (Up to 5):	4				

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$255,665				

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

**General Fund Project and Equipment Scoring**

**TOTAL RATING: 62**

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

CIP Project Fund  
General Fund

DEPARTMENT  
FAC. MTC.

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$11,000

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 43**

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

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

**PROJECT NUMBER**  
**GF176**

PROJECT NAME  
Electronic-Discovery PC Software

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$64,500					

DESCRIPTION OF PROJECT

Currently we have software that enables electronic discovery of email communications. We are lacking the ability to enable electronic discovery of other records. This item would buy the software to more efficiently respond to discovery requests. E-DISCOVERY OF RECORDS ON NETWORK STORAGE DEVICES FOR LEGAL.

ALTERNATIVES CONSIDERED

CONTINUE TO MANUALLY DISCOVER RECORDS

ADVANTAGES OF APPROVAL

ENSURES CITY WILL DISCOVER ALL REQUESTED RECORDS

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

FUNDING SOURCES

100 % General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 36**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKING

PROJECT NUMBER  
GF177

PROJECT NAME  
Buildout of second floor office at parking garage

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$50,000					

DESCRIPTION OF PROJECT

Complete the buildout of the second floor office at the parking garage, based on preliminary architectural drawings.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Upon completion, space will be eligible for occupancy and could be rented for a revenue stream to the parking enterprise fund

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Loan from the General Fund to be repaid. Anticipated to be a 5 year loan.

General Fund Project and Equipment Scoring

**TOTAL RATING: 29**

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

CIP Project Fund  
General Fund

DEPARTMENT  
POLICE

**PROJECT NUMBER**  
**GF179**

PROJECT NAME  
Narrowband Radio Repeater Replacement

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$18,500					

**DESCRIPTION OF PROJECT**

This narrowband repeater replacement allows our communication system to be narrowband compatible which will be the FCC requirement for all public safety licensees beginning in January 2013. This repeater is city owned and services the Bozeman Police tactical channel. Non0compliance is subject to enforcement action by the FCC.

**ALTERNATIVES CONSIDERED**

Alternative funding sources may exist through grants or partial leverage of Public Safety Mill Levy and State 91 I funds.

**ADVANTAGES OF APPROVAL**

Continued operation of the police tactical channel as well as maintaining FCC compliance.

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

Continuing annual maintenance costs of approximately \$200.

**FUNDING SOURCES**

100% General Fund. We will seek cost share from Gallatin County, as they benefit from the use of this repeater whenever the Police Special Response Team is activated.

General Fund Project and Equipment Scoring

**TOTAL RATING: 50**

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

<b>PROJECT NUMBER</b>
<b>GF180</b>

<b>PROJECT NAME</b>						
Lindley Center Restrooms ADA Upgrades						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$40,000				

**DESCRIPTION OF PROJECT**

This project will upgrade existing restrooms in the Lindley Center to be compliant with federal ADA guidelines, and City of Bozeman Building codes. The project will also replace materials, such as flooring and backsplashes, with products that are easily cleaned and do not harbor pathogens. This estimate includes architectural fees, permitting, and construction.

**ALTERNATIVES CONSIDERED**

As suggested by the commission

**ADVANTAGES OF APPROVAL**

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

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

**FUNDING SOURCES**

General Fund

<b>General Fund Project and Equipment Scoring</b>		<b>TOTAL RATING:</b>	<b>52</b>
LEVEL OF SERVICE (Up to 20):	18	DEPARTMENT PRIORITY (Up to 10):	8
OPERATING BUDGET IMPACT (Up to 10):	8	COMMISSION WORKPLAN (Up to 10):	8
SERVICE AREA (Up to 10):	4	ADOPTED CLIMATE PLAN (Up to 5):	1
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

<b>PROJECT NUMBER</b>
<b>GF181</b>

<b>PROJECT NAME</b>						
Swim Center deck tile replacement						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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.

**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

General Fund Project and Equipment Scoring

**TOTAL RATING: 43**

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

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

<b>PROJECT NUMBER</b>
<b>GF182</b>

<b>PROJECT NAME</b>						
Swim Center Expansion for ADA Compliant Facility						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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.

**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

General Fund Project and Equipment Scoring

**TOTAL RATING: 46**

LEVEL OF SERVICE (Up to 20):	13	DEPARTMENT PRIORITY (Up to 10):	5
OPERATING BUDGET IMPACT (Up to 10):	5	COMMISSION WORKPLAN (Up to 10):	10
SERVICE AREA (Up to 10):	5	ADOPTED CLIMATE PLAN (Up to 5):	3
FREQUENCY OF USE (Up to 5):	5		

CIP Project Fund  
General Fund

DEPARTMENT  
RECREATION

PROJECT NUMBER  
GF183

PROJECT NAME  
Bogert Pool Bath House Renovation/Reconstruction

- New
- Replacement
- Equipment
- Project

FY13      FY14      FY15      FY16      FY17      Unscheduled

DESCRIPTION OF PROJECT

\*\*At the time of CIP printing, no price estimate was available for this project. As more information becomes available, we will incorporate it into future CIP. \*\* This project will be for the renovation/reconstruction of the bathhouse at Bogert Pool. The will bring the bathhouse up to current codes for plumbing, electrical, and structural. This will also bring the bathhouse up to current ADA standards.

ALTERNATIVES CONSIDERED

Full Remodel of Existing House

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 37**

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

CIP Project Fund  
General Fund

DEPARTMENT  
I.T.

PROJECT NUMBER
<b>GF184</b>

PROJECT NAME
WEB MAPPING

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$25,000				

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

Contracted professional services for custom application development.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

General Fund

General Fund Project and Equipment Scoring

**TOTAL RATING: 46**

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

CIP Project Fund  
General Fund

DEPARTMENT  
PARKS/FAC. MTC.

PROJECT NUMBER  
PW01

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$10,000			

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

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

General Fund Project and Equipment Scoring

TOTAL RATING:

LEVEL OF SERVICE (Up to 20):

DEPARTMENT PRIORITY (Up to 10):

OPERATING BUDGET IMPACT (Up to 10):

COMMISSION WORKPLAN (Up to 10):

SERVICE AREA (Up to 10):

ADOPTED CLIMATE PLAN (Up to 5):

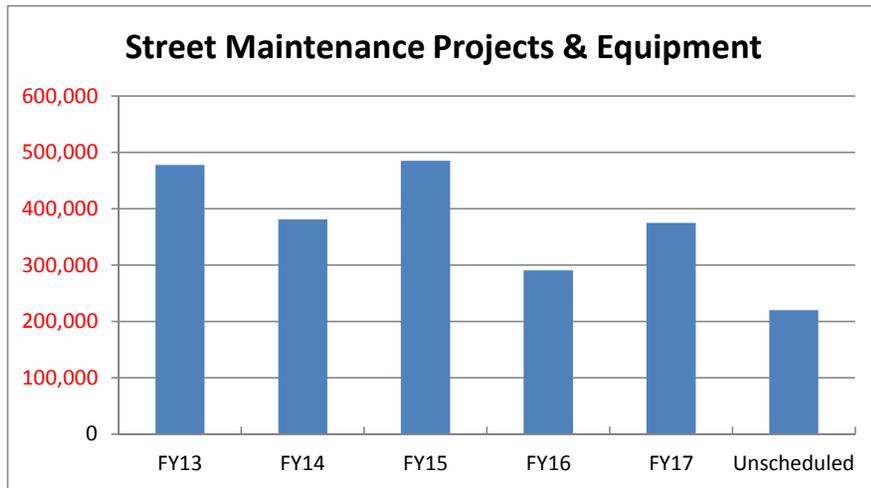
FREQUENCY OF USE (Up to 5):

**Street Maintenance District  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 88,047	\$ 141,197	\$ 9,924	\$ 28,291	\$ 871	\$ 226,399	
Plus: Street Mtc Revenues Dedicated to CIP	\$ 293,150	\$ 346,450	\$ 399,750	\$ 457,581	\$ 516,528	\$ 576,608	\$ -
Less: Scheduled CIP Project Costs	\$ (240,000)	\$ (477,723)	\$ (381,383)	\$ (485,000)	\$ (291,000)	\$ (375,000)	\$ (220,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 141,197</b>	<b>\$ 9,924</b>	<b>\$ 28,291</b>	<b>\$ 871</b>	<b>\$ 226,399</b>	<b>\$ 428,007</b>	

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
<i>Estimated Annual Street Mtc Revenues</i>	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,691,650	\$ 2,718,567
<i>Estimated Annual Increase - Attributed to Annexations</i>	-	0%	0%	1%	1%	1%
<i>Total Estimated Revenues</i>	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,691,650	\$ 2,718,567	\$ 2,745,752
<i>Current Revenues Dedicated to CIP %</i>	11.0%	11.0%	13.0%	15.0%	17.0%	19.0%
<i>Plus: Increase Dedicated to CIP</i>	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%
<i>Total % Dedicated to CIP</i>	11.0%	13.0%	15.0%	17.0%	19.0%	21.0%
<i>Total Estimated Revenues Dedicated to CIP</i>	\$ 293,150	\$ 346,450	\$ 399,750	\$ 457,581	\$ 516,528	\$ 576,608



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Street Maintenance District									
	PW01	STREETS	SHOPS FACILITY EXPANSION PLAN			\$10,000			
	STR01	STREETS	STREET SERVICE TRUCKS	\$47,244	\$66,000		\$66,000		
	STR09	STREETS	LOADER	\$175,479					
	STR11	STREETS	MEDIAN AND BOULEVARD MAINTENANCE	\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	
	STR17	STREETS	SINGLE AXEL DUMP TRUCK W/PLOW AND SANDER		\$140,383				
	STR20	STREETS	BIKE PATH IMPROVEMENTS	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
	STR21	STREETS	CONVEYOR	\$35,000					
	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	
	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			
	STR36	STREETS	MECHANICAL SWEEPER						\$220,000
	WW23	STREETS	MINI EXCAVATOR & TRAILER	\$25,000					

<i>Summary for Street Maintenance District (14 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$477,723	\$381,383	\$485,000	\$291,000	\$375,000	\$220,000

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**PW01**

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

<b>PROJECT NUMBER</b>
<b>STR01</b>

PROJECT NAME
STREET SERVICE TRUCKS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$47,244	\$66,000		\$66,000		

**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

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR09

PROJECT NAME  
LOADER

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$175,479					

- New
- Replacement
- Equipment
- Project

DESCRIPTION OF PROJECT

This is a request for a front end loader to replace our 1978 Fiat, which will be 35 years old at time of replacement. When this loader is used with any frequency it seldom makes it thru an 8 hour shift. It would be traded in or auctioned. The new loader could use alternative fuels such as Biodiesel. A new loader would have exhaust gas after treatment resulting in particulate matter and NOx reductions of at least 90%. CO2 emissions would be reduced by more than 8 tons annually. In cab decibel levels are over 100 in the Fiat where a new loader would be in the 70 decibel range which would lessen operator fatigue and allow the operator to operate the loader without hearing protection.

ALTERNATIVES CONSIDERED

Continue to use Fiat when it runs.

ADVANTAGES OF APPROVAL

Safer more reliable equipment. Newer technology would increase production. Use of alternative fuels. Decrease in exhaust emissions. Able to be more productive and not have to schedule our work around whether the Fiat is operational.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs.

FUNDING SOURCES

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR11

PROJECT NAME  
MEDIAN AND BOULEVARD MAINTENANCE

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	

DESCRIPTION OF PROJECT

This money would be used to repair and maintain the City's boulevards and medians. Projects might include irrigation, seeding, planting and curbing. Money would be added to this fund yearly so as to continue to bring our medians and boulevards up to the standards our citizens expect. Because of important work accomplished (irrigation wells installed, etc.) in FY10-FY13, we are recommending a decreasing amount be allocated in the later years of this plan.

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.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

As Scheduled.

FUNDING SOURCES

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR17

PROJECT NAME  
SINGLE AXEL DUMP TRUCK W/PLOW AND SANDER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$140,383				

DESCRIPTION OF PROJECT

This is a request for a single axle dump truck with 4 yard box. A plow and sander would also be included. This would replace a 1986 dump truck that will be 27 years old at time of replacement and move to backup. The backup 1978 dump truck will be auctioned. The 1986 truck is underpowered with a gas engine that averages 2-3 MPG. This truck could be fueled with alternative fuels such as Biodiesel. Emission standards for this old of gasoline powered heavy duty truck are not available but it is safe to say that the decrease would be significant with the new diesel powered unit. Improved safety devices such as air brakes, shoulder belts and radial tires would be standard on a new truck. The sander would be equipped with pre wet to aid in winter sanding operations.

ALTERNATIVES CONSIDERED

Continue to use 1986 model. Rent. Lease.

ADVANTAGES OF APPROVAL

More productivity, current model can't make it up Highland Blvd. fully loaded. Better fuel economy and fewer emissions. Use of alternative fuels. Reliability. Safer. Save on maintenance and repair costs. Less fuel consumed.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

No additional operating costs.

FUNDING SOURCES

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR20**

PROJECT NAME  
BIKE PATH IMPROVEMENTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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 currently-underway Transportation Plan Update could be a method for prioritizing possible future projects which will rely heavily upon these funds (as well as the recently adopted Safe Routes to School Program). The Bozeman Area Bicycle Advisory board recommends how to best use this money.

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**  
**STR21**

PROJECT NAME  
CONVEYOR

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$35,000					

**DESCRIPTION OF PROJECT**

This is a request for a self powered conveyor for stacking materials. Currently we stack with a loader and can only go as high as the loader can safely stockpile.

**ALTERNATIVES CONSIDERED**

Continue to use a loader. Buy used. Contract out.

**ADVANTAGES OF APPROVAL**

Available to stack materials in a smaller footprint thus saving valuable space.

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

Operating costs would be less than when using a loader to stockpile.

**FUNDING SOURCES**

100% Street Maintenance District Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
STR22

PROJECT NAME  
GRADER LEASE

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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 '03 is currently on a lease purchase so the 1981 wouldn't be replaced until FY 2013. 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

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$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

FY13	FY14	FY15	FY16	FY17	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

FY13	FY14	FY15	FY16	FY17	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 Maintenance Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR35**

PROJECT NAME  
REGENERATIVE AIR SWEEPER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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 Revenue

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**STR36**

PROJECT NAME  
MECHANICAL SWEEPER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$220,000

**DESCRIPTION OF PROJECT**

This is a request for a mechanical street sweeper. This would replace our 2005 sweeper. Mechanical sweepers still have a place in our fleet as they can be used in weather below freezing because they can operate without water.

**ALTERNATIVES CONSIDERED**

Continue to use 2005 model. Lease.

**ADVANTAGES OF APPROVAL**

More reliable newer equipment. Much less expense for maintenance. Better job of sweeping. Better fuel mileage and lower emissions. Less down time.

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

**FUNDING SOURCES**

100% Street Maintenance Fund

CIP Project Fund  
Street Maintenance District

DEPARTMENT  
STREETS

PROJECT NUMBER  
WW23

PROJECT NAME  
MINI EXCAVATOR & TRAILER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$25,000					

DESCRIPTION OF PROJECT

This piece of equipment due to it's small size, is very useful in excavating where the backhoe cannot fit or due to it's weight will damage sidewalks and lawns. This purchase of equipment and trailer will also be shared with the Streets Department.

ALTERNATIVES CONSIDERED

Continue to rent this piece of equipment

ADVANTAGES OF APPROVAL

Give's both the Water and Street Departments a piece of equipment that can work in small spaces

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Operating and repair costs are expected to be lower than a normal size backhoe

FUNDING SOURCES

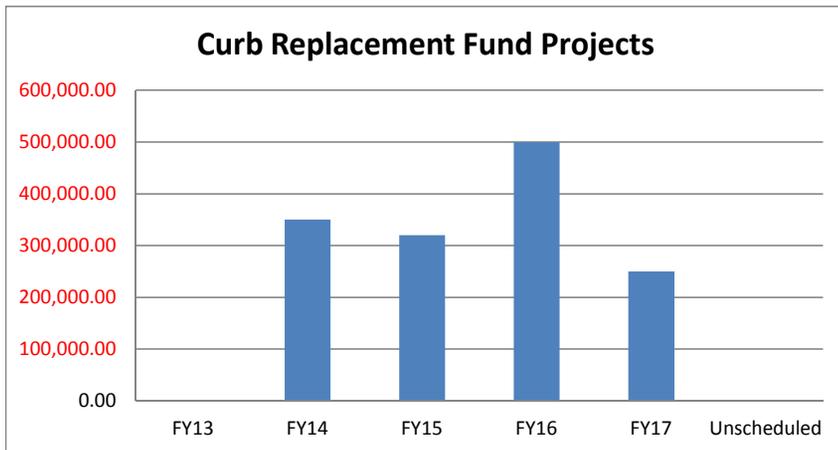
Total Cost \$75,000, split 3-ways between Water Fund, Wastewater Fund, and Street Maintenance Fund (\$25,000 each.)

**Curb Replacements  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 92,903	\$ 228,709	\$ 438,609	\$ 351,809	\$ 350,974	\$ 172,831	\$ -
Plus: Street Mtc Revenues Dedicated to Curb Replacement	\$ 85,806	\$ 159,900	\$ 213,200	\$ 269,165	\$ 271,857	\$ 274,575	\$ -
Plus: Gas Tax Dollars for Curb Replacements	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -
Less: Scheduled CIP Project Costs		\$ -	\$ (350,000)	\$ (320,000)	\$ (500,000)	\$ (250,000)	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 228,709</b>	<b>\$ 438,609</b>	<b>\$ 351,809</b>	<b>\$ 350,974</b>	<b>\$ 172,831</b>	<b>\$ 247,406</b>	<b>\$ -</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Street Mtc Revenues	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,691,650	\$ 2,718,567
Estimated Annual Increase - Attributed to Annexations	0%	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,691,650	\$ 2,718,567	\$ 2,745,752
Current Revenues Dedicated to CIP %	2.0%	4.0%	6.0%	8.0%	10.0%	10.0%
Plus: Increase Dedicated to Curb Replacements	2.0%	2.0%	2.0%	2.0%	0.0%	0.0%
Total % Dedicated to CIP	4.0%	6.0%	8.0%	10.0%	10.0%	10.0%
Total Estimated Revenues Dedicated to Curb Replacement CIP	\$ 106,600	\$ 159,900	\$ 213,200	\$ 269,165	\$ 271,857	\$ 274,575



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Curb Replacement Fund									
	CR01	STREETS	CURB REPLACEMENTS		\$350,000	\$320,000	\$500,000	\$250,000	

<i>Summary for Curb Replacement Fund (1 item)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>					\$350,000	\$320,000	\$500,000	\$250,000	

CIP Project Fund  
Curb Replacement Fund

DEPARTMENT  
STREETS

**PROJECT NUMBER**  
**CR01**

PROJECT NAME  
CURB REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$350,000	\$320,000	\$500,000	\$250,000	

DESCRIPTION OF PROJECT

This item is the replacement of existing deteriorated curbs and gutters. We estimate that approximately 6-8 blocks (both sides of the street) would be able to be replaced each year, if this were the only source of project funding. Preference will be give to funding projects that can combine or leverage this money with other funds, in order to accomplish more total curb replacements. Eligible curbs are those listed as "failing" on the City's curb condition inventory.

ALTERNATIVES CONSIDERED

Do not replace the curbs

ADVANTAGES OF APPROVAL

This aging infrastructure will be repaired.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

Street Maintenance District annual assessment is combined with Gas Tax to accomplish these projects.

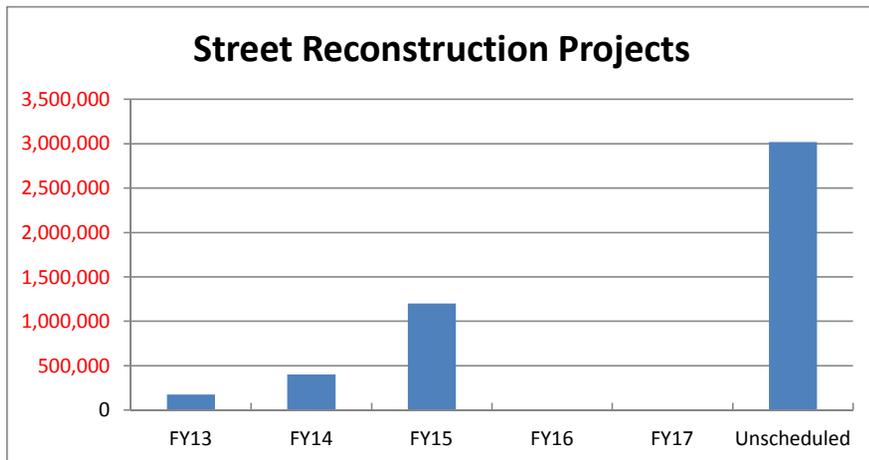


**Street Reconstruction  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ 159,952	\$ 304,752	\$ 384,452	\$ (331,051)	\$ 158,291	
Plus: Street Maintenance Assessments Dedicated	\$ 159,952	\$ 319,800	\$ 479,700	\$ 484,497	\$ 489,342	\$ 494,235	
Less: Scheduled CIP Project Costs		\$ (175,000)	\$ (400,000)	\$ (1,200,000)	\$ -	\$ -	\$ (3,020,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 159,952</b>	<b>\$ 304,752</b>	<b>\$ 384,452</b>	<b>\$ (331,051)</b>	<b>\$ 158,291</b>	<b>\$ 652,526</b>	<b>\$ (3,020,000)</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Street Reconstruction Revenue	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,691,650	\$ 2,718,567
Estimated Annual Increase - Attributed to Annexations		0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 2,665,000	\$ 2,665,000	\$ 2,665,000	\$ 2,691,650	\$ 2,718,567	\$ 2,745,752
Current Revenues Dedicated to CIP %	0.0%	6.0%	12.0%	18.0%	18.0%	18.0%
Plus: Increase Dedicated to Reconstruction	6.0%	6.0%	6.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	6.0%	12.0%	18.0%	18.0%	18.0%	18.0%
Total Estimated Revenues Dedicated to CIP	\$ 159,900	\$ 319,800	\$ 479,700	\$ 484,497	\$ 489,342	\$ 494,235



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Street Reconstruction									
	REC01	STREETS	Baxter Lane (19th to Buckrake) - a segment of the area included in Street Impact Fee item SIF02	\$175,000		\$350,000			
	REC03	STREETS	Baxter Lane (Buckrake Lane to Davis) - a segment of the area included in Street Impact Fee item SIF02						\$520,000
	REC04	STREETS	Story Street (Church Avenue To Tracy Avenue)		\$400,000				
	REC05	STREETS	Grand Avenue (Olive Street to Garfield Street)			\$850,000			
	REC06	STREETS	Olive Street (Church Avenue to 8th Avenue)						\$1,000,000
	REC07	STREETS	Baxter Lane (West of 7th Avenue)						\$900,000
	SIF08	STREETS	Durston Road (Fowler to Ferguson)						\$600,000

<i>Summary for Street Reconstruction (7 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$175,000	\$400,000	\$1,200,000			\$3,020,000

**Baxter  
(19th to Buckrake)**

**Baxter  
(West of N 7th Ave)**

**Baxter  
(Davis to Buckrake)**

BAXTER LN

DAVIS LN

N 19TH AVE

N 7TH AVE

W OAK ST

N ROUSE AVE

**Durston  
(Ferguson to Fowler)**

DURSTON RD

**Olive  
(Church to 8th)**

DURSTON RD

DURSTON RD

W MAIN ST

E MAIN ST

FOWLER LN

N 7TH AVE

HUFFINE LN

W COLLEGE ST

**Story  
(Church to Tracy)**

**City Limits**

S 19TH AVE

W KAGY BLVD

**Grand  
(Olive to Garfield)**

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

PROJECT NUMBER  
REC01

PROJECT NAME  
Baxter Lane (19th to Buckrake) - a segment of the area included in Street Impact Fee item SIF02

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$175,000		\$350,000			

DESCRIPTION OF PROJECT

Roadway has been widened in a piecemeal fashion as adjoining properties developed, and most of the work is needed on the north half. Some sections of original roadway remain, and may require additional structural strengthening prior to a mill and overlay. Project will also include curb, gutter sidewalk and bike lanes.

#### ALTERNATIVES CONSIDERED

None. Pavement maintenance activities deemed largely ineffective due to condition.

#### ADVANTAGES OF APPROVAL

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

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

#### FUNDING SOURCES

Street Maintenance District - Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>REC03</b>

<b>PROJECT NAME</b>						
Baxter Lane (Buckrake Lane to Davis) - a segment of the area included in Street Impact Fee item SIF02						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$520,000

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

This project includes installing curb, gutter, sidewalk and bike lanes on this section of Baxter Lane.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

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

**FUNDING SOURCES**

Street Maintenance District - Reconstruction Funds, Street Impact Fees

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>REC04</b>

<b>PROJECT NAME</b>						
Story Street (Church Avenue To Tracy Avenue)						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$400,000				

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

Reconstruction of the street, including repairs to sidewalks, curbs, gutters and pedestrian ramps as needed.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

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

Should be reduced if consistent maintenance is performed on the rebuilt street.

**FUNDING SOURCES**

Street Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>REC05</b>

<b>PROJECT NAME</b>						
Grand Avenue (Olive Street to Garfield Street)						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$850,000			

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

Reconstruction of the street, including repairs to sidewalks, curbs, gutters and pedestrian ramps as needed.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

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

**FUNDING SOURCES**

Street Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>REC06</b>

<b>PROJECT NAME</b>						
Olive Street (Church Avenue to 8th Avenue)						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$1,000,000

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

Reconstruction of the street, including repairs to sidewalks, curbs, gutters and pedestrian ramps as needed.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

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

**FUNDING SOURCES**

Street Reconstruction Funds

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

<b>PROJECT NUMBER</b>
<b>REC07</b>

<b>PROJECT NAME</b>						
Baxter Lane (West of 7th Avenue)						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$900,000

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

Roadway has been widened in a piecemeal fashion as adjoining properties developed. Some sections of original roadway remain, and may require additional structural strengthening prior to a mill and overlay. Project will also include curb, gutter sidewalk and bike lanes.

**ALTERNATIVES CONSIDERED**

None. Pavement maintenance activities deemed largely ineffective due to condition.

**ADVANTAGES OF APPROVAL**

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

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

**FUNDING SOURCES**

Street Reconstruction Funds, Street Impact Fees

CIP Project Fund  
Street Reconstruction

DEPARTMENT  
STREETS

PROJECT NUMBER  
SIF08

PROJECT NAME  
Durston Road (Fowler to Ferguson)

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$600,000

DESCRIPTION OF PROJECT

TOTAL PROJECT COST: \$1,500,000. THIS PROJECT REQUIRES A SUBSTANTIAL AMOUNT OF STREET IMPACT FEE FUNDING = \$900,000. Over recent years, Durston Road has been significantly improved, except for this small portion of the road. This ~1/4 mile length of road needs to be improved with completed sidewalks, bike lanes, and additional driving and turn lanes.

ALTERNATIVES CONSIDERED

none

ADVANTAGES OF APPROVAL

Maintenance activities, primarily pothole patching and spot repairs, are no longer sufficient to preserve this street and can be considered stop gap. Once the street is rebuilt standard O&M procedures will once again be cost effective in extending the life of the street.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

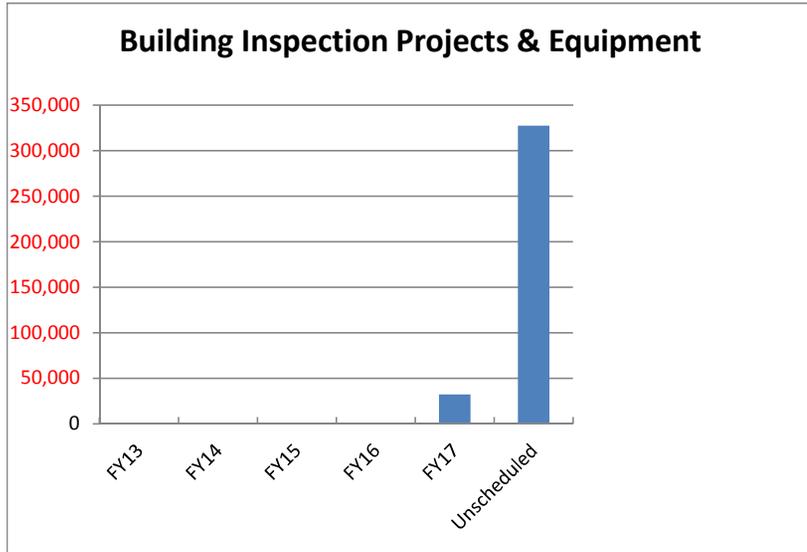
Street Maintenance Reconstruction Funds, Street Impact Fees

**Building Inspection  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 260,000	\$ 260,000	\$ 260,000	\$ 260,000	\$ 260,000	\$ 260,000	
Plus: Building Inspection Revenues Dedicated to CIP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less: Scheduled CIP Project Costs		\$ -	\$ -	\$ -	\$ -	\$ (32,500)	\$ (327,500)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 260,000</b>	<b>\$ 227,500</b>					

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Building Inspection Revenues	\$ 659,000	\$ 659,000	\$ 659,000	\$ 659,000	\$ 665,590	\$ 672,246
Estimated Growth in Revenues	-	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 659,000	\$ 659,000	\$ 659,000	\$ 665,590	\$ 672,246	\$ 678,968
Current Revenues Dedicated to CIP %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Plus: Increase Dedicated to Capital Improvements %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Estimated Revenues Dedicated to CIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Building Inspection									
	BI01	BUILD. INSP.	STAFF VEHICLE REPLACEMENTS					\$32,500	\$227,500
	BI02	BUILD. INSP.	Building Division Software and Hardware Upgrade- One Solution, Field Mobile						\$100,000

<i>Summary for Building Inspection (2 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>								\$32,500	\$327,500

CIP Project Fund  
Building Inspection

DEPARTMENT  
BUILD. INSP.

**PROJECT NUMBER**  
**BI01**

PROJECT NAME  
STAFF VEHICLE REPLACEMENTS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
				\$32,500	\$227,500

**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. 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. Our best estimate of replacements needed at this time is referenced in the table on the following page. Vehicle Mileage updated October 2011.

**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 vehicle purchase/replacement policy.

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

**FUNDING SOURCES**

100% Building Inspection Fund Reserves

# Building Inspection Vehicles - Details

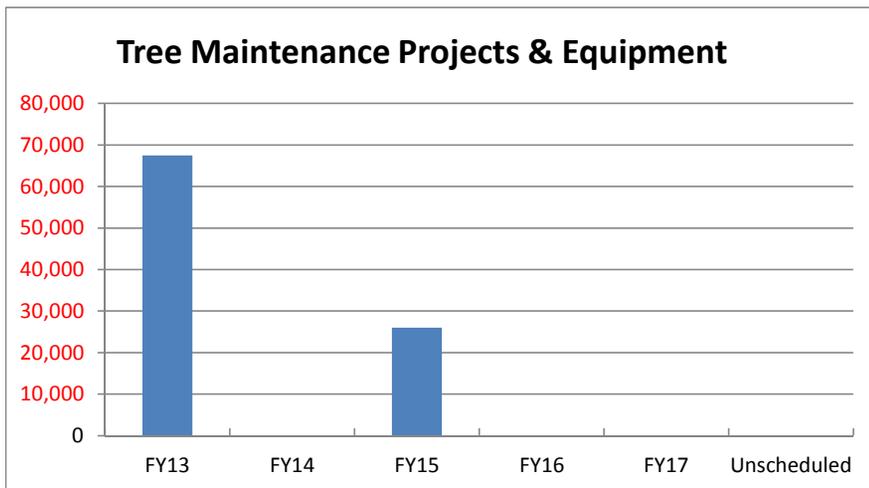
Project Number	Asset #	Make	Model Yr	Current Mileage	FY13	FY14	FY15	FY16	FY17	Unscheduled	Notes
BI01	3218	Grand Cherokee	2004	37,292						\$32,500	Beyond FY17
	3328	Dodge Durango	2006	50,342						\$32,500	Beyond FY17
	3329	Dodge Durango	2008	46,263						\$32,500	Beyond FY17
	3353	Jeep Liberty	2006	20,439						\$32,500	Beyond FY17
	3354	Jeep Liberty	2006	34,260						\$32,500	Beyond FY17
	3404	Dodge Durango	2008	11,178						\$32,500	Beyond FY17
	3405	Dodge Durango	2008	29,864						\$32,500	Beyond FY17
	3144	Jeep Liberty	2003	46,266					\$32,500		
<b>Total By Year for Vehicle Replacements</b>									\$32,500	\$227,500	

**Tree Maintenance District  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 23,649	\$ 45,649	\$ 157	\$ 22,157	\$ 18,377	\$ 40,819	\$ -
Plus: Tree Mtc Revenues Dedicated to CIP	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,220	\$ 22,442	\$ 22,667	\$ -
Less: Scheduled CIP Project Costs	\$ -	\$ (67,492)	\$ -	\$ (26,000)	\$ -	\$ -	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 45,649</b>	<b>\$ 157</b>	<b>\$ 22,157</b>	<b>\$ 18,377</b>	<b>\$ 40,819</b>	<b>\$ 63,486</b>	<b>\$ -</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Tree Mtc Revenues	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 404,000	\$ 408,040
Estimated Annual Increase - Attributed to Annexations	-	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 400,000	\$ 400,000	\$ 400,000	\$ 404,000	\$ 408,040	\$ 412,120
Current Revenues Dedicated to CIP %	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%
Total Estimated Revenues Dedicated to CIP	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,220	\$ 22,442	\$ 22,667



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
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Tree Maintenance District

FOR06	FORESTRY	CHIPPER	\$67,492						
FOR07	FORESTRY	1/2 TON TRUCK			\$26,000				

<i>Summary for Tree Maintenance District (2 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$67,492		\$26,000			

CIP Project Fund  
Tree Maintenance District

DEPARTMENT  
FORESTRY

<b>PROJECT NUMBER</b>
<b>FOR06</b>

PROJECT NAME
CHIPPER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$67,492					

DESCRIPTION OF PROJECT
------------------------

This a request to replace a 2000 model chipper. This would be a scheduled equipment replacement as this chipper would be over 12 years old. This equipment would be powered by an alternative fuel such as BioDiesel.

**ALTERNATIVES CONSIDERED**

Continue to use older, less efficient model.  
Lease.  
As directed by Commission.

**ADVANTAGES OF APPROVAL**

Replacing the old chipper will provide the division with more reliable equipment, improved safety, use of alternative fuels, lower exhaust emissions, and more production due to improvements in design.

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

Annual Operating & Maintenance Costs: no increase. A new chipper would be cheaper than the existing repairs required on the older model currently in use.

**FUNDING SOURCES**

100% Tree Maintenance District Fund Revenue

CIP Project Fund  
Tree Maintenance District

DEPARTMENT  
FORESTRY

<b>PROJECT NUMBER</b>
<b>FOR07</b>

PROJECT NAME						
1/2 TON TRUCK						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$26,000			

DESCRIPTION OF PROJECT
------------------------

This is a request to replace a 1999 pickup. This would be a scheduled replacement as this truck will be 15 years old. This truck would be passed on to another department such as Parks to be used by seasonal employees.

**ALTERNATIVES CONSIDERED**

Continue to use older, less fuel efficient model.

Lease.

As directed by Commission.

**ADVANTAGES OF APPROVAL**

Replacing this equipment provide the division with more reliable equipment, improved safety, use of alternative fuels, lower exhaust emissions.

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

**FUNDING SOURCES**

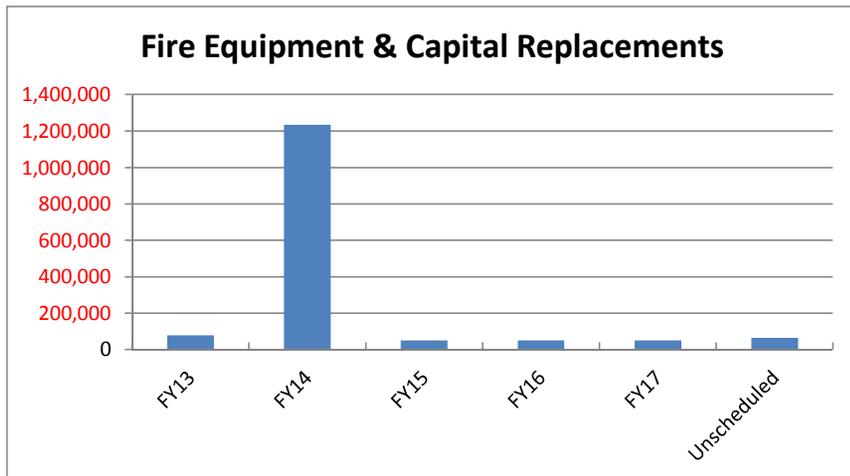
100% Tree Maintenance District Fund Revenue

**Fire Equipment & Capital Replacement  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 205,000	\$ 598,248	\$ 851,914	\$ (48,240)	\$ 239,955	\$ 531,531	
Plus: Dedicated Tax Revenues 4 Mills	\$ 328,248	\$ 331,530	\$ 334,846	\$ 338,194	\$ 341,576	\$ 344,992	\$ -
Plus: General Fund Capital Carryover (Command Vehicle)	\$ 65,000						
Less: Scheduled CIP Project Costs	\$ -	\$ (77,864)	\$ (1,235,000)	\$ (50,000)	\$ (50,000)	\$ (50,000)	\$ (65,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 598,248</b>	<b>\$ 851,914</b>	<b>\$ (48,240)</b>	<b>\$ 239,955</b>	<b>\$ 531,531</b>	<b>\$ 826,523</b>	

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
<i>Estimated Annual Tax Revenues</i>	\$ 328,248	\$ 328,248	\$ 331,530	\$ 334,846	\$ 338,194	\$ 341,576
<i>Estimated Annual Increase</i>	-	1%	1%	1%	1%	1%
<i>Total Estimated Revenues</i>	\$ 328,248	\$ 331,530	\$ 334,846	\$ 338,194	\$ 341,576	\$ 344,992
<i>Current Revenues Dedicated to CIP %</i>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<i>Plus: Increase Dedicated to CIP</i>	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total % Dedicated to CIP</i>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<i>Total Estimated Revenues Dedicated to CIP</i>	\$ 328,248	\$ 331,530	\$ 334,846	\$ 338,194	\$ 341,576	\$ 344,992



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Fire Equip & Capital Replacement									
	FE02	FIRE	REPLACEMENT OF LADDER TRUCK		\$1,200,000				
	FE03	FIRE	FIRE STATION #1 REMODEL - SCHEMATIC DESIGN	\$42,864					
	FE04	FIRE	COMMAND VEHICLE - BATTALION CHIEF						\$65,000
	FE05	FIRE	Defibrillator Replacement Program	\$35,000	\$35,000				
	FE06	FIRE	Portable Radio Replacement Program			\$50,000	\$50,000	\$50,000	

<i>Summary for Fire Equip &amp; Capital Replacement (5 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$77,864	\$1,235,000	\$50,000	\$50,000	\$50,000	\$65,000

CIP Project Fund	DEPARTMENT					<b>PROJECT NUMBER</b>
Fire Equip & Capital Replacement	FIRE					<b>FE02</b>
PROJECT NAME						<input type="checkbox"/> New
REPLACEMENT OF LADDER TRUCK						<input checked="" type="checkbox"/> Replacement
FY13	FY14	FY15	FY16	FY17	Unscheduled	<input checked="" type="checkbox"/> Equipment
	\$1,200,000					<input type="checkbox"/> Project

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund

CIP Project Fund		DEPARTMENT					PROJECT NUMBER	
Fire Equip & Capital Replacement		FIRE					FE03	
PROJECT NAME								<input type="checkbox"/> New
FIRE STATION #1 REMODEL - SCHEMATIC DESIGN								<input checked="" type="checkbox"/> Replacement
FY13	FY14	FY15	FY16	FY17	Unscheduled	<input type="checkbox"/> Equipment		
\$42,864						<input checked="" type="checkbox"/> Project		

**DESCRIPTION OF PROJECT**

The purpose of this project is to create a long term facility plan for the existing Fire Station One building located at 34 North Rouse. Currently there are several projects proposed for this facility, all in different budgets. Existing needs related to re-roofing, heating and ventilation systems, repairs identified in the Facility Condition Index's, expansion to upper levels for the Fire Department and projected temporary expansion of the Police Department side all need to be coordinated. As all of these items interrelate it is important that a facility wide plan be created. As the Fire Department 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 the schematic design to guide future projects to improve the current living conditions, increase space for existing Firefighters and prepare for future increases in staffing as our community continues to grow. The study is divided into two specific parts. Part one, (Condition Assessment and Feasibility Report, \$17,885) and Part two, (Programming and Conceptual Design, \$24,979)

This project will not proceed to Part two if the information gathered in Part one shows that the building is not structurally capable of being expanded.

**ALTERNATIVES CONSIDERED**

Continue with utilizing the existing station as is. Continue to coordinate projects and maintain facility as reasonably as possible. This project is divided into two specific parts to allow for alternative options. A key component to the first section is the seismic and structural feasibility of the facility. This portion will give us the information to decide if we will be able to proceed with the

**ADVANTAGES OF APPROVAL**

This project will create a "plan" for the future needs of this facility.

It will coordinate several different projects proposed for this structure thus potentially saving unnecessary costs related to timing of the individual projects.

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

Annual Operating and Maintenance Costs: This is a onetime expense for the plan. The plan will identify future estimated costs for construction related to this building.

**FUNDING SOURCES**

100% Fire Capital & Equipment Replacement Fund.

CIP Project Fund	DEPARTMENT					<b>PROJECT NUMBER</b>
Fire Equip & Capital Replacement	FIRE					<b>FE04</b>
PROJECT NAME						<input checked="" type="checkbox"/> New
COMMAND VEHICLE - BATTALION CHIEF						<input type="checkbox"/> Replacement
FY13	FY14	FY15	FY16	FY17	Unscheduled	<input checked="" type="checkbox"/> Equipment
					\$65,000	<input type="checkbox"/> Project

**DESCRIPTION OF PROJECT**

\$65,000 Total: \$35,000 for flex-fuel SUV, plus \$30,000 equipment (radios, MDT, emergency response & lighting package and installation) Moved to unscheduled, pending hiring of the positions. This project would fund the purchase and equipping of an emergency response vehicle for the department's shift supervisor. This is a new position funded through the fire department mill levy that will be responsible for the daily operations of the department's 3 fire stations, including incident command and management of emergency scenes. The equipment purchased with this vehicle may be transferable to another vehicle depending on technology changes and requirements. This project will need to move from unscheduled to scheduled once Battalion Chiefs are approved.

**ALTERNATIVES CONSIDERED**

Purchase a used vehicle although the equipment (radios, response equipment, MDT, etc.) will still have to be funded in order to make any vehicle usable in this role.

**ADVANTAGES OF APPROVAL**

Reduce wear and tear of larger fire engines as the shift supervisor will assume most of the routine operational readiness functions and coordination of the 3 fire stations (station supplies, mail, administrative duties, etc.). Provide a greater level of current staff efficiency by assuming incident management and coordination roles allowing fire suppression staff to fulfill response roles.

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

Annual Operating and Maintenance Costs: routine maintenance including oil changes and normal wear and tear items should be similar to current staff vehicles. Fuel usage will be determined by job function and call volume.

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund

CIP Project Fund		DEPARTMENT				PROJECT NUMBER	
Fire Equip & Capital Replacement		FIRE				FE05	
PROJECT NAME							<input type="checkbox"/> New
Defibrillator Replacement Program							<input checked="" type="checkbox"/> Replacement
FY13	FY14	FY15	FY16	FY17	Unscheduled	<input checked="" type="checkbox"/> Equipment	
\$35,000	\$35,000					<input type="checkbox"/> Project	

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund

CIP Project Fund	DEPARTMENT					<b>PROJECT NUMBER</b>
Fire Equip & Capital Replacement	FIRE					<b>FE06</b>
<b>PROJECT NAME</b>						<input type="checkbox"/> New
Portable Radio Replacement Program						<input checked="" type="checkbox"/> Replacement
FY13	FY14	FY15	FY16	FY17	Unscheduled	<input checked="" type="checkbox"/> Equipment
		\$50,000	\$50,000	\$50,000		<input type="checkbox"/> Project

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

none

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

100% Fire Equipment & Capital Replacement Fund

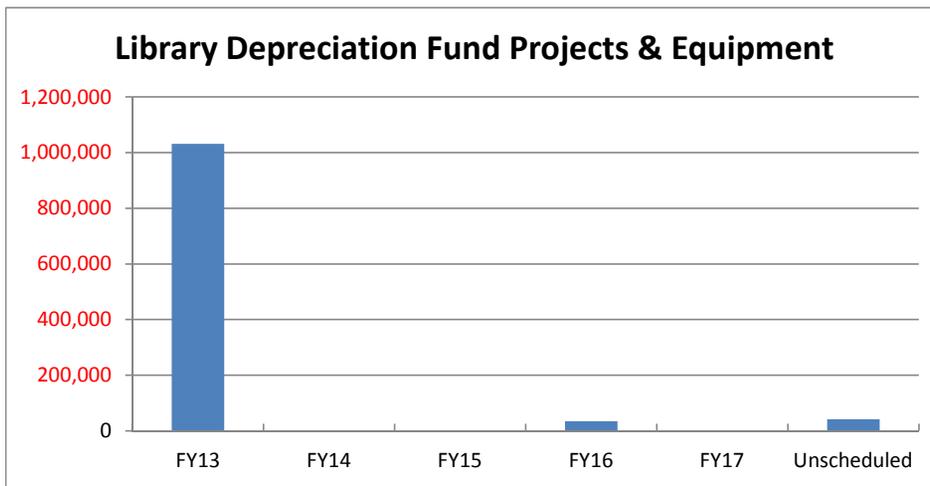


## Library Depreciation Reserve Fund Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 243,000	\$ 243,000	\$ 229,000	\$ 246,170	\$ 263,512	\$ 246,027	
Plus: Estimated Annual Unspent Appropriations	\$ -	\$ 17,000	\$ 17,170	\$ 17,342	\$ 17,515	\$ 17,690	\$ -
Plus: Hail Damage Insurance Proceeds		\$ 500,000					
Plus: Contribution		\$ 500,000			\$ -		
Less: Scheduled CIP Project Costs	\$ -	\$ (1,031,000)	\$ -	\$ -	\$ (35,000)	\$ -	\$ (41,880)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 243,000</b>	<b>\$ 229,000</b>	<b>\$ 246,170</b>	<b>\$ 263,512</b>	<b>\$ 246,027</b>	<b>\$ 263,717</b>	

### Assumptions Made for Revenue Estimates:

	Projected				
	FY13	FY14	FY15	FY16	FY17
Estimated Annual Library Budget	\$ 1,700,000	\$ 1,717,000	\$ 1,734,170	\$ 1,751,512	\$ 1,769,027
Estimated Amount of Budget left Unused	1%	1%	1%	1%	1%
Estimated Annual Unspent Appropriations	\$ 17,000	\$ 17,170	\$ 17,342	\$ 17,515	\$ 17,690
Current Budget Amount Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to Capital Improvements %	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 17,000	\$ 17,170	\$ 17,342	\$ 17,515	\$ 17,690



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Library Depreciation Reserve									
	LIB01	LIBRARY	PUBLIC ADDRESS SYSTEM	\$31,000					
	LIB02	LIBRARY	FILM & FICHE SCANNER						\$15,500
	LIB03	LIBRARY	SELF CHECK STATION						\$14,000
	LIB04	LIBRARY	ROOF REPAIRS	\$1,000,000					
	LIB05	FAC. MTC.	LIBRARY - -WIDEN SIDEWALK ADJOINING EAST SIDE PARKING LOT						\$12,380
	LIB06	LIBRARY	PUBLIC PC/LAPTOP REPLACEMENT					\$35,000	

<i>Summary for Library Depreciation Reserve (6 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$1,031,000				\$35,000	\$41,880

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

**PROJECT NUMBER**  
**LIB01**

PROJECT NAME  
PUBLIC ADDRESS SYSTEM

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$31,000					

**DESCRIPTION OF PROJECT**

A public address system is needed for paging and general announcements in the event of a non-fire related emergency. The emergency fire announcement system currently used to broadcast announcements was never designed to be used for any other purpose than a fire emergency and does not provide adequate control for zonal broadcasting. Events have occurred at the Library during the past year which required police intervention; having the capability to make emergency announcements to specific rooms would be an added benefit.

**ALTERNATIVES CONSIDERED**

Do nothing and continue to use the emergency fire system to make announcements.

**ADVANTAGES OF APPROVAL**

A system designed specifically for the purpose of public address allowing general announcements which are made on a daily basis such as closing of the Library, the start of events, and dog issues would improve the communication to public patrons at the library.

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

**FUNDING SOURCES**

100% General Fund.

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

**PROJECT NUMBER**  
**LIB02**

PROJECT NAME  
FILM & FICHE SCANNER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$15,500

**DESCRIPTION OF PROJECT**

Purchase of a Digital Film and Fiche scanner, PC, and monitor to allow copying or scanning of microfilm or microfiche from the Library's collection.

**ALTERNATIVES CONSIDERED**

Continue to use current machine which does not offer scanning and is 10 years old. The current maintenance contract is \$1,999 per year.

**ADVANTAGES OF APPROVAL**

The machine would allow microfilm images and text to be scanned and sent electronically. It has the ability to improve images and text to be printed or scanned and make colored copies of images. The Flat Media Scanner could also be used with aperture cards, jumbo opaque microcards, or microfiche, film transparencies, glass or film negative, color slides, papers, books, and magazines.

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

Annual Operating and Maintenance Costs: \$1,205 per year for service contract; would offset maintenance costs on older machine, saving approx \$794/yr.

**FUNDING SOURCES**

General Fund

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

**PROJECT NUMBER**  
**LIB03**

PROJECT NAME  
SELF CHECK STATION

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$14,000

DESCRIPTION OF PROJECT

Purchase of a Self Check station to allow patrons self service in checking out and renewing items as well as paying for late fees.

#### ALTERNATIVES CONSIDERED

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

#### ADVANTAGES OF APPROVAL

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

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

Annual Operating and Maintenance Costs:  
Estimated Maintenance Cost \$2,200

#### FUNDING SOURCES

General Fund

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

<b>PROJECT NUMBER</b>
<b>LIB04</b>

PROJECT NAME
ROOF REPAIRS

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$1,000,000					

DESCRIPTION OF PROJECT
------------------------

The Library Roof is in need of repairs for both hail damage and construction/design issues. The City's Insurer has provided details related to the roof repairs that are covered under our Property Insurance, for hail damage that occurred in 2010. Due to roof performance issues that have existed since the building's construction, the original building architect has put together revised roofing components in conjunction with the roofing contractor and the roofing suppliers and manufacturers. It is best to repair the hail damage and fix any construction/design issues at the same time.

#### ALTERNATIVES CONSIDERED

We have worked with the architect and construction manager on roof performance issues since the building opened. Some progress was made in alleviating condensation and leaking, but the problems have not been fixed entirely. With the hail damage of 2010, we could potentially try to repair the existing roof, without addressing the construction/design issues. However, we are very concerned about maintaining warranty provisions on both the original design and construction, and on the hail damage repairs.

#### ADVANTAGES OF APPROVAL

Approving this project will remedy both the hail damage, and the longer-standing design/construction issues associated with the roof.

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

None.

#### FUNDING SOURCES

\$500,000 Hail Damage Insurance Proceeds, \$500,000 Contribution.

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
FAC. MTC.

<b>PROJECT NUMBER</b>
<b>LIB05</b>

<b>PROJECT NAME</b>						
LIBRARY - -WIDEN SIDEWALK ADJOINING EAST SIDE PARKING LOT						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$12,380

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

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

#### ALTERNATIVES CONSIDERED

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

#### ADVANTAGES OF APPROVAL

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

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

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

#### FUNDING SOURCES

100% General Fund

CIP Project Fund  
Library Depreciation Reserve

DEPARTMENT  
LIBRARY

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

<b>PROJECT NAME</b>						
Public PC/Laptop replacement						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
				\$35,000	

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

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**

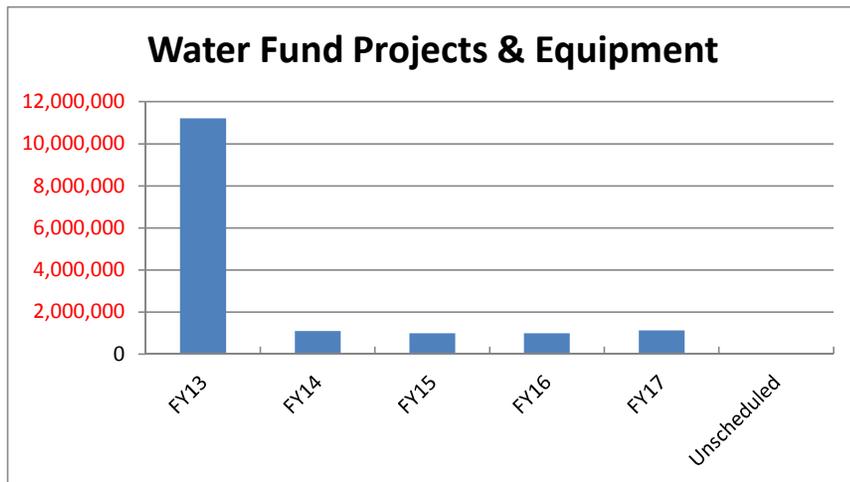
Library Depreciation Fund

**Water Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 3,375,761	\$ 2,619,648	\$ 78,216	\$ 2,221,258	\$ 3,059,033	\$ 3,966,902	\$ -
Plus: Water Revenues Dedicated to CIP	\$ 1,593,103	\$ 1,664,792	\$ 1,739,708	\$ 1,817,995	\$ 1,899,804	\$ 1,975,797	\$ -
Plus: WTP Loan Proceeds	\$ 8,000,000	\$ 7,000,000	\$ 1,500,000	\$ -			
Less: Scheduled CIP Project Costs	\$ (10,349,216)	\$ (11,206,224)	\$ (1,096,665)	\$ (980,220)	\$ (991,935)	\$ (1,119,645)	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 2,619,648</b>	<b>\$ 78,216</b>	<b>\$ 2,221,258</b>	<b>\$ 3,059,033</b>	<b>\$ 3,966,902</b>	<b>\$ 4,823,054</b>	<b>\$ -</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Water Revenues	\$ 6,098,000	\$ 6,372,410	\$ 6,659,168	\$ 6,958,831	\$ 7,271,978	\$ 7,599,217
Estimated Annual Increase	4.5%	4.5%	4.5%	4.5%	4.5%	4%
Total Estimated Revenues	\$ 6,372,410	\$ 6,659,168	\$ 6,958,831	\$ 7,271,978	\$ 7,599,217	\$ 7,903,186
Current Revenues Dedicated to CIP %	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Total Estimated Revenues Dedicated to CIP	\$ 1,593,103	\$ 1,664,792	\$ 1,739,708	\$ 1,817,995	\$ 1,899,804	\$ 1,975,797



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Water Fund									
	PW01	WATER OPS	SHOPS FACILITY EXPANSION PLAN			\$10,000			
	W03	WATER OPS	ENGINEERING/DESIGN for ANNUAL WATER PIPE REPLACEMENT PROGRAM		\$22,500	\$22,500	\$22,500	\$22,500	
	W04-13	WATER OPS	WATER PIPE REPLACEMENT PROGRAM	\$1,205,720					
	W04-14	WATER OPS	WATER PIPE REPLACEMENT PROGRAM		\$974,165				
	W04-15	WATER OPS	WATER PIPE REPLACEMENT PROGRAM			\$947,720			
	W04-16	WATER OPS	WATER PIPE REPLACEMENT PROGRAM				\$969,435		
	W04-17	WATER OPS	WATER PIPE REPLACEMENT PROGRAM					\$1,097,145	
	W12	WATER OPS	1 TON TRUCK WITH HOIST	\$46,794					
	W17	WATER OPS	1/2 TON TRUCK	\$37,856					
	W24	WATER OPS	Fixed Base Meter Read System	\$90,000	\$60,000				
	WW23	WATER OPS	MINI EXCAVATOR & TRAILER	\$25,000					
	W07	WATER PLANT	WATER TREATMENT PLANT 22MG MEMBRANE PLANT	\$9,800,854					
	W25	WATER PLANT	Replacement Vehicle		\$40,000				

<i>Summary for Water Fund (13 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$11,206,224	\$1,096,665	\$980,220	\$991,935	\$1,119,645	

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**PW01**

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$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. South 8th Avenue , 2. Koch: Lindley to Bozeman, 3. Lindley: Olive to Koch, 4. S. Bozeman: Olive to Story As annual operations occur, other more-urgent projects may be identified and designed under this project heading.

**ALTERNATIVES CONSIDERED**

**ADVANTAGES OF APPROVAL**

Provides for the design of necessary water system maintenance work.

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

**FUNDING SOURCES**

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W04-13</b>

<b>PROJECT NAME</b>						
WATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$1,205,720					

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

PROJECT AREA: Mendenhall St: N. 8th Ave - N. Broadway Ave. The timing is important so that we can mill and overlay Mendehall with Gas Tax Funds, as soon as possible after the water pipes are replaced.

#### ALTERNATIVES CONSIDERED

#### ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

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

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

#### FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W04-14</b>

<b>PROJECT NAME</b>						
WATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$974,165				

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

PROJECT AREA: N. Montana Ave: E. Lamme St - E. Peach St  
N. Montana Ave: E. Tamarack St - S. 34'  
N. Montana Ave: E. Peach St - E. Tamarack St  
E. Story St: S. Tracy Ave - S. Church Ave  
Dell Place: Alderson Ct - E. Story St. The timing of this project is based on our need to mill-overlay N. Montana Ave.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W04-15**

PROJECT NAME  
WATER PIPE REPLACEMENT PROGRAM

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$947,720			

DESCRIPTION OF PROJECT

PROJECT AREA: S. Grand Ave: W. Garfield St - W. College St  
S. Grand Ave: W College St - W. Main St. The timing of this project is critical to our need to mill-overlay S. Grand Ave.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W04-16</b>

<b>PROJECT NAME</b>						
WATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
			\$969,435		

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

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.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary water system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating & Maintenance Costs: Incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

FUNDING SOURCES

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

<b>PROJECT NUMBER</b>
<b>W04-17</b>

PROJECT NAME						
WATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

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

<b>PROJECT NUMBER</b>
<b>W07</b>

<b>PROJECT NAME</b>
WATER TREATMENT PLANT 22MG MEMBRANE PLANT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$9,800,854					

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

This new Membrane Filter Treatment Plant is the preferred water treatment alternative identified in the adopted Water Facility Plan. It is recommended to be built with an initial configuration providing 22MGD of water treatment capacity, with future expansion capability to 36MGD. This addresses both the 10- and 20- year capacity requirement forecast for the City's water treatment system. It is expected to be online by October 2013.

The current 15MGD WTP equipment is nearing the end of its useful life; the plant's direct filtration treatment process, while effective most of the year, becomes only marginally effective during spring runoff or flash thunderstorms in the watershed, dropping plant efficiency as low as 70%; and, rapid population growth and expansion of city water services is increasing demand for water. The current plant capacity may be exceeded in as few as five years.

#### ALTERNATIVES CONSIDERED

The Water Facility Plan considered numerous alternatives for water treatment. This was identified as the preferred alternative in the adopted plan.

#### ADVANTAGES OF APPROVAL

Planning for increased water supply to meet growing demands and to replace existing equipment that is at the end of its useful life. The New Plant will be located at the current site in a 49,620 sf building located directly north of the plant. It will include pre-oxidation, coagulation, flocculation, settling, strainers, membrane filtration, dissolved air flotation thickeners, disinfection, PH adjustment for corrosion control, drying beds, lagoon, and ancillary facilities.

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

This plant is not estimated require an addition to existing plant staff. Annual O&M costs = est. \$1,735,901 (including existing staff plus new plant expenses). None of these costs can be paid with Impact Fees.

#### FUNDING SOURCES

The most recent estimate of plant costs was provided in the Fall of 2010, at a total of \$40.7 Million. It is estimated that 33% of total project costs (approx \$13.4 Milion) are related to capacity expansion of the plant, and therefore are eligible for impact fee funding. TOTAL PROJECT: 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.

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W12**

PROJECT NAME  
1 TON TRUCK WITH HOIST

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$46,794					

**DESCRIPTION OF PROJECT**

This request replaces asset # 2914, a 2001 Dodge 1-ton with a 1-ton truck with a hoist. This truck is used daily in both water and sewer operations to transport personnel and equipment, and responds to water and sewer line emergencies. This particular truck has proven to be a very unreliable vehicle; the transmission has been replaced twice. Because of reliability problems and maintenance costs, we are recommending replacing this vehicle sooner than customary. Flex Fuel Vehicles will be purchased.

**ALTERNATIVES CONSIDERED**

Keep the trucks and spend maintenance dollars to have truck serviceable

**ADVANTAGES OF APPROVAL**

Advantages to the City for approving this request include savings on fuel. The new vehicles will improve safety of crews, there would be lower repair costs and it would help maintain current operations levels.

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

**FUNDING SOURCES**

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W17**

PROJECT NAME  
1/2 TON TRUCK

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$37,856					

**DESCRIPTION OF PROJECT**

This vehicle replaces current asset #2647, a 1998 Chevy 4x4. It will be replaced once it approaches 100,000 miles, estimated to be FY13. This truck is used in our water valve operation program and is used in various light duty jobs.

**ALTERNATIVES CONSIDERED**

Continue to use older vehicle which is becoming unreliable and costly to maintain.

**ADVANTAGES OF APPROVAL**

Increased reliability and safety for staff and water operations.

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

Operating and repair costs are expected to be lower than the existing vehicle.

**FUNDING SOURCES**

100% Water Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

**PROJECT NUMBER**  
**W24**

PROJECT NAME  
Fixed Base Meter Read System

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$90,000	\$60,000				

**DESCRIPTION OF PROJECT**

This system will consist of fixed radio reMivers that are placed on city structures throughout town. The meters that are currently in place constantly transmit meter read data, instead of driving once a month around the city collecting reads, the receivers will automatically collect the data daily and transmit that either through the intranet or cell phone modems to finance and the city shops. We plan on deploying the receivers starting in FY 13, with completion in FY14. Radio studies have the number of receivers at 14 but our vendor states with a new model of receiver coming out next year that number should go below 10.

**ALTERNATIVES CONSIDERED**

**ADVANTAGES OF APPROVAL**

Allows daily readings of the water meters and will allow staff to quickly respond to potential water leaks, meter tampering and backflow events. Will eliminate driving in the areas that are being read by the fixed base units. This will allow us to contact customers at the start of a leak event and save both money and water.

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

**FUNDING SOURCES**

100% Water Utility Fund

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER PLANT

<b>PROJECT NUMBER</b>
<b>W25</b>

<b>PROJECT NAME</b>						
Replacement Vehicle						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$40,000				

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

Replacement 4-wheel Drive 1/2 Ton pick-up, replaces 1997 3/4 ton pick-up that currently has 97,400 miles

**ALTERNATIVES CONSIDERED**

Keep existing unit in service

**ADVANTAGES OF APPROVAL**

More reliable, more fuel efficient vehicle

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

none

**FUNDING SOURCES**

Water Rates

CIP Project Fund  
Water Fund

DEPARTMENT  
WATER OPS

PROJECT NUMBER  
WW23

PROJECT NAME  
MINI EXCAVATOR & TRAILER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$25,000					

DESCRIPTION OF PROJECT

This piece of equipment due to it's small size, is very useful in excavating where the backhoe cannot fit or due to it's weight will damage sidewalks and lawns. This purchase of equipment and trailer will also be shared with the Streets Department.

ALTERNATIVES CONSIDERED

Continue to rent this piece of equipment

ADVANTAGES OF APPROVAL

Give's both the Water and Street Departments a piece of equipment that can work in small spaces

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Operating and repair costs are expected to be lower than a normal size backhoe

FUNDING SOURCES

Total Cost \$75,000, split 3-ways between Water Fund, Wastewater Fund, and Street Maintenance Fund (\$25,000 each.)

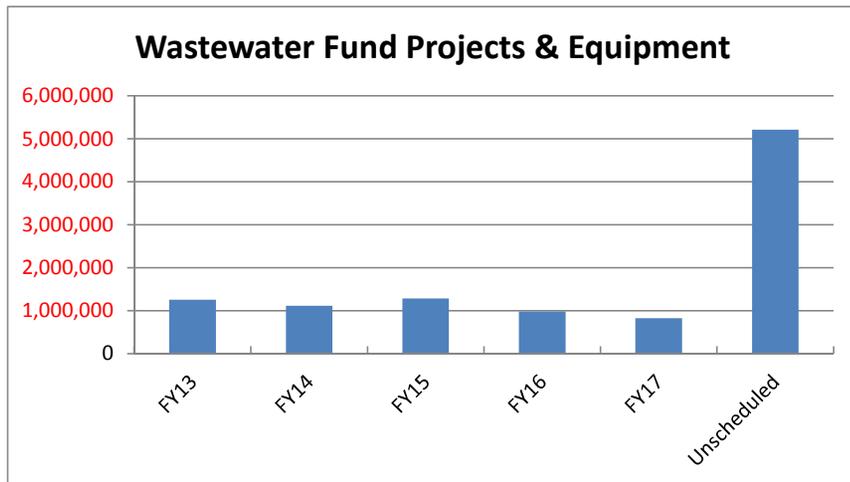


**Wastewater Fund  
Capital Improvement Plan**

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 2,490,000	\$ 1,836,580	\$ 1,899,722	\$ 2,182,751	\$ 2,379,612	\$ 2,971,474	\$ -
Plus: Wastewater Revenues Dedicated to CIP	\$ 1,241,260	\$ 1,315,736	\$ 1,394,680	\$ 1,478,361	\$ 1,567,062	\$ 1,629,745	\$ -
Less: Scheduled CIP Project Costs	\$ (1,894,680)	\$ (1,252,594)	\$ (1,111,650)	\$ (1,281,500)	\$ (975,200)	\$ (825,700)	\$ (5,215,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 1,836,580</b>	<b>\$ 1,899,722</b>	<b>\$ 2,182,751</b>	<b>\$ 2,379,612</b>	<b>\$ 2,971,474</b>	<b>\$ 3,775,519</b>	<b>\$ (5,215,000)</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Wastewater Revenues	\$ 5,855,000	\$ 6,206,300	\$ 6,578,678	\$ 6,973,399	\$ 7,391,803	\$ 7,835,311
Estimated Annual Increase	6.0%	6%	6%	6%	6%	4%
Total Estimated Revenues	\$ 6,206,300	\$ 6,578,678	\$ 6,973,399	\$ 7,391,803	\$ 7,835,311	\$ 8,148,723
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	\$ 1,241,260	\$ 1,315,736	\$ 1,394,680	\$ 1,478,361	\$ 1,567,062	\$ 1,629,745



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Wastewater Fund									
	WW28	WRF PLANT	DESIGN PHASE II - WRF PLANT IMPROVEMENTS						\$2,615,000
	WW29	WRF PLANT	ENERGY RECOVERY (METHANE CO-GENERATION) PROJECT						\$2,600,000
	WW30	WRF PLANT	REPLACE DIGESTER MIXERS	\$41,000	\$41,000				
	PW01	WW OPS	SHOPS FACILITY EXPANSION PLAN			\$10,000			
	WW02	WW OPS	1 TON TRUCK WITH HOIST		\$45,000				
	WW03	WW OPS	1/2 TON FLEX FUEL TRUCK	\$25,000					
	WW07	WW OPS	ENGINEERING/DESIGN for ANNUAL WASTEWATER PIPE REPLACEMENTS	\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	
	WW08-13	WW OPS	WASTEWATER SYSTEM UPGRADES ANNUAL	\$886,000					
	WW08-14	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM		\$1,003,150				
	WW08-15	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM			\$914,000			
	WW08-16	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM				\$952,700		
	WW08-17	WW OPS	WASTEWATER PIPE REPLACEMENT PROGRAM					\$803,200	
	WW21	WW OPS	FLUSHER TRUCK	\$253,094					
	WW23	WW OPS	MINI EXCAVATOR & TRAILER	\$25,000					
	WW26	WW OPS	FLUSHER VAC TRUCK REPLACEMENT			\$335,000			

<i>Summary for Wastewater Fund (15 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$1,252,594	\$1,111,650	\$1,281,500	\$975,200	\$825,700	\$5,215,000

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**PW01**

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

<b>PROJECT NUMBER</b>
<b>WW02</b>

<b>PROJECT NAME</b>						
1 TON TRUCK WITH HOIST						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$45,000				

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

FY12: Replaces a 2000 1-ton truck with a hoist. At the time of replacement, this truck will be 11 years old. Replaces a 2004 Ford F250, asset #3232. At the time of replacement, this truck will be over 10 years old. While this vehicle is only 10 years old, its not big enough to properly function as a service truck; very limited carrying capacity. It will be passed down to another department for continued use within the city. These trucks are used daily in both water and sewer operations to transport personnel and equipment. The existing truck will not be traded in; it will be utilized as a back-up vehicle when needed.

**ALTERNATIVES CONSIDERED**

Keep the truck and spend maintenance dollars to have truck serviceable.

**ADVANTAGES OF APPROVAL**

Advantages to the City for approving this request include savings on fuel and emissions. The new vehicles will improve safety of crews, there would be lower repair costs and it would help maintain current operations levels.

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

**FUNDING SOURCES**

100% Wastewater Utility Revenue

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

**PROJECT NUMBER**  
**WW03**

PROJECT NAME  
1/2 TON FLEX FUEL TRUCK

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$25,000					

**DESCRIPTION OF PROJECT**

This is to replace asset # 2916 which is a 2001 Dodge Dakota 1/2 ton pickup. At the time replaced, this vehicle will be 12 years old and have approx 100,000 miles. This truck is used to transport operations crews performing one call locates. Crews respond to over 5,000 calls a year for locate requests. The existing vehicle will be traded in, to reduce the total purchase price.

**ALTERNATIVES CONSIDERED**

Continue to use older vehicle which is extremely small for the average water department employee.

**ADVANTAGES OF APPROVAL**

Advantages to the City for approving this request include continued reliability in water operations. Repair and maintenance costs will be minimized with replacement

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

**FUNDING SOURCES**

100% Wastewater Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW07</b>

<b>PROJECT NAME</b>						
ENGINEERING/DESIGN for ANNUAL WASTEWATER PIPE REPLACEMENTS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$22,500	\$22,500	\$22,500	\$22,500	\$22,500	

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

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**  
**WW08-13**

PROJECT NAME  
WASTEWATER SYSTEM UPGRADES ANNUAL

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$886,000					

DESCRIPTION OF PROJECT

PROJECT AREA: W. Main St: N. 7th Ave - N. Grand Ave  
W. Main St: N. Grand Ave - N. Tracy Ave, E. Main St: N. Tracy Ave - N. Black Ave  
E. Main St: N. Black Ave - N. Church Ave, E Mendenhall St: N. 7th Ave - N. Grand Ave  
W. Lamme St: N. 7th Ave - Mid block East, W. Lamme St: N. 5th Ave - N. Grand Ave  
W. Beall St: N. 5th Ave - N. 3rd Ave, N. 3rd Ave: W. Beall St - W. Villard St  
N. 3rd Ave: W. Villard St - W. Peach St, N. 4th Ave: W. Villard St - W. Short St  
N. 5th Ave: W. Beall St - W. Peach St, N. 6th Ave: W. Villard St - N. 5th Ave  
N. 7th Ave: W. Villard St - W. Peach St, W. Peach St: N. 7th Ave - N. Grand Ave

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-14</b>

PROJECT NAME
WASTEWATER PIPE REPLACEMENT PROGRAM

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$1,003,150				

DESCRIPTION OF PROJECT
------------------------

PROJECT AREA: N. Grand Ave: W. Mendenhall St - W. Main St  
S. Grand Ave: W. Main St - W. Babcock St  
S. Grand Ave: W. Babcock St - S. End of Line  
N. Willson Ave: W. Mendenhall St - W. Main St  
N. Willson Ave: W. Main St - W. Hayes St  
S. Tracy Ave: W. Main St - W. Garfield St

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-15</b>

<b>PROJECT NAME</b>						
WASTEWATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$914,000			

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

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

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-16</b>

<b>PROJECT NAME</b>						
WASTEWATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
			\$952,700		

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

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

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Provides for the construction of necessary sewer system maintenance work.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Wastewater Utility Fund

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW08-17</b>

<b>PROJECT NAME</b>						
WASTEWATER PIPE REPLACEMENT PROGRAM						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
				\$803,200	

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

PROJECT AREA: Alley N of Story: S 5th Ave - E. End  
Alley N of Dickerson: S 5th Ave - E. End, Alley N of Alderson: S 5th Ave - E. End  
W. College St: S 5th Ave - E. End, W. College St: S 4th Ave - S. 3rd Ave  
Alley N. of Harrison: S. 5th Ave - S. 4th Ave, Alley N. of Cleveland: S. 5th Ave - S. 4th Ave  
S. 6th Ave: W. Babcock 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

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  
WW21

PROJECT NAME  
FLUSHER TRUCK

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$253,094					

DESCRIPTION OF PROJECT

This vehicle replaces current asset #3031, a 2002 Freightliner with over 20,845 miles and 7,653 hours on it. According to the manufacturer's engineers the fact that the engine is running at 2,400 rpm to run the water pump each engine hour equals 50 to 70 miles. Based on that data the truck's engine has between 382,650 to 535,710 miles on it. This truck is used to flush over 200 miles of sewer main every year and is a critical piece of machinery for the sewer department that is used almost every working day of the year. This unit will have a TV camera which will allow us to see objects/defects that cause the flusher to stop. This camera has become an industry standard piece of equipment.

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. Camera will eliminate need for follow up TV inspection by the TV van.

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  
WW OPS

**PROJECT NUMBER**  
**WW23**

PROJECT NAME  
MINI EXCAVATOR & TRAILER

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$25,000					

**DESCRIPTION OF PROJECT**

This piece of equipment due to it's small size, is very useful in excavating where the backhoe cannot fit or due to it's weight will damage sidewalks and lawns. This purchase of equipment and trailer will also be shared with the Streets Department.

**ALTERNATIVES CONSIDERED**

Continue to rent this piece of equipment.

**ADVANTAGES OF APPROVAL**

Continue to rent this piece of equipment.

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

Continue to rent this piece of equipment.

**FUNDING SOURCES**

Total Cost \$75,000, split 3-ways between Water Fund, Wastewater Fund, and Street Maintenance Fund (\$25,000 each.)

CIP Project Fund  
Wastewater Fund

DEPARTMENT  
WW OPS

<b>PROJECT NUMBER</b>
<b>WW26</b>

<b>PROJECT NAME</b>						
FLUSHER VAC TRUCK REPLACEMENT						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$335,000			

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

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

<b>PROJECT NUMBER</b>
<b>WW28</b>

<b>PROJECT NAME</b>						
DESIGN PHASE II - WRF PLANT IMPROVEMENTS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$2,615,000

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

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 deep bed filtration, liquid sludge storage tanks, anaerobic digestion, and effluent re-use pumping station. The capacity expanding (impact fee eligible) elements are: reactor 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 that half of the 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

<b>PROJECT NUMBER</b>
<b>WW29</b>

<b>PROJECT NAME</b>						
ENERGY RECOVERY (METHANE CO-GENERATION) PROJECT						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$2,600,000

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

Utilization of smart energy technology that will recycle an average of 175 kW of electricity and 974,000 BTU/hour of thermal output using a generator powered by Water Reclamation Facility digester gas.

#### ALTERNATIVES CONSIDERED

Continue to flare the digester methane gas. Micro-turbines and fuel-cells have been analysed and continue to be possible alternative energy recovery technologies for this project.

#### 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

<b>PROJECT NUMBER</b>
<b>WW30</b>

<b>PROJECT NAME</b>						
REPLACE DIGESTER MIXERS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$41,000	\$41,000				

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

The Bozeman WRF needs to replace two defective/failing digester mixers. This equipment is essential to the operation of the existing anaerobic digesters. These digesters contain a total of 4 draft tube mixers, two of which have already been replaced. Our plan would be to purchase one replacement mixer in FY13 and the final one in FY14. The new EIMCO draft tube mixers will replace the defective OTI micers we are currently using. Our original OTI mixers have been plagued with multiple bearing failures, seal failures, oil lubrication system failures and almost constant propeller fouling. There are currently only two mixer manufactureers in the world that manufacture this type of draft tube mixer. Therefore, in order to replace these defective OTI mixers, we must order our replacement mixers from a sole source vendor. This vendor is EIMCO Technologies, in Salt Lake City. They are the only manufacturer capable of fabricating a replacement mixer which will mount directly to our existing digester draft tubes. EIMCO model #RDT-V 7.5 Hp mixer assembly. Installed project cost for each: \$41,000.

#### ALTERNATIVES CONSIDERED

Continue to remove, disassemble and rebuild our defective mixers annually. This is not cost-effective and is not a sustainable option. The annual cost to rebuild one unit is approximately \$15,000 plus extensive staff time.

#### ADVANTAGES OF APPROVAL

Replacement of these to remaining digester mixers will assure continuous operation of these essential plant components. The plant cannot run without functioning anaerobic digesters.

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

Annual Operating & Maintenance Costs: 7.5 Hp each, ongoing power costs.

#### FUNDING SOURCES

100% Wastewater Fund

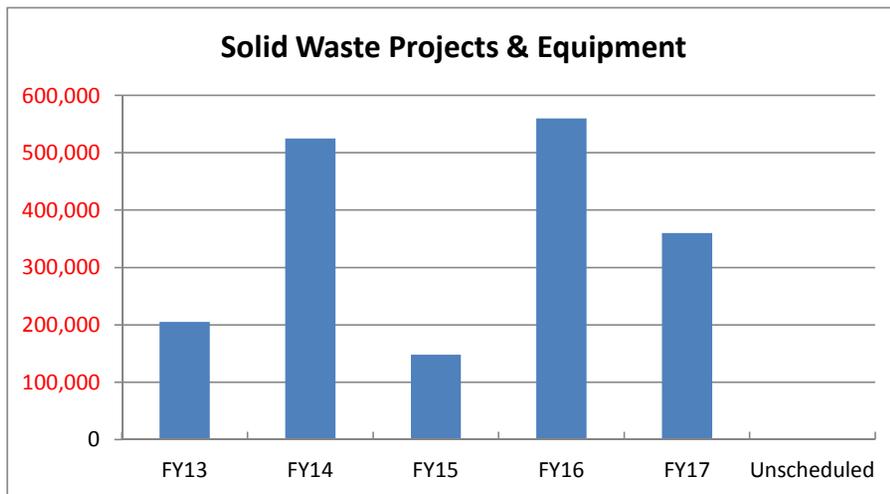


## Solid Waste Collection & Recycling Capital Improvement Plan

Financial Summary	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Projected Beginning Reserve Balance Dedicated to CIP	\$ 238,000	\$ 487,681	\$ 532,378	\$ 282,027	\$ 436,598	\$ 207,708
Plus: Revenues Dedicated to CIP	\$ 249,681	\$ 249,681	\$ 274,649	\$ 302,613	\$ 331,110	\$ 360,145
Less: Scheduled CIP Project Costs	\$ -	\$ (204,984)	\$ (525,000)	\$ (148,043)	\$ (560,000)	\$ (360,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 487,681</b>	<b>\$ 532,378</b>	<b>\$ 282,027</b>	<b>\$ 436,598</b>	<b>\$ 207,708</b>	<b>\$ 207,853</b>

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Revenues	\$ 2,496,811	\$ 2,496,811	\$ 2,496,811	\$ 2,496,811	\$ 2,521,779	\$ 2,546,997
Estimated Annual Increase in Revenues	-	0%	0%	1%	1%	1%
Total Estimated Revenues	\$ 2,496,811	\$ 2,496,811	\$ 2,496,811	\$ 2,521,779	\$ 2,546,997	\$ 2,572,467
Current Revenues Dedicated to CIP %	10.0%	10.0%	10.0%	11.0%	12.0%	13.0%
Plus: Increase Dedicated to CIP	0.0%	0.0%	1.0%	1.0%	1.0%	1.0%
Total % Dedicated to CIP	10.0%	10.0%	11.0%	12.0%	13.0%	14.0%
Total Estimated Revenues Dedicated to CIP	\$ 249,681	\$ 249,681	\$ 274,649	\$ 302,613	\$ 331,110	\$ 360,145



CIP PROJECT FUND	PROJ.	DEPARTMEN	PROJECT NAME	FY13	FY14	FY15	FY16	FY17	Unscheduled
Solid Waste Collection									
	PW01	COLLECTION	SHOPS FACILITY EXPANSION PLAN			\$10,000			
	SW26	COLLECTION	SIDE LOAD PACKER - REPLACEMENT	\$134,984					
	SW27	COLLECTION	FRONT LOAD TRUCK - REPLACEMENT TRUCK		\$250,000				
	SW28	COLLECTION	SIDE LOAD TRUCK - REPLACEMENT TRUCK		\$275,000				
	SW30	COLLECTION	SIDE LOAD PACKER - REPLACEMENT			\$138,043			
	SW31	COLLECTION	SIDE LOAD REPLACEMENT TRUCK				\$290,000		
	SW32	COLLECTION	FRONTLOAD REPLACEMENT TRUCK				\$270,000		
	SW33	COLLECTION	SIDE LOAD PACKER - REPLACEMENT`					\$140,000	
	SW34	CURBSIDE	Back-Up Recycling Truck	\$70,000					
	SW35	CURBSIDE	Curbside Recycling Truck - Replacement					\$220,000	

<i>Summary for Solid Waste Collection (10 items)</i>				<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
<i>Totals by year:</i>				\$204,984	\$525,000	\$148,043	\$560,000	\$360,000	

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**PW01**

PROJECT NAME  
SHOPS FACILITY EXPANSION PLAN

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$10,000			

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

**ADVANTAGES OF APPROVAL**

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

**FUNDING SOURCES**

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

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

PROJECT NUMBER  
SW26

PROJECT NAME  
SIDE LOAD PACKER - REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$134,984					

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: \$10,000

FUNDING SOURCES

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**SW27**

PROJECT NAME  
FRONT LOAD TRUCK - REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$250,000				

DESCRIPTION OF PROJECT

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

#### ALTERNATIVES CONSIDERED

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

#### ADVANTAGES OF APPROVAL

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

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

Annual Operating and Maintenance Costs: \$12,000

#### FUNDING SOURCES

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

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

PROJECT NAME						
SIDE LOAD TRUCK - REPLACEMENT TRUCK						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$275,000				

DESCRIPTION OF PROJECT
------------------------

Replacement of a side load chassis. Asset #3314. The current truck will have 12,000 - 14,000 hours on the chassis and 5,000 hours on the packer body.

#### ALTERNATIVES CONSIDERED

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

#### ADVANTAGES OF APPROVAL

Providing excellence in public service to 7,050 residential customers

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

Annual Operating and Maintenance Costs: \$30,000

#### FUNDING SOURCES

100% Solid Waste Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

PROJECT NUMBER  
SW30

PROJECT NAME  
SIDE LOAD PACKER - REPLACEMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
		\$138,043			

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: \$10,000

FUNDING SOURCES

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
COLLECTION

**PROJECT NUMBER**  
**SW31**

PROJECT NAME  
SIDE LOAD REPLACEMENT TRUCK

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

FY13	FY14	FY15	FY16	FY17	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

FY13	FY14	FY15	FY16	FY17	Unscheduled
				\$140,000	

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: \$10,000

FUNDING SOURCES

100% Solid Waste Division Enterprise Funds.

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
CURBSIDE

<b>PROJECT NUMBER</b>
<b>SW34</b>

<b>PROJECT NAME</b>						
Back-Up Recycling Truck						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$70,000					

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

Purchase of a used recycling truck for back-up duties. Currently, we have one Curbside Recycling Truck. When it breaks down, it is extremely difficult to serve customers. This equipment would help ensure that curbside recycling collection can still happen when the truck is out-of-service.

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Continuity of operations when the primary equipment fails.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Solid Waste Enterprise Fund

CIP Project Fund  
Solid Waste Collection

DEPARTMENT  
CURBSIDE

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

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
				\$220,000	

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

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

**ALTERNATIVES CONSIDERED**

Lease

**ADVANTAGES OF APPROVAL**

To maintain a level of service to the curbside recycling customers

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

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

**FUNDING SOURCES**

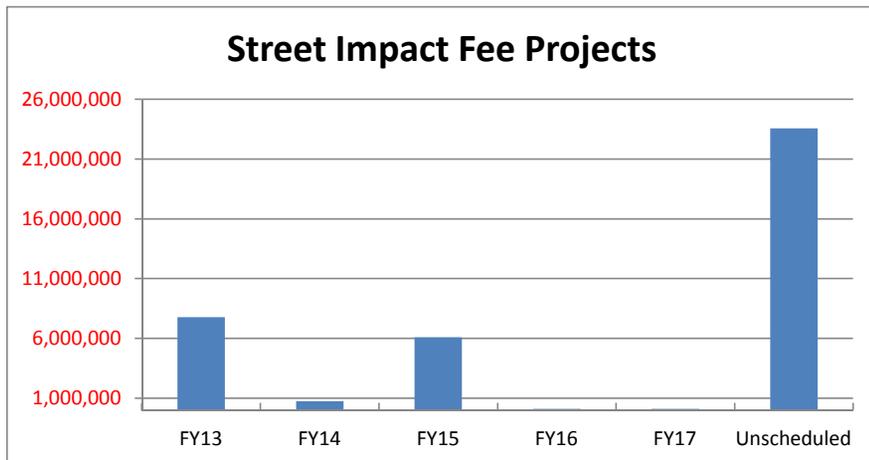
Solid Waste Enterprise Fund

## Street Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected					Unscheduled
	FY12	FY13	FY14	FY15	FY16	FY17	
Projected Beginning Reserve Balance Dedicated to CIP	\$ 7,330,000	\$ 6,523,020	\$ 2,446,590	\$ 2,677,801	\$ (286,564)	\$ 363,783	
Plus: Impact Fee Revenues Dedicated to CIP	\$ 707,000	\$ 714,070	\$ 721,211	\$ 735,635	\$ 750,348	\$ 765,355	\$ -
Less: Impact Fee Credits - Mitchell Appeal	\$ (384,580)						
Plus: Urban Funds: SIF06, College (Main to 19th)	\$ 100,000	\$ 2,993,650					
Plus: Urban Funds: SIF09, Kagy (Willson to 19th)			\$ 260,000	\$ 2,400,000			
Less: Scheduled CIP Project Costs	\$ (1,229,400)	\$ (7,784,150)	\$ (750,000)	\$ (6,100,000)	\$ (100,000)	\$ (100,000)	\$ (23,575,000)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 6,523,020</b>	<b>\$ 2,446,590</b>	<b>\$ 2,677,801</b>	<b>\$ (286,564)</b>	<b>\$ 363,783</b>	<b>\$ 1,029,138</b>	<b>\$ (23,575,000)</b>

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Street Impact Fee Revenues	\$ 707,000	\$ 707,000	\$ 714,070	\$ 721,211	\$ 735,635	\$ 750,348
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 707,000	\$ 714,070	\$ 721,211	\$ 735,635	\$ 750,348	\$ 765,355
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	\$ 707,000	\$ 714,070	\$ 721,211	\$ 735,635	\$ 750,348	\$ 765,355



PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
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CIP PROJECT FUND: Impact Fees Streets Sorted by Funding Year and Rating

SIF01	STREET IF	RIGHT OF WAY ACQUISITION	25	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
SIF06	STREET IF	COLLEGE STREET (MAIN ST. TO NORTH 19TH AVE.)	30	\$7,484,150					
SIF28	STREET IF	NORTH 27TH STREET, OAK STREET TO TSCHACHE STREET	30	\$200,000					
SIF09	STREET IF	KAGY BOULEVARD, WILLSON AVENUE TO 19TH AVENUE	32		\$650,000	\$6,000,000			
SIF08	STREET IF	DURSTON ROAD, FOWLER AVE. TO FERGUSON AVE.	30						\$1,500,000
SIF20	STREET IF	INTERSECTION CONTROL 7TH AVE. & KAGY BLVD.	30						\$650,000
SIF21	STREET IF	GRAF STREET CONNECTION	30						\$1,000,000
SIF23	STREET IF	HIGHLAND BOULEVARD, MAIN ST. TO KAGY BLVD.	30						\$7,600,000
SIF24	STREET IF	INTERSECTION CONTROL, HIGHLAND BLVD. AND ELLIS ST.	30						\$500,000
SIF25	STREET IF	INTERSECTION CONTROL, HIGHLAND BOULEVARD AND KAGY BOULEVARD	30						\$750,000
SIF26	STREET IF	INTERSECTION CONTROL, CHURCH STREET AND KAGY BOULEVARD	30						\$750,000
SIF27	STREET IF	INTERSECTION CONTROL, COTTONWOOD ROAD & DURSTON AVENUE	30						\$500,000
SIF33	STREET IF	INTERSECTION CONTROL, N. 7TH AVENUE AND GRIFFIN DRIVE	30						\$500,000
SIF02	STREET IF	BAXTER LANE, 19TH TO COTTONWOOD	25						\$3,350,000
SIF32	STREET IF	MANLEY ROAD & GRIFFIN DRIVE INTERSECTION IMPROVEMENTS	25						\$925,000
SIF34	STREET IF	FOWLER CONNECTION	20						\$1,500,000
SIF22	STREET IF	INTERSECTION CONTROL, COLLEGE STREET & 8TH AVENUE	10						\$750,000
SIF05	STREET IF	COLLEGE STREET 8TH AVENUE TO 19TH AVENUE)	7						\$3,300,000

*Summary for Impact Fees Streets (18 items)*

*Totals by year:*

<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
\$7,784,150	\$750,000	\$6,100,000	\$100,000	\$100,000	\$23,575,000

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF01

PROJECT NAME  
RIGHT OF WAY ACQUISITION

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$100,000	\$100,000	\$100,000	\$100,000	\$100,000.00	

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

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 25

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF02**

PROJECT NAME  
Baxter Lane, 19th to Cottonwood

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 25**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF05**

**PROJECT NAME**

College Street 8th Avenue to 19th Avenue)

- New
- Replacement
- Equipment
- Project

FY13

FY14

FY15

FY16

FY17

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

**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

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE:**

**7**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	0
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	2
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF06**

PROJECT NAME  
College Street (Main St. to North 19th Ave.)

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$7,484,150					

**DESCRIPTION OF PROJECT**

Reconstruct West College Street from Main Street (Huffine Lane) to 19th Avenue to a principal 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 2010 according to the Transportation Plan. In the peak AM hour traffic is backed up from 19th to Huffine and beyond. Planned improvements to South 19th and increased development in the Huffine Lane corridor will only further increase traffic demand on this facility. In addition this facility lacks pedestrian and bicycle facilities. This project is currently being designed by MDT.

**ALTERNATIVES CONSIDERED**

Use of Urban funds for full financing, CTEP or TIGER 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

**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 = \$4,490,500.00 40% - State Urban Funds = \$2,993,650.00

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF08**

**PROJECT NAME**  
Durston Road, Fowler Ave. to Ferguson Ave.

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$1,500,000

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

SID for full financing, or incremental construction by developers.

**ADVANTAGES OF APPROVAL**

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

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

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

**FUNDING SOURCES**

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

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF09**

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

**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. 50% - Street Impact Fees = \$3,325,000; 50% - Urban Funds = \$3,325,000

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 32**

- |  |   |    |
|--|---|----|
| <input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING      | BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)   | 20 |
| <input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS   | DIRECT BENEFITS: (Up to 10 pts)               | 5  |
| <input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE | FUNDING CERTAINTY: (Up to 10 pts)             | 7  |
|  | COMMISSION WORK PLAN PRIORITY: (Up to 10 pts) | 0  |

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF20

PROJECT NAME

Intersection Control 7th Ave. & Kagy Blvd.

- New
- Replacement
- Equipment
- Project

FY13

FY14

FY15

FY16

FY17

Unscheduled  
\$650,000

DESCRIPTION OF PROJECT

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

#### ALTERNATIVES CONSIDERED

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

#### ADVANTAGES OF APPROVAL

Improved traffic flow and safety at this intersection.

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

#### FUNDING SOURCES

100% Street Impact Fees

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#### Impact Fee Funds Project and Equipment Scoring

**TOTAL SCORE:**

**30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF21

PROJECT NAME  
Graf Street Connection

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$1,000,000

DESCRIPTION OF PROJECT

This project consists of extending Graf Street approximately 1/4 mile in order to connect the street with South 19th Avenue to allow through traffic to flow east and west to and from 19th Avenue. This is an important connection for public safety purposes – allowing fire and emergency services to meet their response time requirements in areas where they currently cannot.

ALTERNATIVES CONSIDERED

Do nothing and wait for development to connect the street.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% Street Impact Fees.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER
SIF22

PROJECT NAME
Intersection Control, College Street & 8th Avenue

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$750,000

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

Improved traffic flow and safety at this intersection

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

**FUNDING SOURCES**

100% Street Impact Fees

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 10**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF23**

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF24

PROJECT NAME

Intersection Control, Highland Blvd. and Ellis St.

- New
- Replacement
- Equipment
- Project

FY13

FY14

FY15

FY16

FY17

Unscheduled  
\$500,000

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

Increased capacity and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: None

FUNDING SOURCES

100% Street Impact Fees

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

30

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER
SIF25

PROJECT NAME
Intersection Control, Highland Boulevard and Kagy Boulevard

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$750,000

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

Increased capacity and safety at this intersection.

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

Annual Operating and Maintenance Costs: None.

**FUNDING SOURCES**

100% Street Impact Fees

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF26**

**PROJECT NAME**

Intersection Control, Church Street and Kagy Boulevard

- New
- Replacement
- Equipment
- Project

FY13

FY14

FY15

FY16

FY17

Unscheduled  
\$750,000

**DESCRIPTION OF PROJECT**

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

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

Increased capacity and safety at this intersection.

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

Annual Operating and Maintenance Costs: None

**FUNDING SOURCES**

100% Street Impact Fees

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**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE:**

**30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF27

PROJECT NAME

Intersection Control, Cottonwood Road & Durston Avenue

- New
- Replacement
- Equipment
- Project

FY13

FY14

FY15

FY16

FY17

Unscheduled  
\$500,000

DESCRIPTION OF PROJECT

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

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

Increased capacity and safety at this intersection.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: None

FUNDING SOURCES

100% Street Impact Fees

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE:**

**30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER  
SIF28

PROJECT NAME

North 27th Street, Oak Street to Tschache Street

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$200,000					

DESCRIPTION OF PROJECT

This project is the completion of the half-street section of North 27th that currently does not exist, preventing full utilization of an important part of North 27th Street. Estimated length of 0.3 miles, half-street section.

ALTERNATIVES CONSIDERED

Do nothing.

ADVANTAGES OF APPROVAL

Completes an important north-south connection in the northwest part of town.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Street Impact Fees

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE:**

**30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

<b>PROJECT NUMBER</b>
<b>SIF32</b>

<b>PROJECT NAME</b>						
Manley Road & Griffin Drive Intersection Improvements						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$925,000

**DESCRIPTION OF PROJECT**

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

ALTERNATIVES CONSIDERED

ADVANTAGES OF APPROVAL

Facilitates development of property in the immediate area.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

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

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

PROJECT NUMBER
SIF33

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

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled \$500,000
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**DESCRIPTION OF PROJECT**

Control of the intersection of 7th Avenue and Griffin Drive. Includes the installation of a traffic signal or roundabout. Future development and the resulting increased traffic indicate that intersection improvements will be needed.

**ALTERNATIVES CONSIDERED**

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

**ADVANTAGES OF APPROVAL**

Improved traffic flow and safety at this intersection.

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

**FUNDING SOURCES**

Street Impact Fees, North 7th Tax Increment District, Urban Funds, or Developer Contribution could all assist in funding this improvement.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 30**

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

CIP Project Fund  
Impact Fees Streets

DEPARTMENT  
STREET IF

**PROJECT NUMBER**  
**SIF34**

PROJECT NAME  
FOWLER CONNECTION

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

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

Routine O & M will be required once constructed.

**FUNDING SOURCES**

Impact Fees, Special Improvement District, developer contribution.

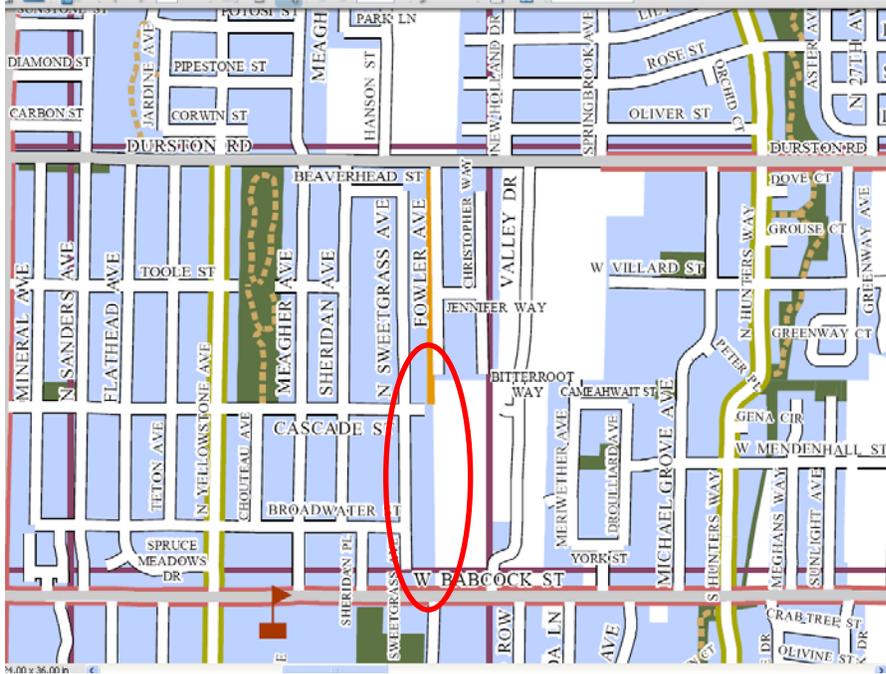
**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 20**

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

FOWLER CONNECTION – SIF34

Excerpt from City of Bozeman Street Map



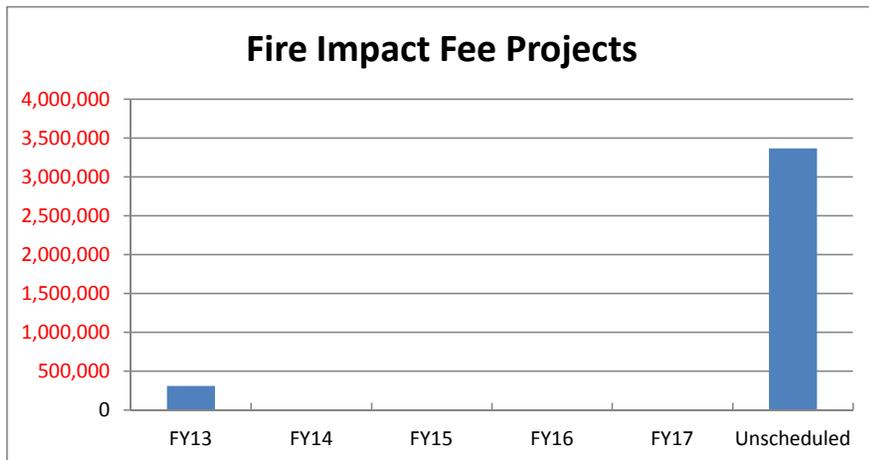


**Fire Impact Fee  
Capital Improvement Plan**

Financial Summary	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Projected Beginning Reserve Balance Dedicated to CIP	\$ 155,000	\$ 156,850	\$ 33,700	\$ 222,419	\$ 414,911	\$ 611,254
Plus: Impact Fee Revenues Dedicated to CIP	\$ 186,850	\$ 186,850	\$ 188,719	\$ 192,493	\$ 196,343	\$ 200,270
Less: Scheduled CIP Project Costs	\$ (185,000)	\$ (310,000)	\$ -	\$ -	\$ -	\$ -
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 156,850</b>	<b>\$ 33,700</b>	<b>\$ 222,419</b>	<b>\$ 414,911</b>	<b>\$ 611,254</b>	<b>\$ 811,524</b>

*Assumptions Made for Revenue Estimates:*

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Fire Impact Fee Revenues	\$ 185,000	\$ 185,000	\$ 186,850	\$ 188,719	\$ 192,493	\$ 196,343
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 185,000	\$ 186,850	\$ 188,719	\$ 192,493	\$ 196,343	\$ 200,270
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	\$ 185,000	\$ 186,850	\$ 188,719	\$ 192,493	\$ 196,343	\$ 200,270



PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
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CIP PROJECT FUND: Impact Fees Fire

FIF08	FIRE IF	FIRE STATION #3, DEBT RETIREMENT	50	\$310,000					
FIF06	FIRE IF	FIRE STATION #4	30						\$2,771,336
FIF07	FIRE IF	FIRE ENGINE, STATION #4	30						\$598,363

*Summary for Impact Fees Fire (3 items)*

*Totals by year:*

	<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
	\$310,000					\$3,369,699

CIP Project Fund

DEPARTMENT

PROJECT NUMBER

Impact Fees Fire

FIRE IF

FIF06

PROJECT NAME

New

FIRE STATION #4

Replacement

FY13

FY14

FY15

FY16

FY17

Unscheduled

Equipment

\$2,771,336

Project

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

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 existing community as well as the portions which are on Rouse street, a heavily traveled way with a stop light, which occasionally limits our drivers to unsafe access to Rouse or Mendenhall.

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

100% Fire Impact Fees

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	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

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$598,363

DESCRIPTION OF PROJECT

This project is the purchase of an engine and accompanying equipment for use out of new Fire Station 4.

It will be necessary to have this engine at the Station when it opens. There is an estimated 12 month lead time in delivery of this type of equipment.

This engine will be needed for Station #4, which will be required as our community grows in its South West Quadrant. We will need to watch annexations and subdivisions within the area and schedule this project accordingly.

ALTERNATIVES CONSIDERED

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

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

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

FUNDING SOURCES

100% Fire Impact Fees

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 30

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	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

DEPARTMENT

PROJECT NUMBER

Impact Fees Fire

FIRE IF

FIF08

PROJECT NAME

FIRE STATION #3, DEBT RETIREMENT

New

Replacement

Equipment

Project

FY13

FY14

FY15

FY16

FY17

Unscheduled

\$310,000

DESCRIPTION OF PROJECT

At the time of construction of Fire Station #3, there was not enough cash in the Fire Impact Fee fund to pay all the eligible costs. As a result, the City's general borrowing authority was used to borrow \$890,000 to finish the project. Since February 2010, debt payments have been made, according to the terms of the loan. We have also been making extra principal payments when Fire Impact Fee collections are higher than expected. The goal is to retire this debt as soon as possible. At the end of Fiscal Year 2011, the balance owing on the loan was \$483,500, with a variable annual interest rate of 1.95%

ALTERNATIVES CONSIDERED

The City could opt to not pay this loan off early; instead making the annual payments each year. However, because the debt is ultimately backed by the City's General Fund, borrowing authority under MCA 7-7-4104 is limited to a fixed amount, and interest

ADVANTAGES OF APPROVAL

The General Fund will not be required to pay for capacity expanding costs of the Fire Station.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Annual Operating and Maintenance Costs: Currently supported in General Fund budget.

FUNDING SOURCES

Loan made on borrowing authority of the City's General Fund (MCA.7-7-4104)

All loan repayments will be made by Fire Impact Fee Fund.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

50

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

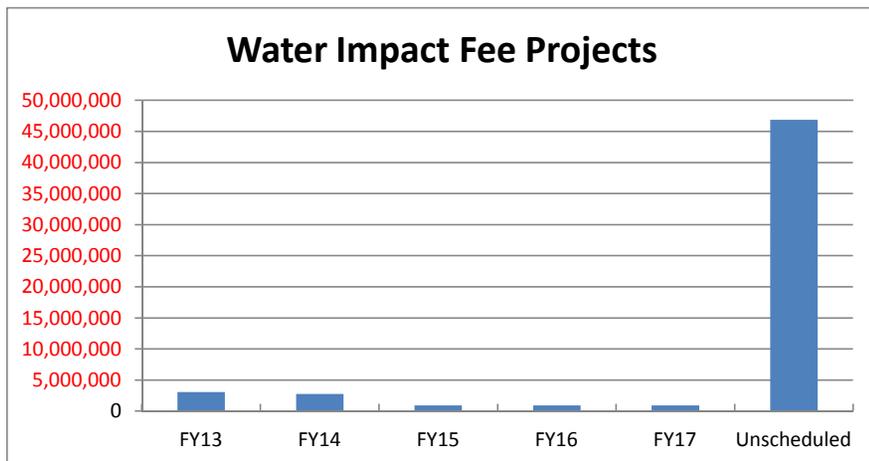


## Water Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Projected Beginning Reserve Balance Dedicated to CIP	\$ 8,500,000	\$ 4,100,000	\$ 1,883,210	\$ -	\$ (0)	\$ (0)
Plus: Impact Fee Revenues Dedicated to CIP	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115	\$ 920,158
Less: Scheduled CIP Project Costs	\$ (5,250,000)	\$ (3,075,290)	\$ (2,750,295)	\$ (884,427)	\$ (902,115)	\$ (920,158)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 4,100,000</b>	<b>\$ 1,883,210</b>	<b>\$ -</b>	<b>\$ (0)</b>	<b>\$ (0)</b>	<b>\$ (0)</b>

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Water Impact Fee Revenues	\$ 850,000	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115	\$ 920,158
Current Revenues Dedicated to CIP %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Plus: Increase Dedicated to Water Capacity Expansion CIP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total % Dedicated to CIP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Estimated Revenues Dedicated to CIP	\$ 850,000	\$ 858,500	\$ 867,085	\$ 884,427	\$ 902,115	\$ 920,158



PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
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CIP PROJECT FUND: Impact Fees Water

W07	WATER IF	WATER TREATMENT PLANT 22MG MEMBRANE PLANT		\$3,075,290					
WIF08	WATER IF	WATER TREATMENT PLAN DEBT SERVICE PAYMENT	50		\$2,750,295	\$884,427	\$902,115	\$920,158	
WIF07	WATER IF	GRAF STREET EXTENSION	35						\$150,000
WIF01	WATER IF	Water Supply Planning and Infrastructure	32						\$19,750,000
WIF03	WATER IF	5.3MG CONCRETE WATER STORAGE RESERVOIR	28						\$5,300,000
WIF05	WATER IF	West Water Transmission Main Loop	10						\$21,680,000

Summary for Impact Fees Water (6 items)

Totals by year:

	<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
	\$3,075,290	\$2,750,295	\$884,427	\$902,115	\$920,158	\$46,880,000

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER  
W07

PROJECT NAME  
WATER TREATMENT PLANT 22MG MEMBRANE PLANT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$3,075,290					

DESCRIPTION OF PROJECT

This new Membrane Filter Treatment Plant is the preferred water treatment alternative identified in the adopted Water Facility Plan. It is recommended to be built with an initial configuration providing 22MGD of water treatment capacity, with future expansion capability to 36MGD. This addresses both the 10- and 20- year capacity requirement forecast for the City's water treatment system. It is expected to be online by October 2013.

The current 15MGD WTP equipment is nearing the end of its useful life; the plant's direct filtration treatment process, while effective most of the year, becomes only marginally effective during spring runoff or flash thunderstorms in the watershed, dropping plant efficiency as low as 70%; and, rapid population growth and expansion of city water services is increasing demand for water. The current plant capacity may be exceeded in as few as five years.

ALTERNATIVES CONSIDERED

The Water Facility Plan considered numerous alternatives for water treatment. This was identified as the preferred alternative in the adopted plan.

ADVANTAGES OF APPROVAL

Planning for increased water supply to meet growing demands and to replace existing equipment that is at the end of its useful life. The New Plant will be located at the current site in a 49,620 sf building located directly north of the plant. It will include pre-

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

This plant is not estimated require an addition to existing plant staff. Annual O&M costs = est. \$1,735,901 (including existing staff plus new plant expenses). None of these costs can be paid with Impact Fees.

FUNDING SOURCES

The most recent estimate of plant costs was provided in the Fall of 2010, at a total of \$40.7 Million. It is estimated that 33% of total project costs (approx \$13.4 Milion) are related to capacity expansion of the plant, and therefore are eligible for impact fee funding. TOTAL PROJECT: 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.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE:

- REQUIRED - CAPACITY EXPANDING
- REQUIRED - USEFUL LIFE 10+ YEARS
- REQUIRED - CAPITAL or DEBT SERVICE

BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)  
 DIRECT BENEFITS: (Up to 10 pts)  
 FUNDING CERTAINTY: (Up to 10 pts)  
 COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER  
WIF01

PROJECT NAME  
Water Supply Planning and Infrastructure

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$19,750,000

DESCRIPTION OF PROJECT

The 2005 Water Facility Plan forecasts a growth-related water supply deficiency to occur within the 20 year planning horizon of the document. A new source of water supply must be planned for, including construction of related infrastructure, to meet the future water demands of the City before an actual supply problem arises. When this deficiency will actually occur is difficult to predict due to its nexus with multiple factors that may vary significantly with time. Important temporal-related variables include population growth, per capita water use, climate-related hydrological impacts, and the relative pattern of sectorized growth (i.e. large industrial, residential, and commercial sectors, etc.). Further complicating the water supply issue are uncertainties surrounding the City's existing water rights. The project consists of two main components: Planning; and Implementation. An Integrated Water Supply Plan (IWRP) will be prepared to document, analyze, and evaluate all pertinent and relevant information surrounding current water rights and water use, future demand, climate impacts, and alternative sources of future water supply. Alternative source analysis is intended to be a broad array of sources from deep groundwater, shallow groundwater, purchase of Hyalite Reservoir water, Sourdough Dam, Water Conservation, etc. The goal of the plan is to address the complexities of the City's existing water rights, water use and future demand to determine a realistic set of water supply alternatives and capital estimates to further plan and develop through implementation of IWRP recommendations. The implementation component of the project will likely require additional specific planning and/or studies. For instance, a specific hydrogeologic characterization of a potential groundwater well field including pump testing; or a specific geotechnical, geological, and seismic characterization of a potential dam site. Furthermore, environmental permitting (i.e. NEPA/MEPA compliance) of the implemented alternative will be a likelihood and acquisition of a new beneficial water right permit will be required for any new water source development. These are complex issues with a protracted implementation future.

ALTERNATIVES CONSIDERED

The IWRP will consider and evaluate a broad array of available water supply sources to satisfy the future needs of the City.

ADVANTAGES OF APPROVAL

Additional water is secured to meet future needs.

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

Unknown at this time.

FUNDING SOURCES

100% Water Impact Fees

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 32

<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)	2
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	5

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

<b>PROJECT NUMBER</b>
<b>WIF03</b>

<b>PROJECT NAME</b>
5.3MG CONCRETE WATER STORAGE RESERVOIR

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$5,300,000

**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

<b>Impact Fee Funds Project and Equipment Scoring</b>		<b>TOTAL SCORE:</b>	<b>28</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20	
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	3	
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5	
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0	

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

**PROJECT NUMBER**  
**WIF05**

**PROJECT NAME**  
West Water Transmission Main Loop

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

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

Annual Operating & Maintenance Costs: Impact Fees can not be spent on annual operations and maintenance costs. The Water Utility will see incremental increases in general maintenance costs. Current cost estimate of \$12,500 per water-main mile maintained annually.

**FUNDING SOURCES**

Impact Fee eligible portions are related to improvement costs beyond an 8" line capacity. At this point in time, it is estimated that the 12" and 24" lines are most likely to be built within the next 5 years; the cost of over-sizing those lines would be eligible for impact fees and is estimated to total \$1,874,886. Given the priority of the Water Treatment Plant project, it's relative size and scope, these improvements have been moved to "unscheduled."

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 10**

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

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

PROJECT NUMBER  
WIF07

PROJECT NAME  
GRAF STREET EXTENSION

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$150,000

DESCRIPTION OF PROJECT

This project is to extend Water Mains below Graf Street approximately ¼ mile in order to connect infrastructure east from 19th Avenue. This is an important connection for public safety purposes – allowing fire service to meet their response time requirements in areas where they currently cannot. The Water infrastructure should be installed at the same time the street connection is made.

ALTERNATIVES CONSIDERED

Do nothing and wait for development to connect the infrastructure.

ADVANTAGES OF APPROVAL

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

ADDITIONAL OPERATING COSTS IN THE FUTURE, IF FUNDED

FUNDING SOURCES

100% Water Impact Fee – to be recovered by developer payback.

Impact Fee Funds Project and Equipment Scoring

TOTAL SCORE: 35

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

CIP Project Fund  
Impact Fees Water

DEPARTMENT  
WATER IF

**PROJECT NUMBER**  
**WIF08**

PROJECT NAME  
WATER TREATMENT PLAN DEBT SERVICE PAYMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
	\$2,750,295	\$884,427	\$902,115	\$920,158.00	

**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  
**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.

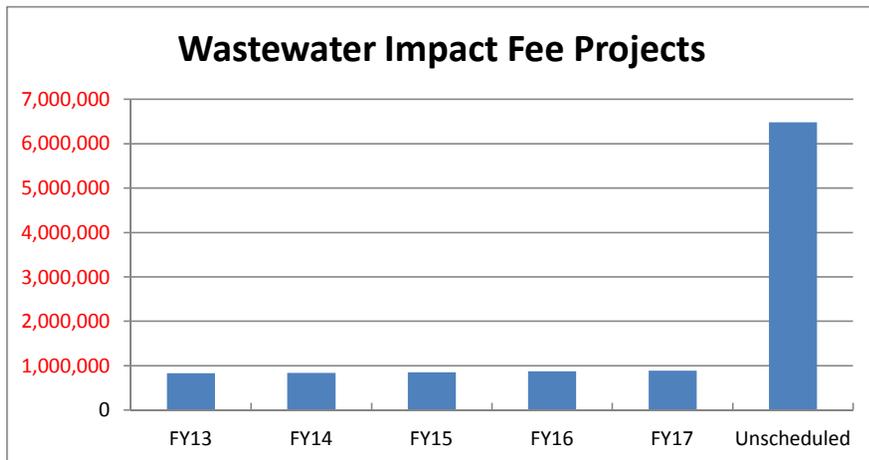
<b>Impact Fee Funds Project and Equipment Scoring</b>	<b>TOTAL SCORE:</b>	<b>50</b>
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	10

## Wastewater Impact Fee Capital Improvement Plan

Financial Summary	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Projected Beginning Reserve Balance Dedicated to CIP	\$ -	\$ 264,000	\$ 264,000	\$ 264,000	\$ 264,000	\$ 264,000
Plus: Impact Fee Revenues Dedicated to CIP	\$ 668,000	\$ 828,200	\$ 836,482	\$ 853,212	\$ 870,276	\$ 887,681
Less: Scheduled CIP Project Costs	\$ (404,000)	\$ (828,200)	\$ (836,482)	\$ (853,212)	\$ (870,276)	\$ (887,681)
<b>Projected Year-End Cash Dedicated to CIP</b>	<b>\$ 264,000</b>					

### Assumptions Made for Revenue Estimates:

	Current Year	Projected				
	FY12	FY13	FY14	FY15	FY16	FY17
Estimated Annual Wastewater Impact Fee Revenues	\$ 820,000	\$ 820,000	\$ 828,200	\$ 836,482	\$ 853,212	\$ 870,276
Estimated Annual Increase	0.0%	1%	1%	2%	2%	2%
Total Estimated Revenues	\$ 820,000	\$ 828,200	\$ 836,482	\$ 853,212	\$ 870,276	\$ 887,681
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	\$ 828,200	\$ 836,482	\$ 853,212	\$ 870,276	\$ 887,681



PROJ.	DEPARTMENT	PROJECT NAME	RATING	FY13	FY14	FY15	FY16	FY17	Unscheduled
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CIP PROJECT FUND: Impact Fees Wastewater

WWIF14	WWATER IF	WRF PHASE I DEBT RETIREMENT	50	\$828,200	\$836,482	\$853,212	\$870,276	\$887,681	\$960,000
WWIF12	WWATER IF	GRAF STREET EXTENSION	35						\$50,000
WW28	WRF PLANT	DESIGN PHASE II - WRF PLANT IMPROVEMENTS	30						\$2,615,000
WWIF05	WWATER IF	HOSPITAL TRUNK LINE: HAGGERTY TO KAGY	27						\$1,062,000
WWIF11	WWATER IF	REPLACE FRONT STREET: TAMARACK/ROUSE	27						\$1,800,000

*Summary for Impact Fees Wastewater (5 items)*

*Totals by year:*

	<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>Unscheduled</u>
	\$828,200	\$836,482	\$853,212	\$870,276	\$887,681	\$6,487,000

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WRF PLANT

<b>PROJECT NUMBER</b>
<b>WW28</b>

<b>PROJECT NAME</b>						
DESIGN PHASE II - WRF PLANT IMPROVEMENTS						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
					\$2,615,000

**DESCRIPTION OF PROJECT**

In January 2006 Morrison & Maierle Consulting Engineers completed a comprehensive Wastewater Facilities Plan. The plan recommends the City proceed with a 3-phased project schedule that includes the construction of the new Water Reclamation Facility (WRF), capable of handling our increased flows while also reducing the amount of Total Nitrogen discharged to the East Gallatin River. Phase two is expected to include one new primary clarifier, more BNR reactor basins, clarifiers, tertiary deep bed filtration, liquid sludge storage tanks, anaerobic digestion, and effluent re-use pumping station. The capacity expanding (impact fee eligible) elements are: reactor 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 that half of the 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.

**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 Wastewater

DEPARTMENT  
WWATER IF

<b>PROJECT NUMBER</b>
<b>WWIF05</b>

<b>PROJECT NAME</b>						
HOSPITAL TRUNK LINE: HAGGERTY TO KAGY						

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 27**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	2
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

PROJECT NUMBER
WWIFI I

PROJECT NAME
REPLACE FRONT STREET: TAMARACK/ROUSE

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	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

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 27**

<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	2
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	5
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	0

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

PROJECT NUMBER  
WWIF12

PROJECT NAME  
GRAF STREET EXTENSION

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled \$50,000
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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.

**Impact Fee Funds Project and Equipment Scoring**

**TOTAL SCORE: 35**

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

CIP Project Fund  
Impact Fees Wastewater

DEPARTMENT  
WWATER IF

PROJECT NUMBER  
WWIF14

PROJECT NAME  
WRF PHASE I DEBT RETIREMENT

- New
- Replacement
- Equipment
- Project

FY13	FY14	FY15	FY16	FY17	Unscheduled
\$828,200	\$836,482	\$853,212	\$870,276	\$887,681.00	\$960,000

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

FY07 Design: Total \$3.9 Million  
 67% Wastewater Utility Cash = \$2.33 Million  
 33% Wastewater Impact Fee Cash = \$1.57 Million

FY09 & FY10 & FY11 Construction: Total \$49.9 Million  
 67% Wastewater Utility = \$33.5 Million

Impact Fee Funds Project and Equipment Scoring	TOTAL SCORE:	50
<input checked="" type="checkbox"/> REQUIRED - CAPACITY EXPANDING	BENEFITS TO NEW DEVELOPMENT: (Up to 20 pts)	20
<input checked="" type="checkbox"/> REQUIRED - USEFUL LIFE 10+ YEARS	DIRECT BENEFITS: (Up to 10 pts)	10
<input checked="" type="checkbox"/> REQUIRED - CAPITAL or DEBT SERVICE	FUNDING CERTAINTY: (Up to 10 pts)	10
	COMMISSION WORK PLAN PRIORITY: (Up to 10 pts)	10