

CITY OF ST. PETERS

**FISCAL YEARS 2009/10
THROUGH 2014/15**

CAPITAL IMPROVEMENT PLAN

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SUMMARY

A Capital Improvement Plan is a tool to assess the long-term capital needs of a city and to establish funding of high-priority projects in a timely and cost-effective fashion. The City has been continuously refining the process of long-term capital planning. The goal has been to replace and repair deteriorating infrastructure and to add new facilities to insure the quality of life that St. Peters' residents enjoy. As part of an evolving planning process, during the 1997/1998 Fiscal Year the City prepared its first comprehensive Capital Improvement Plan (the "Capital Improvement Plan").

The Capital Improvement Plan is intended to ensure that policy makers are responsible to residents and businesses of St. Peters with respect to the expenditure of City funds for capital projects. Implementation of the plan is intended to provide residents and businesses the high quality infrastructure and continued and efficient provision of services they expect.

The Capital Improvement Plan lists projects, describes them, estimates the costs and describes the funding method to be utilized. Projects in the Capital Improvement Plan were identified by operating departments and reviewed by City elected officials and staff. Project cost estimates were also provided by operating departments. Prioritizing of projects was initiated at the departmental level with final review, prioritizing and approval by the Board of Aldermen.

The Capital Improvement Plan covers the period for the Fiscal Years 2009/10 through 2014/15. The capital projects and acquisitions included in the plan are fixed assets or major maintenance with a useful life of at least two years or improvements that extend the life of an existing City fixed asset by at least two years. Descriptions are provided for projects and capital assets that cost \$50,000 or higher, projects with components that exceed \$50,000 and multi-year projects that cost \$50,000 or more over the next five years.

As a point of reference, portions of the budget for the 2009/10 Fiscal Year relating to capital projects are included in the plan. The capital projects and acquisitions included in the plan for the 2009/10 Fiscal Year will be integrated in the City's 2010/11 budget. Subsequent years of the Capital Plan are intended to provide a framework for planning and future spending. These sections are, however, subject to change and amendment as City conditions warrant in future years.

Project Funding - General Fund

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Balance	\$8,493,864	\$3,560,077	\$1,617,727	\$1,143,027	\$1,044,527	\$953,927
Revenues						
Property Tax	5,964,200	6,621,000	6,926,000	7,054,000	7,380,000	7,073,000
Sales Tax	11,400,000	11,750,000	12,368,000	12,742,000	13,119,000	13,316,000
Other Taxes	3,886,600	4,441,000	4,574,000	4,711,000	4,852,000	4,998,000
Licenses & Permits	1,204,900	1,242,000	1,267,000	1,292,000	1,318,000	1,344,000
Intergovernmental Revenue	3,838,900	3,915,700	3,994,000	4,074,000	4,155,000	4,238,000
Interest	150,000	150,000	250,000	253,000	256,000	259,000
Municipal Court & Police	2,893,900	2,950,000	3,039,000	3,130,200	3,224,100	3,321,000
Other	458,200	457,000	468,000	480,000	492,000	504,000
Total Revenue	29,796,700	31,526,700	32,886,000	33,736,200	34,796,100	35,053,000
Expenditures						
Operating	31,318,351	31,424,500	31,367,200	32,208,300	33,073,000	33,963,100
Allocation of Administrative Overhead	(1,042,000)	(1,050,000)	(1,050,000)	(1,050,000)	(1,050,000)	(1,050,000)
Capital	3,142,760	1,695,550	1,725,500	1,553,400	1,821,700	1,845,000
Total Expenditures	33,419,111	32,070,050	32,042,700	32,711,700	33,844,700	34,758,100
Surplus (Deficit)	(3,622,411)	(543,350)	843,300	1,024,500	951,400	294,900
PIC Lease Payment	(290,000)	(285,000)	(285,000)	(70,000)	(68,000)	(65,000)
Transfer to Post Retirement Benefit Trust	(370,000)	(389,000)	(408,000)	(428,000)	(449,000)	(471,000)
Transfer From (To) Other Funds	(1,049,669)	(300,000)	(200,000)	(200,000)	(100,000)	0
Debt Service	(325,000)	(325,000)	(325,000)	(325,000)	(325,000)	(325,000)
Transferred From (To) Reserves	723,293	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
Transferred From (To) Lakeside Reserve	0	0	0	0	0	0
Ending Fund Balance	\$3,560,077	\$1,617,727	\$1,143,027	\$1,044,527	\$953,927	\$287,827

GENERAL FUND – Capital Project Summary

General

The General Fund is the City fund from which all general operating expenses are paid and to which taxes and all other revenues not specifically allocated by law or contractual agreement to other funds are deposited. In the past, General Fund monies have been appropriated to a capital projects fund that is used to finance major capital projects.

Capital Expenditures

	2010/11	2011/12	2012/13	2013/14	2014/15
General Fund Vehicle Replacements	410,000	618,000	591,000	866,000	602,000
Parks- Rolling Stock and Equipment	105,000	95,000	0	0	195,000
Trail Maintenance and Development	200,000	200,000	200,000	200,000	200,000
Community Relations Equipment Replacement and Additions	98,550	100,000	25,000	63,000	0
Information Technology Replacement and Additions	482,000	312,500	337,400	292,700	448,000
Miscellaneous	400,000	400,000	400,000	400,000	400,000
Total	1,695,550	1,725,500	1,553,400	1,821,700	1,845,000

General Fund –All Departments Vehicle Replacement

Vehicle Replacement and Additions

Project Description

This project involves the replacement of vehicles used by the City's General Fund departments. The project is intended to establish a replacement cycle that matches the life cycle of the vehicles

Department	Description	Life Cycle	2010/11	2011/12	2012/13	2013/14	2014/15
Engineering	4x4 SUV	10	0	22,000	0	44,000	0
Engineering	½ Ton	10	18,000	0	0	0	24,000
Engineering	¼ Ton	10	15,000	0	0	0	0
Engineering	Sedan	10	0	20,000	40,000	0	0
Health	Sedan	4	0	0	0	20,000	0
Health	¼ Ton – Mosquito Fogger Truck	10	0	20,000	0	0	0
Health	½ Ton Animal Control and New Cage	8	0	0	51,000	0	0
Police	Admin Sedan	4	20,000	20,000	20,000	0	27,000
Police	Admin Sedan	7	20,000	40,000	40,000	0	0
Police	Patrol Vehicles	3	189,000	216,000	162,000	162,000	216,000
Police	Patrol SUV	3	25,000	0	50,000	50,000	0
Police	Motorcycle	7	0	0	30,000	30,000	0
Police	Cargo Van	7	0	0	35,000	0	0

Parks	Sedan	4	0	0	20,000	0	0
Parks	Sedan	8	20,000	0	0	0	0
Parks	¼ Ton	10	0	15,000	0	0	0
Parks	¾ Ton	10	53,000	0	38,000	0	0
Parks	1 Ton	10	0	0	0	210,000	275,000
Parks	2 Ton	11	0	0	0	140,000	0
Parks	2 Ton Bucket	11	0	0	0	170,000	0
Parks – Ranger	SUV	3	0	40,000	0	0	40,000
Parks – Ranger	SUV	4	20,000	0	0	0	20,000
Parks	Lift Truck		0	0	105,000	0	0
Administration	Van	10	30,000	0	0	0	0
Storm Water	2 Ton	12	0	225,000	0	0	0
Storm Water	¾ Ton	15	0	0	0	40,000	0
Total			410,000	618,000	591,000	866,000	602,000

Goals And Benefits

- Reduce maintenance costs and down time
- Provide safe and clean streets and parks
- Ensure safety of police officers and residents
- Provide continuous and effective crime prevention capabilities
- Increase the department's productivity

Funding Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
3,087,000	410,000	618,000	591,000	866,000	602,000

GENERAL FUND – Parks

Rolling Stock and Equipment Replacements

Project Description

This project involves the replacement of rolling stock and equipment used by the Park Department. The project is intended to establish a replacement cycle that matches the life cycle of the asset. The following table sets forth the equipment to be acquired.

	Expected					
	Life					
	In Yrs.	2010/11	2011/12	2012/13	2013/14	2014/15
Toro 580D Mower	10	0	95,000	0	0	0
519D Rotary Mower	8	55,000	0	0	0	0
Toro 4000D Rotary Mower #1	8	50,000	0	0	0	0
340B Tractor	30	0	0	0	0	55,000
7700 Tractor	30	0	0	0	0	140,000
TOTAL		105,000	95,000	0	0	195,000

Existing Condition

Replacement of vehicles and equipment on a life cycle basis, ensures the provision of continuous efficient service and reduces maintenance costs and down time. The following is a brief description of the vehicles and equipment being replaced.

Equipment	
Toro 580D Mower	1999 large area rotary mower will need to be replaced due to age. The mower is used to cut grass in parks.
519D Rotary Mower	2004 rotary mower will need to be replaced due to age. Mower is used to cut grass in parks.
Toro 4000D Rotary Mower#1	2004 rotary mower is used to cut grass in parks.
340B Ford Tractor	1985 tractor will be 30 years old when replaced. Used to mow and fertilize parks.
7700 Ford Tractor	1985 tractor is used with heavier implements in park operations.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2103/14	2014/15
395,000	105,000	95,000	0	0	195,000

GENERAL FUND – Parks

Trail Maintenance and Development

Project Description

Allocation of money received from the Great Rivers Greenway (previously referred to as the Metropolitan Park and Recreation) Sales Tax will be used on maintenance of existing trail system and for the development of new trails within the city.

	Expected					
	Life					
Projects	In Yrs.	2010/11	2011/12	2012/13	2013/14	2014/15
Trail maintenance and development. Includes site amenities: lighting, benches, signage, picnic tables, and trashcans.		144,000	160,000	150,000	128,000	135,000
Replace 773 Bobcat skid-loader	12	0	40,000	0	0	0
Replace Backhoe / Front Loader	10	56,000	0	0	0	0
Replace JD T1600 Rotary Mower	8	0	0	50,000	0	0
Replace Bitelli Asphalt Paver	10	0	0	0	72,000	0
Toro 4000D Rotary Mower #2	8	0	0	0	0	65,000
Total		200,000	200,000	200,000	200,000	200,000

Existing Condition

At this time, there are over 12 miles of paved trails in the citywide trail system. It is the goal of the department to replace up to 1.5 mile of trail each year. The city also has plans to increase the trail system in several areas throughout the city. The following is the schedule for trail replacement and new trail development.

Trails in the following areas have been identified as the top priority for replacement

- Laurel Park – Lake levee to upper pavilion
- Spencer Creek – Boone Hills to Showboat Circle
- Dardenne Trail – Sunnyview to Mexico Road.
- Covenant/Country Creek
- Country Crossing

New trail development is scheduled for the following areas

- Lakeside Park – connection to Lakeside Park from City Centre trail. Perimeter trail around lake, along levees and throughout park
- Woodlands Sports Park and Rabbit Run Park – interior trails within the park (Partially funded through Recreational Trail Grant)
- Laurel Park – connection to McClay Road
- Dardenne Creek Greenway Trail – connection of Woodlands Sports Park and Rabbit Run Park to Mexico Road (funded through partnership with Great Rivers Greenway).
- Ohmes Tract development – subdivision trails throughout area.

Equipment	
Replace Bobcat 773	Purchased in 2000. Equipment is regularly used and will need to be replaced due to age and wear of equipment.
Replace Backhoe/Front Loader with Versa Handler Telescopic Tool Carrier	Purchased in 1998 Backhoe with Front Loader is schedule for replacement due to age and use. Will replace this unit with a Versa Handler Telescopic Tool Carrier, which is better suited for dept. needs.
JD T1600 Rotary Mower	Purchased in 2006, mower needs increased maintenance each year and is recommended to be replaced prior to the 8 year life expectancy.
Replace Bitelli Asphalt Paver BB621C	Purchased in 2003, paver will 10 years old when replaced.
Toro 4000D Rotary Mower #2	2007 rotary mower is used to cut grass in parks.

Goals And Benefits

- A safe and aesthetically pleasing pedestrian system.
- Expansion of city trail system.
- Connection of city parks through a pedestrian trail system.

Expenditure Schedule

Funding source is through the Great Rivers Greenway Parks and Recreation Sales Tax.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
1,000,000	200,000	200,000	200,000	200,000	200,000

GENERAL FUND – Community Relations

Rolling Stock and Equipment Replacement and Additions- Community Relations

Project Description

This project involves the replacement of rolling stock and equipment used by the Community Relations Department. The project is intended to establish a replacement cycle that matches the life cycle of the vehicles and equipment. The project also describes equipment or vehicles to be added and the new equipment for the City's Justice Center.

	2010/11	2011/12	2012/13	2013/14	2014/15
Combined Equip Under \$50K	98,550	100,000	25,000	63,000	0
Cable Station Roof Replacement	0	0	0	0	0
Editing Systems Replacement	0	0	0	0	0
TOTAL	98,550	100,000	25,000	63,000	0

Replacement of equipment on a life cycle basis, ensures the provision of continuous efficient service and reduces maintenance costs and down time. The following is a brief description of the equipment being replaced.

Equipment/List Item	Describe Existing Condition
Combined Equipment Under \$50,000	Replaces existing equipment such as field camera, lighting, TBC, microphones, printer, and outdated multi box and others. Portable audio system upgrade and parabolic microphone needed for use in outdoor events i.e. Veterans, anniversary celebrations. TIVOs would have been replaced; replacing with hard drive computers (approved by IS) removes the need for TIVO ongoing subscriptions and is more cost effective. CD/DVD Duplicator being replaced sooner than anticipated because of growing requests for meeting copies, etc. and current unit is becoming unreliable and wearing out sooner due to high demand. Almost every item is a replacement of current equipment nearing the end of its projected life cycle. Regular replacement plans are in place for frequently replaced items, i.e. camera batteries. Printer is a replacement of unit that is no longer reliable; digital camera is not reliable and repairs are about as expensive as purchase of a new one.
Edit Equipment Upgrade or Replacement	Replace the video editing systems used to put together all City produced programming, i.e. Ward Update, UpFront, etc. Based on technology advancements, a decision will be made as to upgrade or replacement of the current editing stations. Current AVID editing stations will be transitioned secondary use until lifecycle ends.

Goals And Benefits

Enable the City to operate a cable channel for the purpose of promoting greater citizen participation in local government affairs.
Enable the City to operate a cable channel for the purpose of informing citizens of current events and community activities and information.
Replace obsolete equipment to enable the City's cable station to offer high quality programming and utilize new technologies to achieve our goals more efficiently and cost-effectively.
Enable the City to be able to provide emergency operations communications to our citizens through a variety of sources including print, broadcast and internet.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
286,550	98,550	100,000	25,000	63,000	0

GENERAL FUND — Information Technology

Equipment Replacement and Additions- Information Technology

Project Description

Software and Licensing:

This software category is for all software and licensing needs within the City. Citywide software and licensing such as Microsoft Office, Microsoft Core Client Access Licenses, Web Utilities, Antivirus, MSGovern, CLASS and Pamet are evaluated annually to ensure proper licensing and coverage. All individual software (with 10 users or less) is evaluated for the annual budget when requested by each department or group of users.

- Antivirus Software Subscription
- Microsoft Core CALs
- Microsoft Office Licensing
- Microsoft SQL Licensing
- Backup Exec Software
- Web Filtering and Blocking Software
- Email Filtering for Spam
- Utility Billing/Business License Online Payment Software Upgrade/Replacement
- Permits and Inspections Replacement

Professional Services:

We have included funding for consulting services to assist the IT department with network issues, vendor specific software projects, and migration support. Any additional departmental projects will adjust these numbers accordingly.

- Web Interface Programming
- Pamet Programming
- Network Wiring
- MSGOVERN General Software Modifications/Enhancements
- Network Consulting & Security Audit
- GIS Programming
- Internet Services

Hardware:

Every year we evaluate the minimum requirements for PCs to operate our applications. We upgrade memory as needed during the 5 years of expected life. Based on trouble calls and vendor software requirements, memory upgrades or additional disk storage may be required. Some of the hardware affected by the Microsoft migration has reached end-of-life and will be replaced. Other equipment will require hardware and operating system upgrades to extend the life of the equipment.

- UPS Upgrades (Battery)
- UPS, New and Replacement

Printers – Replacements/New
 Printers – Datacard Color
 PC Replacements
 PC Upgrades (Memory & Storage)
 Server Replacements
 Server Replacements
 PD Laptop Replacements
 Lakeside 370 Park Technology

Network:

The City has a fiber-optic network capable of supporting voice, video and data communications. Network hardware will be added or upgraded to take care of known problems, minimize network outages, and provide additional management and configuration capabilities. The industry has standardized on GBIC technology. GBIC provides the same capabilities as ATM equipment but at higher speeds and lower costs. In FY11 thru FY15, we will continue to replace end-of-life equipment in the remote buildings and renew maintenance on existing equipment.

Network Security
 Data Center Upgrades
 Physical Infrastructure Upgrades
 Communications Route Recovery

Expenditure Schedule

	2010/11	2111/12	2012/13	2013/14	2014/15
Software and Licensing	170,200	18,500	10,200	10,200	10,200
Professional Services	94,200	92,500	98,500	92,500	98,500
Hardware	174,600	126,300	116,600	115,200	144,700
Network Security	43,000	75,200	112,100	74,800	194,600
Total	482,000	312,500	337,400	292,700	448,000

Project Funding - Local Parks and Storm Water Fund

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Balance	\$847,840	\$990,090	\$601,490	\$496,540	\$160,990	\$484,890
Revenues						
Sales Tax	1,140,000	1,175,000	1,236,800	1,274,200	1,311,900	1,331,600
Storm Water Maintenance Revenue	0	0	990,000	990,000	990,000	990,000
Interest Income	20,000	10,000	10,000	10,000	10,000	10,000
Miscellaneous Revenue	0	10,000	10,000	10,000	10,000	10,000
Total Revenues	1,160,000	1,195,000	2,246,800	2,284,200	2,321,900	2,341,600
Expenses						
Park Projects	100,000	300,000	580,000	400,000	400,000	460,000
Miscellaneous Storm Water Projects Including 50/50	100,000	100,000	100,000	100,000	100,000	100,000
Storm Water/Creek Stabilization Projects	0	70,000	0	620,000	0	0
Citywide Master Plan	0	500,000	0	0	0	0
Storm Water/Creek Stabilization Maintenance	62,250	58,100	35,000	23,000	21,250	20,000
Storm Water/Creek Stabilization Rolling Stock	0	0	160,000	0	0	115,000
Storm Water/Creek Stabilization Oversight	0	0	921,250	921,250	921,250	921,250
Miscellaneous Expense	500	500	500	500	500	500
Debt Service for Park Projects	192,500	192,500	192,500	192,500	192,500	192,500
Debt Service for Storm Water /Creek Stabilization Project	357,500	357,500	357,500	357,500	357,500	357,500
Total Expenses	812,750	1,578,600	2,346,750	2,614,750	1,993,000	2,166,750
Income (Loss)	347,250	(383,600)	(99,950)	(330,550)	328,900	174,850
Transfer To 370 Lakeside Park Capital Project Fund	(200,000)	0	0	0	0	0
Transfer From (To) Reserves	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
	0	0	0	0	0	0
Transfer From (To) Reserves for Debt Service	0	0	0	0	0	0
Ending Balance	\$990,090	\$601,490	\$496,540	\$160,990	\$484,890	\$654,740

LOCAL PARKS AND STORM WATER FUND – Capital Project Summary

General

This fund was established following the approval of a 1/10¢ local parks and storm water control sales tax by referendum in 2000. The money from this tax may be used for construction, reconstruction, repair and maintenance of parks and storm water systems, the acquisition of lands and right-of-way for parks and storm water control and for planning and feasibility studies for parks and storm water control. All money from this sales tax is deposited in the City's Local Parks and Storm Water Fund. This fund is also used to account for grants that also pay a portion of the project costs.

	2010/11	2011/12	2012/13	2013/14	2014/15
Parks Department Projects	300,000	580,000	400,000	400,000	460,000
Storm Water Projects	728,100	135,000	743,000	121,250	120,000
Total	1,028,100	715,000	1,143,000	521,250	580,000

LOCAL PARKS AND STORM WATER FUND – Park Project Summary

Capital Expenditures

The following table sets forth the park projects that are to be financed annually with funds generated in the local parks and storm water fund.

	2010/11	2011/12	2012/13	2013/14	2014/15
Playground Equipment	100,000	100,000	25,000	100,000	100,000
370 Lakeside Park	200,000	250,000	375,000	200,000	200,000
Outdoor Pool Repairs	0	150,000	0	0	0
Restroom at City Centre Park	0	80,000	0	0	0
Parking lot seal and stripe	0	0	0	100,000	100,000
Woodlands Box Culvert	0	0	0	0	60,000
Total	300,000	580,000	400,000	400,000	460,000

LOCAL PARKS AND STORM WATER FUND – Parks

Playground Equipment - Parks

Project Description

This project involves the replacement and/or new construction of playground equipment and surfacing at many of the City parks to comply with the Americans with Disabilities Act and/or the guidelines of the Consumer Product Safety Commission. To ensure the replacement of playground equipment on a timely basis, the City has established a replacement program and allocates approximately \$100,000 annually for the project.

Existing Condition

Over the next several years, the playground equipment at many of the City parks will have exceeded its useful life and will not be in compliance with the safety guidelines of the Consumer Product Safety Commission. In addition, the playgrounds at many parks are not handicapped accessible. When equipment is replaced, the playground areas must be renovated to comply with the Americans with Disabilities Act and/or the guidelines of the Consumer Product Safety Commission. As the city develops additional parkland, new playground equipment will be constructed. Playground equipment in the following parks has been identified as the top priority for replacement and/or new construction.

Location
 Brown Road Park
 Lakeside 370
 Covenant Park
 Shady Springs Park
 Woodlands Park

Goals And Benefits

Provide state of the art play equipment in city parks.
 Compliance with ADA, CPSC, ASTM guidelines.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
500,000	100,000	100,000	25,000	100,000	100,000

LOCAL PARKS AND STORM WATER FUND – Parks

370 Lakeside Park Development

Project Description

Develop parkland within 370 Lakeside Park. Roads, trails, camp sites, pavilions, playgrounds, lake development, passive play area all will need to be developed within the park.

Existing Condition

The park is currently under construction.

Goals And Benefits

Provide the residents of St. Peters with a new 300-acre park that will feature a 140-acre lake.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
1,225,000	300,000	150,000	375,000	200,000	200,000

LOCAL PARKS AND STORM WATER FUND – Parks

Outdoor Pool Renovation

Project Description

Change out D.E. filters to sand filtration at Golf and Rec pool.

Existing Condition

This is the last filtration change for the outdoor pools. Nob Hill and Laurel Park pools filters have been changed to sand. Sand filtration is a cleaner and easier system to maintain.

Goals And Benefits

Improved pool operation.
Provide a comfortable and attractive pool environment for our customers.
Ease of operation for staff to maintain and operate.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
150,000	0	150,000	0	0	0

LOCAL PARKS AND STORM WATER FUND – Parks

Restroom at City Centre Park

Project Description

Install a permanent restroom facility near the playground at City Centre Park.

Existing Condition

Currently the playground does not have a restroom facility.

Goals And Benefits

Increased user satisfaction.
Increased park amenities.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
80,000	0	80,000	0	0	0

LOCAL PARKS AND STORM WATER FUND – Parks

Parking Lot Seal and Stripe

Project Description

Seal and stripe all parking lots in the park system.

Existing Condition

The lots have not been sealed for several years and the lines in the parking lots have faded through wear.

Goals And Benefits

Seal parking lots to provide longer use before replacement is necessary

Stripe lots to maximize number of available parking spots for vehicles

Parks will be more attractive for organizations to schedule games

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
200,000	0	0	0	100,000	100,000

LOCAL PARKS AND STORM WATER FUND – Parks

Woodlands Sports Park Entrance Box Culvert

Project Description

Replace a 48" metal storm water pipe near the entrance of Woodlands Sports Park with a box culvert.

Existing Condition

The existing pipe is undersized and cannot transfer the volume of water that drains to that area. As a result, water frequently runs across the road instead of staying under the road, causing the roadway to flood.

Goals And Benefits

Facilitate storm water drainage via an adequate structure

Decrease flooding of roadway

Increase safety of Park users

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
60,000	0	0	0	0	60,000

LOCAL PARKS AND STORM WATER FUND – Storm Water Summary

Capital Expenditures

The following table sets forth the storm water projects that are to be financed annually with funds generated in the local parks and storm water fund.

	2010/11	2011/12	2012/13	2013/14	2014/15
50/50 Storm Water Erosion Control Program	100,000	100,000	100,000	100,000	100,000
City Wide Master Plan	500,000	0	0	0	0
Storm Water Control Projects	70,000	0	620,000	0	0
Storm Water Maintenance	58,100	35,000	23,000	21,250	20,000
Storm Water Rolling Stock	0	160,000	0	0	115,000
Total	728,100	295,000	743,000	121,250	235,000

LOCAL PARKS AND STORM WATER FUND – Storm Water

50/50 Storm Water/Erosion Control Program

Project Description

This project involves small-scale improvements to control storm water and provide erosion control. These improvements may include sewer installations, channelization, detention, various projects to creek banks, and renovation of existing systems. The projects are designed to mitigate damage to private and public property from flooding.

Existing Condition

There are several areas in St. Peters that flood during wet weather conditions. The conveyance of storm water in the City is primarily by open channel or small creeks and occasionally by a privately installed piped system. Portions of the conveyance system are on private property. Since many storm water mitigation needs are small and located on private property, usually without dedicated easements, the City has adopted a program to provide assistance if the private land owner(s) participated in the project by paying 50% of the cost of materials and contracted labor.

Goals And Benefits

Decrease flooding throughout the City
Eliminate flood damage and flood related costs
Improve the quality of life

Expenditure Schedule

The following table sets forth the amount of funding to be provided by the City.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
500,000	100,000	100,000	100,000	100,000	100,000

LOCAL PARKS AND STORM WATER FUND – Storm Water

Storm Water Control Projects

Project Description

This project involves the design and construction of improvements identified in the City of St. Peters Storm Water Master Plan and through staff or concerns received that are required to control storm water and provide creek bank stabilization. These improvements may include sewer installations, channelization, detention, various projects to creek banks, and renovation of existing systems. The projects are designed to mitigate damage to private and public property from erosion or flooding.

	2010/11	2011/12	2012/13	2013/14	2014/15
HS-1	70,000	0	620,000	0	0
Total	70,000	0	620,000	0	0

Existing Condition

There are several areas in St. Peters that erode and flood during wet weather conditions

Goals And Benefits

Reduce erosion concerns
Decrease flooding throughout the City

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
690,000	70,000	0	620,000	0	0

LOCAL PARKS AND STORM WATER FUND – Storm Water

Storm Water Project Maintenance

Project Description

This project allows for limited maintenance on recently constructed storm water improvement projects that have repaired or reconstructed failing creeks within the City. The projects include less structural improvements, such as concrete-lined channels, and mainly consist of bio-engineering improvements which include native plantings and vegetation as in integral part of the solution. These plantings require maintenance the first three to five years of installation to promote proper growth and establishment to ensure a self-sustaining, relatively maintenance-free project.

Existing Condition

There are 11 constructed storm water improvement projects within the City. Of these, ten projects require limited maintenance such as control and removal of invasive plant species, management of growth, and supplemental plantings as required to ensure proper plant densities.

Goals And Benefits

Proper plant establishment
No to Low maintenance projects once plants establish
Improves the aesthetics of completed improvement projects

Expenditure Schedule

The following table sets forth the amount of funding to be provided by the City.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
157,350	58,100	35,000	23,000	21,250	20,000

LOCAL PARKS AND STORM WATER FUND – Storm Water

Rolling Stock and Equipment Replacement and Additions

Project Description

This project involves the replacement of rolling stock and equipment used by the Storm Water Department. The project is intended to establish a replacement cycle that matches the life cycle of the asset. The following table sets forth the equipment to be acquired.

	Expected					
	Life					
	In Yrs.	2010/11	2011/12	2012/13	2013/14	2014/15
Equipment						
1999 Rubber Tire Backhoe JD710D (JD710G, \$140,000)	12	0	160,000	0	0	0
T300 Skidsteer	7	0	0	0	0	40,000
435 Mini-Excavator	7	0	0	0	0	75,000
Total		0	160,000	0	0	115,000

Existing Condition

Replacement of vehicles and equipment on a life cycle basis, ensures the provision of continuous efficient service and reduces maintenance costs and down time. The following is a brief description of the vehicles and equipment being replaced.

Equipment	
JD 710G	This existing 1999 rubber tire backhoe is used on various storm sewer projects and will be replaced in FY2012. This piece of equipment is used on storm sewer projects to replace structures and pavement removal.
T300 Skidsteer	This existing 2007 T300 skidsteer is used on various storm sewer projects and will be replaced in FY2014. This universal piece of equipment is used for grading, loading, and excavating
435 Mini-Excavator	This existing 2007 435 mini-excavator is used on various storm sewer projects and will be replaced in FY2014. This piece of equipment is used for excavating trenches, replacing storm sewer tops, and breaking concrete.

Goals And Benefits

Reduce maintenance costs and down time
Increase the department's productivity

Expenditure Schedule

Total	2010/11	2111/12	2012/13	2013/14	2014/15
275,000	0	160,000	0	0	115,000

Project Funding - Transportation Trust Fund

Projected Fund Activity

	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
Beginning Fund Balance	3,254,358	2,982,683	2,998,383	2,594,983	2,751,283	2,451,483
Revenues						
Sales Tax	5,700,000	5,875,000	6,184,000	6,371,000	6,559,500	6,658,000
Grants & Contributions	13,227,000	640,800	2,409,600	3,883,200	1,504,000	588,000
Interest	66,000	70,000	70,000	70,000	70,000	70,000
TIF Reimbursement for Road Projects	2,000,000	233,000	0	233,000	0	0
Miscellaneous Revenue	10,000	10,000	10,000	10,000	10,000	10,000
Total Revenue	21,003,000	6,828,800	8,673,600	10,567,200	8,143,500	7,326,000
Expenditures						
Road Construction & Traffic Signals	15,871,155	391,000	1,555,000	4,104,000	660,000	200,000
PWS Fleet and Rolling Stock	246,600	398,000	722,500	766,000	849,900	588,500
Joint & Crack Sealing	216,000	126,000	132,000	139,000	146,000	153,000
Sidewalk Repair & Replacement Infill	100,000	100,000	100,000	100,000	100,000	100,000
Curb Repair	400,000	475,000	500,000	500,000	500,000	500,000
Asphalt Overlay	1,065,000	1,081,000	1,135,000	1,192,000	1,251,000	1,300,000
Concrete Replacement	200,000	200,000	200,000	200,000	1,200,000	2,705,000
Arterial Pavement Repair Program	0	750,000	1,640,000	967,000	1,255,000	735,000
Traffic Signal Improvements	126,000	130,000	135,000	170,000	175,000	184,000
Deicing Chemicals	95,000	147,000	151,500	155,000	159,500	164,000
Traffic Management and Construction Oversight	1,211,680	1,254,100	1,298,000	1,343,400	1,390,400	1,491,400
Other Street Maintenance Programs	30,740	88,500	85,500	102,000	84,000	84,000
Contingency	50,000	10,000	10,000	10,000	10,000	50,000
	19,612,175	5,150,600	7,664,500	9,748,400	7,780,800	8,254,900
Surplus (Deficit)	1,390,825	1,678,200	1,009,100	818,800	362,700	(928,900)
Transfer (To) Other Funds	(12,500)	(12,500)	(12,500)	(12,500)	(12,500)	(12,500)
Ending Fund Balance before Debt Service	4,632,683	4,648,383	3,994,983	3,401,283	3,101,483	1,510,083
Debt Service	1,650,000	1,650,000	1,400,000	650,000	650,000	650,000
Transfer To/(From) Reserve for Debt Service	0	0	0	0	0	0
Ending Fund Balance	2,982,683	2,998,383	2,594,983	2,751,283	2,451,483	860,083

TRANSPORTATION TRUST FUND - Capital Projects Summary

General

This fund was established following the approval of a ½¢ transportation sales tax by referendum in 1982. Under state statutes, the money from this tax may be used for construction, reconstruction, repair and maintenance of streets, roads and bridges, the acquisition of lands and right-of-way for streets, roads, and bridges and for planning and feasibility studies for streets, roads and bridges. All money from this sales tax is deposited in the City's Transportation Trust Fund.

The City Fund is also used to account for grants that also pay a portion of the project costs.

The City actively pursues grants for any projects that may qualify. In addition, the City expects to receive partial funding for several road projects from the County Road and Bridge Fund. The estimated amounts of such grants are set forth on the following table. In the event the City does not obtain its projected grant funding, several of the projects set forth in the Exhibit to this plan may be deferred or not completed.

TRANSPORTATION TRUST FUND – Street and Traffic Departments

Road Construction and Reconstruction and Traffic Signals and Intersection Geometric Modification Project

Project Description

The following sets out the funding required for the new road construction and reconstruction projects and the design and installation of traffic signals at several locations in the City of St. Peters. A detailed description of the road projects to be implemented and the locations for installation of traffic signals over the next five years is included as an exhibit to the plan.

Existing Condition

In order to meet the demands of a growing population, new streets must be constructed and existing streets must be widened and reconfigured to improve traffic flow and safety. In addition, from time to time growth and traffic flow patterns result in traffic movement or pedestrian safety problems that necessitate placement of traffic signals. Geometric modifications (changing the direction of traffic flow through the placement of traffic signals) and traffic signalization is required to move traffic efficiently.

Goals And Benefits

Establish road systems that promote safe and pleasant travel
Reduce wear and tear on vehicles traveling in St. Peters
Reduce traffic congestion and enable efficient traffic flow
Establish traffic flows and linkages that permit continued growth
Improve air quality through efficient traffic movement

Expenditure Schedule

The following table sets forth the total project cost.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
6,910,000	391,000	1,555,000	4,104,000	660,000	200,000

Transportation Trust Fund
Road Construction and Reconstruction and Traffic Signals and Intersection Geometric Modification Projects

PROJECT	ITEM	FY 10			FY 11			FY 12			FY 13			FY 14			FY 15		
		EXPENSE	REVENUE	NET	EXPENSE	REVENUE	NET	EXPENSE	REVENUE	NET	EXPENSE	REVENUE	NET	EXPENSE	REVENUE	NET	EXPENSE	REVENUE	NET
CITYWIDE TRAFFIC COORDINATION STUDY	DESIGN	225,000	216,000	9,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENHANCEMENTS/ OTHER COSTS	CONSTRUCTION	200,000	-	200,000	200,000	-	200,000	200,000	-	200,000	200,000	-	200,000	200,000	-	200,000	200,000	-	200,000
EHLMANN ROAD CONNECTION	DESIGN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EHLMANN ROAD CONNECTION	ROW	-	-	-	-	-	-	-	-	-	-	-	400,000	320,000	80,000	-	-	-	-
EHLMANN ROAD CONNECTION	UTILITY	-	-	-	-	-	-	-	-	-	-	-	120,000	96,000	24,000	-	-	-	-
EHLMANN ROAD CONNECTION	CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	810,000	648,000	162,000	-	-	-	-
EXECUTIVE CENTER PARKWAY @ BJC TRAFFIC SIGNAL	CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230,000	-	230,000	-
HARVESTER ROAD	CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNGERMANN-WILLOTT INTERSECTION	ROW	28,000	22,400	5,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNGERMANN-WILLOTT INTERSECTION	CONSTRUCTION	95,100	76,080	19,020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TETON PHASE II	CONSTRUCTION	25,500	20,400	5,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-70 - MRMD & HIGHWAY 79 INTERCHANGE STUDIES	CONSTRUCTION	200,000	180,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCGAVOCK INTERSECTION (FORMERLY WENTZWAY)	UTILITY	20,000	-	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCGAVOCK INTERSECTION (FORMERLY WENTZWAY)	CONSTRUCTION	568,700	-	568,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEXICO ROAD WIDENING (GRAND TETON TO MRMD)	DESIGN	34,500	34,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEXICO ROAD WIDENING (GRAND TETON TO MRMD)	UTILITY	135,000	135,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEXICO ROAD WIDENING (GRAND TETON TO MRMD)	CONSTRUCTION	826,500	826,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MRMD ACCESS MANAGEMENT IMPROVEMENT PLAN	CONSTRUCTION	-	-	-	420,000	-	420,000	285,000	-	285,000	-	-	-	-	-	-	-	-	-
MRMD SIGNAL AND SHOULDER REPLACEMENT	CONSTRUCTION	326,000	321,900	4,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MRMD & WILLOTT RIGHT TURN LANE	CONSTRUCTION	10,000	8,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHMES ROAD - BIRDIE HILLS SIGNAL	DESIGN	15,000	12,000	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHMES ROAD - BIRDIE HILLS SIGNAL	CONSTRUCTION	200,000	160,000	40,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUEENSBROOK @ HARVESTER INTERSECTION AND SIGNAL	CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	230,000	500,000	(270,000)	-	-	-	-
SALT RIVER ROAD EXTENSION	DESIGN	200,000	200,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD EXTENSION	UTILITY	25,500	20,400	5,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD EXTENSION	ROW	2,300,000	1,840,000	460,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD EXTENSION	MITIGATION	20,000	16,000	4,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD EMBANKMENT	CONSTRUCTION	350,000	310,000	40,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD REVEGETATION	CONSTRUCTION	120,000	96,000	24,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD BRIDGES	CONSTRUCTION	3,199,355	2,922,197	277,158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD EXTENSION, PHASE III - ROAD CONSTRUCTION	CONSTRUCTION	2,200,000	1,760,000	440,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT RIVER ROAD EXTENSION - SPENCER RD RELOCATION	CONSTRUCTION	4,500,000	4,050,000	450,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST SUNNY HILLS EXT, PHASE I	CONSTRUCTION	47,000	-	47,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST SUNNY HILLS EXT, PHASE II	MITIGATION	-	-	-	191,000	152,800	38,200	-	-	-	-	-	-	-	-	-	-	-	-
WEST SUNNY HILLS EXT, PHASE II EMBANKMENT	CONSTRUCTION	-	-	-	-	-	-	1,355,000	1,084,000	271,000	-	-	-	-	-	-	-	-	-
WEST SUNNY HILLS EXT, PHASE II	CONSTRUCTION	-	-	-	-	-	-	-	-	-	1,454,000	1,163,200	290,800	-	-	-	-	-	-
WILLOTT ROAD BRIDGE REPAIR	CONSTRUCTION	-	-	-	-	-	-	-	-	-	1,100,000	880,000	220,000	-	-	-	-	-	-
GRAND TOTAL		15,871,155	13,227,377	2,643,778	811,000	152,800	658,200	1,840,000	1,084,000	756,000	4,104,000	3,123,200	980,800	660,000	500,000	160,000	200,000	-	200,000

TRANSPORTATION TRUST FUND – Street and Traffic Departments

Vehicle Replacement and Additions

Project Description

This project involves the replacement of vehicles used by the City's General Fund departments. The project is intended to establish a replacement cycle that matches the life cycle of the vehicles

	Expected					
	Life					
	In Yrs.	2010/11	2011/12	2012/13	2013/2014	2014/15
<u>Vehicles</u>						
Sedan	4	0	0	20,000	0	0
¾-Ton Trucks	8	0	27,000 (505)	0	0	39,000 (303)
1-Ton Trucks	7-10	44,000 (337)	45,000 (334)	72,000 (333)	74,200 (331)	75,000 (330)
1-Ton Bucket Truck	10	95,000 (532)	0	0	0	0
2-Ton Dump Trucks	12	0	126,000 (343)	129,000 (345)	131,000 (344)	145,000 (329)
Tandem Dump Truck	14	0	138,000 (351)	0	146,000 (350)	0
Total		139,000	336,000	221,000	351,200	259,000

Existing Condition

The Street and Traffic Departments, a division of the Public Works Services Group, maintains St. Peter's 461 lane miles of streets and 65 signalized intersections. Responsibilities include maintenance of asphalt and concrete streets, curbs, sidewalks, traffic signals, streetlights, and crack sealing. In addition, the department is responsible for snow and ice removal.

Replacement of vehicles and equipment on a life cycle basis, ensures the provision of continuous efficient service and reduces maintenance costs and down time. The following is a brief description of the vehicles and equipment being replaced.

Vehicles	
Mid/Full Size Sedans	Scheduled for replacement as part of the City's fleet replacement schedule. The sedans scheduled for replacement are car 689-HSS in 2012/13.
¾-Ton Trucks	Scheduled for replacement as part of the City's fleet replacement schedule. ¾-ton trucks scheduled for replacement include 505 in 20011/12. The truck is used by Traffic supervisors to inspect and coordinate department activities.
1-Ton Trucks	Scheduled for replacement as part of the City's fleet replacement schedule. 1-ton trucks scheduled for replacement include 337 in 2010/11, 334 in 2011/12, 333 in 2012/13, and 331 in 2013/14. The Street department operates these trucks for general hauling, maintenance projects, and snow and ice control operations.
1-Ton Bucket Truck	Scheduled for replacement as part of the City's fleet replacement schedule. The 1-ton truck scheduled for replacement is 532 in 2010/11. The trucks are operated by the Traffic Department to perform traffic signal, sign and street light maintenance.
2 Ton Dump Trucks	Scheduled for replacement as part of City's fleet replacement schedule. 2-ton trucks scheduled for replacement include, 347 in 2009/10, 343 in 2011/12, 345 in 2012/13, and 344 in 2013/14. The Street department operates these trucks for general hauling and snow and ice control operations.
5 Ton Dump Truck	Scheduled for replacement as part of City's fleet replacement schedule. 5-ton trucks scheduled for replacement are 351 in 2011/12 and 350 in 2013/14. The trucks are operated by the street department for general hauling and snow and ice control operations.

Goals And Benefits

Reduce maintenance costs and down time

Provide safe and clean streets

Permit continuous and efficient road and signal maintenance by the City rather than contracting out services.

Increase the department's productivity.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2013/15
1,306,200	139,000	336,000	221,000	351,200	259,000

TRANSPORTATION TRUST FUND – Street and Traffic Departments

Rolling Stock and Equipment Replacement and Additions

Project Description

This project involves the replacement of rolling stock and equipment used by the Street and Traffic Departments. The project is intended to establish a replacement cycle that matches the life cycle of the vehicles and equipment. The project also describes equipment or vehicles to be added. The following table sets forth the vehicles and equipment to be acquired that have an acquisition cost in excess of \$50,000. License number of truck or equipment to be replaced shown in ().

	Expected					
	Life					
	In Yrs.	2010/11	2011/12	2012/13	2013/14	2014/2015
<u>Equipment</u>						
Skid Steer	7	0	42,500	0	0	46,500
V-Box Salt Spreaders	10	0	8,000	24,000	0	24,000
Front End Loader	15	120,000	0	0	0	0
Asphalt Paver	10	0	0	300,000	0	0
10 Ton Roller	15	0	0	0	95,000	0
5 Ton Roller	15	0	0	0	52,500	0

Existing Condition

The Street and Traffic Departments, a division of the Public Works Services Group, maintains St. Peter's 487 lane miles of streets and 72 signalized intersections. Responsibilities include maintenance of asphalt and concrete streets, curbs, sidewalks, traffic signals, streetlights, and crack sealing. In addition, the department is responsible for snow and ice removal.

Replacement of vehicles and equipment on a life cycle basis, ensures the provision of continuous efficient service and reduces maintenance costs and down time. The following is a brief description of the vehicles and equipment being replaced.

<u>Equipment</u>	
Skid Steer	Scheduled for replacement as part of the Street Department's equipment replacement schedule. Skid Steers are scheduled for replacement in 2012/13 and 2014/15. Skid steer operated by the Street Department to perform various maintenance operations.

V-Box Salt Spreaders	Scheduled for replacement as part of the Street Department's equipment replacement schedule. V-box spreaders scheduled for replacement include one 2.1 cubic yard spreader in 2009/2010, one 2.1 cubic yard spreader in 2011/12, three 2.1 cubic yard spreader in 2012/13 and three 2.1 cubic yard spreaders in 2014/15.
Front End Loader	Purchase of new front end loader in 2010/11 to perform truck loading and material handling, assist with snow and ice control operations, and assist with asphalt resurfacing and park projects.
Asphalt Paver	Scheduled for replacement as part of the Street Departments' equipment replacement schedule. The current asphalt paver was purchased in 2003. The actual cost the unit is estimated at \$350,000. A salvage value of \$50,000 is anticipated in 2012/13, reducing the purchase cost to \$300,000.
10 Ton Roller	Scheduled for replacement as part of the Street Department's equipment replacement schedule. The 10-ton roller was purchased in 1999. The roller is used for asphalt resurfacing operations.
5 Ton Roller	Scheduled for replacement as part of the Street Departments' equipment replacement schedule. The current 5-ton roller was purchased in 1999. The roller is used for asphalt resurfacing and concrete pavement replacement operations.

Goals And Benefits

Reduce maintenance costs and down time

Provide safe and clean streets

Permit continuous and efficient road and signal maintenance by the City rather than contracting out services.

Increase the department's productivity.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
712,500	120,000	50,500	324,000	147,500	70,500

TRANSPORTATION TRUST FUND – Street Department

Joint and Crack Sealing

Project Description

This project involves the periodic sealing of joints and cracks in concrete and asphalt pavements.

Existing Condition

There are currently 487 lane miles (213 centerline miles) of pavement in the City of St. Peters. As pavement ages, random cracks form and the joint sealant installed between concrete slabs deteriorates, requiring replacement to prevent further damage caused by water penetration to the subgrade. To keep water from causing further damage to the pavements, crack sealing is a good preventive maintenance measure used to extend the service life of pavements. The current budget allows for the sealing of joints and cracks along approximately 112,500 centerline lineal feet of concrete and asphalt pavement annually. Sealing of joints and cracks along 112,500 centerline lineal feet of pavement annually is required to achieve a 10 year service life, which is the program goal.

Goals and Benefits

Seal 112,500 centerline feet of pavement per year to obtain a 10-year service life.
Extend Pavement Service Life
Maintain Roads for Safe and Pleasant Travel
Prevent further deterioration of pavements requiring more costly repairs.

Expenditure Schedule

The following table sets forth the amount of funding to be provided by the City.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
696,000	126,000	132,000	139,000	146,000	153,000

TRANSPORTATION TRUST FUND – Street Department

Sidewalk Repair/Sidewalk Infill

Project Description

This project involves the repair of existing sidewalks, the upgrading of existing handicap ramps to current Americans with Disabilities Act (ADA) standards, and the construction of new concrete sidewalks facilities. New development, population growth and aging infrastructure are all factors that affect the need for these improvements. The City will seek to leverage these funds to complete larger sidewalk infill projects through available funding sources such as MoDOT's Safe Routes to School program or East-West Gateway's STP-Enhancement program.

Existing Condition

There are currently 81 miles 427,680 lineal feet) of sidewalks maintained by the City of St. Peters. These sidewalks deteriorate as they age, making periodic repair and replacement necessary to ensure safe pedestrian travel and maintain neighborhood aesthetics and property values. In addition, some sidewalks are not compliant with current ADA standards, and require the installation of handicap ramps.

Goals and Benefits

Provide sidewalks for safe and pleasant passage by pedestrians
Bring the sidewalk network into compliance with ADA standards.
Maintain property values
Maintain St. Peters as an aesthetically pleasing place to live

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
500,000	100,000	100,000	100,000	100,000	100,000

TRANSPORTATION TRUST FUND – Street Department

Curb Repair

Project Description

This project involves the replacement of concrete curb and gutter as required to maintain proper storm water drainage and perform asphalt overlays of City of St. Peters' maintained streets.

Existing Condition

There are currently 190 lane miles (83.01 centerline miles) of asphalt streets maintained by the City of St. Peters, containing over 166.02 miles (876,586 lineal feet) of concrete curb and gutter. As these asphalt streets age, resurfacing in the form of asphalt overlay is required. A key component of a successful asphalt overlay operation is the replacement of damaged curb and gutter sections prior to the start of overlay operations. In addition, regular maintenance of curb and gutter systems helps to maintain the service life of the pavement. The current budget allows for the replacement of 23,750 lineal feet of concrete curb and gutter annually. Removal and replacement of 24,350 lineal feet annually is required to achieve a 36-year service life for concrete curb and gutter, which is the program goal.

Goals and Benefits

Remove and replace 24,350 lineal feet of damaged curb and gutter per year to obtain a 36-year service life
Maintain proper storm water drainage.
Aid in facilitating successful asphalt overlay operations.
Maintain property values and the City of St. Peters as an aesthetically pleasing place to live.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
2,475,000	475,000	500,000	500,000	500,000	500,000

TRANSPORTATION TRUST FUND – Street Department

Asphalt Overlay

Project Description

The Street Division of the Public Works Group is responsible for the maintenance of approximately 83.01 centerline miles of asphalt streets. Each year an assessment is made of the street conditions compared to ratings recorded the year before to determine the streets to be repaired.

Existing Condition

There are currently 190 lane miles (1,337,600 square yards) of asphalt streets maintained by the City of St. Peters. As asphalt pavement ages, the pavement surface begins to deteriorate. Asphalt overlays restore their surface integrity before damage is done to the subsurface, which is a more costly repair. To determine needs, the City developed a computerized pavement maintenance management system to enable a citywide assessment of streets. The current budget allows for resurfacing of approximately 112,000 square yards of asphalt pavement annually using City forces. Resurfacing of 111,500 square yards annually is required to achieve a 12-year service life for asphalt pavement, which is the program goal.

Goals And Benefits

Resurface 111,500 square yards of asphalt pavement per year to obtain a 12-year pavement service life
Reduce wear and tear on vehicles traveling in St. Peters
Maintain property values and the City of St. Peters as an aesthetically pleasing place to live.
Establish necessary road repair programs that prevent further deterioration and substantially more costly repairs

Expenditure Schedule

The following table sets forth the minimum funding required for this project.

Total	2010/11	2011/12	2012/13	2013/2014	2014/2015
5,959,000	1,081,000	1,135,000	1,192,000	1,251,000	1,300,000

TRANSPORTATION TRUST FUND – Street Department

Concrete Street Replacement

Project Description

This project involves the repair and replacement of concrete streets. Each year an assessment is made of the street conditions compared to ratings recorded the year before to determine the streets to be repaired.

Existing Condition

The Street Division of the Public Works Group is responsible for the maintenance of approximately 297 lane miles (2,090,900 square yards) of concrete pavement. Many of the City's concrete roadways are in need of repair due to reaching the end of their service life. To determine replacement and repair needs, the City developed a computerized pavement maintenance management system to enable a citywide assessment of streets. The current budget allows for replacement of approximately 13,900 square yards of defective concrete pavement annually. Removal and replacement of 59,750 square yards annually is required to achieve a 35-year service life for concrete pavement, which is the program goal.

In order to address the growing concrete pavement replacement needs, the City of St. Peters is authorizing the sale of bonds to be used in the next three years. The City plans to replace 117,000 square yards of pavement in 2010 and 41,500 square yards in both 2011 and 2012. The expected financial commitment is \$6 million.

Goals and Benefits

Remove and replace 59,750 square yards of damaged concrete pavement per year to obtain a 35-year pavement service life
Reduce wear and tear on vehicles traveling in St. Peters
Maintain property values and the City of St. Peters as an aesthetically pleasing place to live.
Prioritize and accelerate road repair programs thereby avoiding further deterioration and substantially more costly repairs

Expenditure Schedule

The following table sets forth the minimum funding required for this project.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
4,505,000	200,000	200,000	200,000	1,200,000	2,705,000

TRANSPORTATION TRUST FUND – Street Department

Arterial Pavement Repair Program

Project Description

Project involves the asphalt overlay and/or concrete slab replacement for arterial streets with the City of St. Peters utilizing grant funding available through the East/West Gateway Coordinating Council, as part of the Transportation Improvement Program (TIP). East/West Gateway administers funding for qualifying projects, up to 80% of the estimated project cost. The project sponsor is responsible for the remaining 20% of the project cost and for any cost overruns. Said TIP funds are available annually, with the application process beginning several years prior to funds being available.

All of the projects recommended for consideration were selected utilizing the City's pavement management program.

Project	2010/11	2011/12	2012/13	2013/14	2014/15
Mid Rivers Mall Drive Resurfacing (I-70 to Mexico Road)	750,000	0	0	0	0
Ohmes Road Resurfacing (Birdie Hills Road to St. Peters-Cottleville Road)	0	690,000	0	0	0
Mid Rivers Mall Drive Resurfacing II (Mexico Road to Fairfax Drive)	0	0	967,000	0	0
Jungermann Road Resurfacing (Willott Road to McClay Road)	0	950,000	0	0	0
Willott Road Resurfacing Kimberly Lane to Mid Rivers Mall Drive)	0	0	0	455,000	0
Mexico Road Resurfacing (Spencer Road to Grand Teton)	0	0	0	800,000	0
Willott Road Resurfacing II (Kimberly Lane to Jungermann Road)	0	0	0	0	735,000

Existing Conditions

The City of St. Peters has over 35 lane miles of arterial asphalt and concrete streets. All projects listed above have a pavement rating of 6 or lower.

Project	Description
Mid Rivers Mall Drive Resurfacing (I-70 to Mexico Road)	Project involves the replacement of damaged concrete pavement and diamond grinding of the pavement surface from I-70 to McMenemy Road, and asphalt resurfacing from McMenemy Road to Mexico Road. The total project cost is \$750,000, of which \$488,000 is federally funded in 2010-11.
Ohmes Road (Birdie Hill Road to St. Peters-Cottleville Road)	Project involves the milling and asphalt overlay of Ohmes Road, concrete curb repair and sidewalk repair. The total project cost is 690,000, of which \$552,000 is federally funded in 2011-12.
Mid Rivers Mall Drive (Mexico Road to Willott Road)	Project involves the replacement of damaged concrete pavement and diamond grinding of the pavement surface. The total project cost is \$967,000, of which \$773,600 will be submitted for federal funding
Jungermann Road Resurfacing (Willott Road to McClay Road)	Project involves the replacement of damaged concrete pavement and diamond grinding of the pavement surface. The total project cost is \$950,000, of which \$760,000 is federally funded in 2011-12.
Willott Road Resurfacing (Mexico Road to Jungermann Road)	Project involves the replacement of damaged concrete pavement and diamond grinding of the pavement surface. The total project cost is \$455,000, of which \$364,000 will be submitted for federal funding.
Mexico Road Resurfacing (Spencer Road to Grand Teton)	Project includes the milling and asphalt overlay of Mexico Road, concrete curb and gutter repair and sidewalk repair. Total project cost is estimated at \$800,000 of which, \$640,000 will be submitted for federal funding.
Willott Road Resurfacing II (Kimberly Lane to Jungermann Road)	Project involves the replacement of damaged concrete pavement and diamond grinding of the pavement surface. The total project cost is \$735,000, of which \$588,000 will be submitted for federal funding.

Goals and Benefits

- Improve the structure and quality of arterial streets in the City of St. Peters.
- Utilize available transportation funding programs to supplement City roadway maintenance costs.
- Maintain St. Peters as an aesthetically pleasing place to live.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
5,347,000	750,000	1,640,000	967,000	1,255,000	735,000

TRANSPORTATION TRUST FUND – TRAFFIC DEPARTMENT

Traffic Signal Capital Improvements

Project Description

The project involves the periodic replacement of traffic signal components, such as controllers, vehicle detection hardware, pan/tilt/zoom cameras, communication equipment, battery backup systems and controller cabinets. The replacements are performed based on useful life cycles and technology obsolescence.

Existing Conditions

The City of St. Peters operates and maintains 72 signalized intersections throughout the City of St. Peters. The signals and related components range in age from 25 years to 1 year.

Goals and Benefits

Maintain the safe operations of the City's traffic signal system and the safety the traveling public.
Reduce congestion on City signalized roadways.
Reduce staff time required to maintain traffic signals and respond to traffic problems.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
794,000	130,000	135,000	170,000	175,000	184,000

TRANSPORTATION TRUST FUND – TRAFFIC DEPARTMENT

Deicing Chemicals

Project Description

The annual purchase of deicing chemicals, such as rock salt and calcium chloride, for use during snow and ice control operations.

Existing Conditions

The City of St. Peters maintains 487 lane miles (213 centerline miles) of road ways. During snow and ice events various deicing and ice control chemicals are required to maintain safe use of these roadways. The City has the capacity to store 5,500 tons of rock salt, 5,000 gallons of liquid calcium chloride and 5,000 gallons of salt brine.

Goals and Benefits

Maintain the safe travel through the City's roadway system.
Cost effectively purchase required chemicals in bulk amounts.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
777,000	147,000	151,500	155,000	159,500	164,000

Project Funding - Central Materials Processing Facility Fund

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Balance	\$1,124,005	\$941,903	\$747,903	\$576,503	\$304,003	\$129,603
Revenues						
Tipping Revenue	1,989,100	2,069,100	2,151,900	2,237,500	2,326,100	2,417,900
Blue Bag Revenue	558,500	565,200	572,000	578,900	585,800	671,300
Recycling Revenue	750,000	850,000	875,000	900,000	925,000	950,000
Earth Centre Revenue	295,400	300,000	307,500	315,200	323,100	331,100
Other	37,500	35,000	35,000	35,000	35,000	35,000
Total Revenues	3,630,500	3,819,300	3,941,400	4,066,600	4,195,000	4,405,300
Expenses						
Operating	3,437,852	3,601,300	3,720,800	3,844,100	3,971,400	4,102,900
Allocation of Administrative Overhead	340,000	300,000	300,000	300,000	300,000	300,000
Capital	9,750	87,000	67,000	170,000	73,000	73,000
Total Expenses	3,787,602	3,988,300	4,087,800	4,314,100	4,344,400	4,475,900
Income (Loss)	(157,102)	(169,000)	(146,400)	(247,500)	(149,400)	(70,600)
Transfer From (To) Reserves	0	0	0	0	0	0
Transfer From (To) Other Funds	(25,000)	(25,000)	(25,000)	(25,000)	(25,000)	(25,000)
Ending Balance	\$941,903	\$747,903	\$576,503	\$304,003	\$129,603	\$34,003

CENTRAL MATERIALS PROCESSING FACILITY FUND – Capital Project Summary

General

The City operates a Central Materials Processing Facility. Through the sale of recovered materials, the facility is intended to be a self-supporting enterprise. The goal of the City is to continue to operate the facility on a break-even basis.

Capital Expenditures

	2010/11	2011/12	2012/13	2013/14	2014/15
Rolling Stock and Equipment	0	32,000	160,000	38,000	0
Replace Scale	62,000	0	0	0	0
Miscellaneous Items Under \$50,000	25,000	35,000	10,000	35,000	35,000
TOTAL	87,000	67,000	170,000	73,000	35,000

HES - CMPF

Rolling Stock and Equipment Replacement Additions

Project Description

This project involves the replacement of rolling stock and equipment used by the City. The project is intended to establish a replacement cycle that matches the life cycle of the vehicles and equipment. The project also describes equipment or vehicles to be added. The following table sets forth the vehicles and equipment to be acquired that have an acquisition cost in excess of \$50,000.

Capital Expenditures

	Expected Life	2010/11	2011/12	2012/13	2013/14	2014/15
Equipment						
Front Wheel Loader L90E Volvo, 03, and Case 97	10,000 hours	0	0	160,000	0	0
Front Wheel Loader JD 4245, 08	6,000 hours	0	0	0	0	0
Bobcat (B)/Forklift (F)	5 years	0	32,000(F)	0	38,000 (B)	0
TOTAL		0	32,000	160,000	38,000	0

Existing Condition

Equipment	
Front Wheel Loader, Volvo	To replace wheel loader 03 (Volvo) with an equivalent unit. The existing wheel loader will reach its expected life cycle in 2012/13. This loader is used continuously to push, move, and load MSW. Keep present JD loader as a spare; and use two loaders during heavy MSW flow. Includes tires and bucket.
Front Wheel Loader, JC	To move the existing wheel loader (JD) to back-up in 2012/13. Includes tires and bucket.
Bobcat/Forklift	To replace bobcat and/or forklift. This equipment moves materials for baling and sale. Forklift 11/12 and Bobcat 08/09 and 2013/14.

Goals and Benefits

Minimize operating and maintenance costs
Replace on normal life cycle schedule
Increase the department's productivity

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
230,000	0	32,000	160,000	38,000	0

HES - CMPF

Replace Scale at CMPF

Project Description

To replace the Scale House above ground scale. This equipment weighs all incoming trash and some yard waste loads for billing and tonnage purposes

Existing Conditions

The original Cardinal CMPF scale was purchased in early 1997 and recently has been exceeding the variances allowed by the Missouri Weights and Measurement Standards. In addition, the support rods are not repairable.

Goals and Benefits

Ensure compliance with Missouri Weights and Measurement Standards.
Reduce scale downtime.
Upgrade the scale for durability for heavy loads.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
62,000	62,000	0	0	0	0

Project Funding - Recreation Fund

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Balance	\$73,624	\$74,624	\$81,224	\$117,824	\$226,124	\$266,624
Revenues						
Rec-Plex Revenue	4,616,150	5,160,000	5,255,600	5,353,100	5,452,500	5,553,800
General Recreation Revenue	513,900	529,600	537,400	545,300	553,300	561,500
Golf Course Revenue	895,000	800,000	828,000	847,500	867,500	887,900
Endowment Revenue	90,000	220,000	195,000	105,000	250,000	110,000
Total Revenues	6,115,050	6,709,600	6,816,000	6,850,900	7,123,300	7,113,200
Expenses						
Operating	4,258,880	4,345,200	4,433,300	4,523,100	4,614,800	4,708,400
Capital	19,570	0	50,000	0	0	50,000
Capital – Natatorium Foundation Funded	90,000	220,000	195,000	105,000	250,000	110,000
Golf Course Expense	967,600	829,800	838,100	846,500	855,000	863,500
Total Expenses	5,336,050	5,395,000	5,516,400	5,474,600	5,719,800	5,731,900
Income (Loss)	779,000	1,314,600	1,299,600	1,376,300	1,403,500	1,381,300
Debt Service	(1,440,000)	(1,585,000)	(1,440,000)	(1,445,000)	(1,440,000)	(1,440,000)
Transfer From (To) Reserves	0	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
Transfer From (To) Other Funds	(18,000)	(18,000)	(18,000)	(18,000)	(18,000)	(18,000)
Transfer From (To) General Fund	680,000	300,000	200,000	200,000	100,000	0
Ending Balance	74,624	81,224	117,824	226,124	266,624	184,924

Project Funding - Recreation Fund Golf Course

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Balance	\$73,624	\$131,024	\$101,224	\$91,124	\$92,124	\$104,624
Revenues						
Green Fees	495,000	450,000	465,700	477,400	489,300	501,600
Cart Fees	139,000	120,000	124,200	127,300	130,500	133,800
Pro Shop	60,000	45,000	46,600	47,500	48,500	49,400
Banquet	32,000	32,000	33,100	33,800	34,500	35,100
Snack Bar	149,000	135,000	139,700	142,500	145,400	148,300
Other	20,000	18,000	18,700	19,000	19,300	19,700
Total Revenues	895,000	800,000	828,000	847,500	867,500	887,900
Expenses						
Operating	821,600	829,800	838,100	846,500	855,000	863,500
Capital	146,000	0	0	0	0	0
Total Expenses	967,600	829,800	838,100	846,500	855,000	863,500
Income (Loss)	(72,600)	(29,800)	(10,100)	1,000	12,500	24,400
Transfer From (To) Reserves	0	0	0	0	0	0
Transfer From (To) General Fund	130,000	0	0	0	0	0
Ending Balance	131,024	101,224	91,124	92,124	104,624	129,024

RECREATION FUND – Capital Project Summary

General

The City's recreation fund is a special revenue fund used to account for revenues restricted for recreation purposes.

Capital Expenditures

	2010/11	2011/12	2012/13	2013/14	2014/2015
REC-PLEX	0	50,000	0	0	50,000
Natatorium Foundation Funded Equipment	220,000	195,000	105,000	250,000	110,000
Total	220,000	245,000	105,000	250,000	160,000

RECREATION FUND – Recreation

REC-PLEX Cardio Equipment Replacement

Project Description

Replace certain pieces of cardio equipment due to wear. Provide the latest state of the art exercise equipment.

Existing Condition

The existing cardio equipment will be over 5 years old and will need to be replaced due to wear.

Goals And Benefits

Continue to provide state of the art exercise equipment.
Eliminate equipment that requires frequent maintenance.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/2015
100,000	0	50,000	0	0	50,000

RECREATION FUND – Recreation

Capital Expenditures – Natatorium Foundation Funded Projects

	2010/11	2011/12	2012/13	2013/14	2014/015
Energy Management System	0	0	10,000	0	
Lane reel replacements	0	15,000			
Replace Pool Slide	0	180,000	0	0	
UV sanitizer for 50m pool and controls for 50m, leisure pool and hot tub	0				
Replace City Logo Signage	0		0	0	
Replace sand filters	220,000	0	0	0	
Replace starting blocks	0	0	75,000	0	
Replace water softener	0	0	20,000	0	
Replace scoreboard	0	0	0	250,000	
Replace Pool Pak					110,000
TOTAL	220,000	195,000	105,000	250,000	110,000

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
880,000	220,000	195,000	105,000	250,000	110,000

Project Funding - Solid Waste Fund

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Balance	\$600,471	\$496,874	\$598,574	\$398,874	\$431,674	\$365,674
Revenues						
Collections	3,481,800	3,728,300	3,837,500	3,948,400	4,060,800	4,017,800
Interest and Other	70,300	70,000	70,000	70,000	70,000	70,000
Total Revenues	3,552,100	3,798,300	3,907,500	4,018,400	4,130,800	4,087,800
Expenses						
Operating	3,719,865	3,875,600	4,133,200	4,225,600	4,426,800	4,384,000
Allocation of Administrative Overhead	360,000	360,000	360,000	360,000	360,000	360,000
Capital	747,832	633,000	786,000	572,000	582,000	730,000
Total Expenditures	4,827,697	4,868,600	5,279,200	5,157,600	5,368,800	5,474,000
Income (Loss)	(1,275,597)	(1,070,300)	(1,371,700)	(1,139,200)	(1,238,000)	(1,386,200)
Transfer From (To) Reserves Collection Rebates	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
Transfer From (To) Other Funds	(28,000)	(28,000)	(28,000)	(28,000)	(28,000)	(28,000)
Ending Balance	496,874	598,574	398,874	431,674	365,674	151,474

SOLID WASTE FUND – Capital Project Summary

General

The City's solid waste fund is an enterprise fund. Enterprise Funds are used to account for operations that are financed and operated in a manner similar to private business enterprises – where the intent of the governing body is that the cost of providing goods or services to the general public on a continuing basis is to be financed or recovered primarily through user charges.

Capital Expenditures

	2010/11	2011/12	2012/13	2013/14	2014/15
Rolling Stock Replacement and Additions	480,000	720,000	470,000	480,000	290,000
Solid Waste Containers	123,000	36,000	72,000	72,000	410,000
Miscellaneous Items Under \$50,000	30,000	30,000	30,000	30,000	30,000
TOTAL	633,000	786,000	572,000	582,000	730,000

SOLID WASTE FUND

Rolling Stock and Equipment Replacement Additions

Project Description

This project involves the replacement of rolling stock and equipment used by the Solid Waste Department and the addition of vehicles required to continue providing efficient services. The project is intended to establish a replacement cycle that matches the life cycle of the vehicles and equipment. The following table sets forth the vehicles and equipment to be acquired that have an acquisition cost in excess of \$50,000.

Capital Expenditures

	Expected Life in Yrs.	2010/11	2011/12	2012/13	2013/14	2014/15
Vehicles						
Yard Waste Vehicles	7	440,000 (N, 952)	450,000 (957, 961)	230,000 (955)	235,000 (970)	0
Automated Side Loader Trash Trucks	7	0	(N) 235,000	240,000	245,000	250,000
Flat Can Deliver, Pick up	8	40,000	0	0	0	0
¾ Ton Truck	10	0	35,000 (911)	0	0	40,000 (906)
TOTAL		480,000	720,000	470,000	480,000	290,000

Existing Condition

Vehicles	
Yard Waste Vehicles	The yard waste carts are popular and require an automated truck to be more efficient. Routes currently run 2 days per week. Season is 46 weeks per year (88%). Existing residential participation increases each year.
Automated Side Loader Trash Trucks	When trucks reach the end of their useful life, they must be replaced. Currently, the back-ups are experiencing frequent breakdowns, which result in high maintenance cost and oil leaks. The older trucks also present a safety concern for our drivers. Due to customer growth, a new route will be added in 2011/12.
Flat Can Deliver, Pick up	To purchase a replacement flat bed truck and chassis for can delivery in 2010/11 and replacement pick up in 2011/12 and 2014/15.

Goals and Benefits

Solid waste collection vehicles permit the city to perform collection services rather than contracting with private haulers.
 City collection conforms to noise and dumpster repair standards.
 Replacement of vehicles on a life-cycle basis reduces maintenance costs and down time.
 Increase Solid Waste department's productivity.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
2,440,000	480,000	720,000	470,000	480,000	290,000

SOLID WASTE FUND

Containers

Project Description

This project involves the replacement of containers used by the Solid Waste Department required to continue providing efficient services. The project is intended to establish a replacement cycle that matches the life cycle of the containers. The following table sets forth the containers to be acquired.

Capital Expenditures

	Expected Life in Yrs.	2010/11	2011/12	2012/13	2013/14	2014/15
Metal and/or Plastic Containers MFL, Commercial		30,000	10,000	10,000	10,000	10,000
Roll-Off Containers		0	0	0	10,000	0
Containers, Recycling		15,000	0	10,000	0	10,000
60 & 90 Gallon Containers		52,000	0	26,000	26,000	0
Yard Waste Containers		26,000	26,000	26,000	26,000	390,000
TOTAL		123,000	36,000	72,000	72,000	410,000

Existing Condition

The Solid Waste department is responsible for solid waste collection and disposal for more than 17,000 single-family and 4,000 multi-family residential customers. To ensure the continuous efficient provision of City service, containers must be replaced on a damage basis. In addition, containers must be added as necessary to meet the needs of population growth. There are currently 3,000 yard waste accounts.

Metal and/or Plastic Containers MFL, Commercial	To purchase 2, 4, 6 and 8 cubic yard containers for use with multi-family and commercial collection. Multi-family housing growth is planned for 2011 through 2015. Commercial growth is associated with Premier Business Park
Roll-Off Containers	Purchase 20, 30, and 40 cubic yard roll-off containers, including receiver boxes to supplement existing inventory

Containers, Recycling	Purchase containers for efficient collection of cardboard, newspaper, or containers.
60 & 90 Gallon Containers	Purchase 35, 60 and 90-gallon size trash containers. For warranty and non-warranty replacements and new housing accounts.
Yard Waste Containers	Purchase 100-gallon, vented yard waste carts. For automated yard waste collection, offset by a monthly service fee.

Goals and Benefits

Provide solid waste service to multi-family residences.

Provide bulky service to residents and businesses, including compacted bulk trash pickup from large commercial sources.

Improves delivery of services to public.

Serve commercial customers and increase the number of commercial customers.

Expenditure Schedule

Total	2010/11	2011/12	2012/13	2013/14	2014/15
713,000	123,000	36,000	72,000	72,000	410,000

Project Funding - Water/Sewer Fund

Projected Fund Activity

	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
Beginning Balance- Contingency	\$1,304,289	\$389,074	\$292,264	\$326,774	\$556,974	\$1,133,574
Revenues						
Water Revenue	\$4,155,000	\$4,273,990	\$4,402,210	\$4,534,300	\$4,670,300	\$4,810,400
Sewer Revenue	3,400,000	3,502,000	3,607,100	3,715,300	3,826,700	3,941,500
Interest Income	65,000	150,000	150,000	150,000	150,000	150,000
Other	1,415,200	1,586,500	1,731,300	1,890,600	2,065,700	2,258,000
Total Revenues	9,035,200	9,512,490	9,890,610	10,290,200	10,712,700	11,159,900
Expenses						
Operating	6,871,715	6,591,400	6,762,500	6,938,500	7,119,400	7,305,300
Allocation of Administrative Overhead	342,000	390,000	390,000	390,000	390,000	390,000
Capital	857,900	331,000	300,000	395,000	269,000	285,000
Major Maintenance	0	455,000	460,000	290,000	200,000	465,000
Debt Service	1,750,000	1,750,000	1,840,000	1,950,000	2,050,000	2,130,000
Total Expenses	9,821,615	9,517,400	9,752,500	9,963,500	10,028,400	10,575,300
Income (Loss)	(786,415)	(4,910)	138,110	326,700	684,300	584,600
Transfer From (To) Reserves	(82,300)	(45,400)	(57,100)	(50,000)	(61,200)	(70,900)
Transfer From (To) Other Funds	(46,500)	(46,500)	(46,500)	(46,500)	(46,500)	(46,500)
Ending Balance - Contingency	\$389,074	\$292,264	\$326,774	\$556,974	\$1,133,574	\$1,600,774

WATER/SEWER FUND – Capital Project Summary

General

The City's water/sewer fund is an enterprise fund. Enterprise Funds are used to account for operations that are financed and operated in a manner similar to private business enterprises - where the intent of the governing body is that the cost of providing goods or services to the general public on a continuing basis is to be financed or recovered primarily through user charges.

Capital Expenditures

The following table sets forth the projects that are to be financed annually with funds generated in the waterworks and sewerage-operating fund.

	2010/11	2011/12	2012/13	2013/14	2014/15
Rolling Stock and Equipment Replacements and Additions	211,000	180,000	275,000	149,000	165,000
Water Meter Replacement Program	120,000	120,000	120,000	120,000	120,000
Total	331,000	300,000	395,000	269,000	285,000

Major Maintenance

The following table sets forth the projects that are to be financed annually with funds from the waterworks and sewerage fund.

	2010/11	2011/12	2012/13	2013/14	2014/15
Sanitary Sewer Rehabilitation or Replacement	200,000	200,000	200,000	200,000	200,000
Water Storage Tank Repair and Maintenance	255,000	260,000	90,000	0	265,000
Total	455,000	460,000	290,000	200,000	465,000

WATER/SEWER FUND - Utilities Department

Rolling Stock and Equipment Replacement and Additions

Project Description

This project involves the replacement of rolling stock and equipment used by the Utilities Department. Vehicles and equipment are to be replaced on a cycle that matches the life of the assets. The following table sets forth the vehicles and equipment to be acquired that have an acquisition cost in excess of \$50,000. A miscellaneous line item represents vehicles and equipment items with a value of less than \$50,000.

	Expected					
	Life					
	In Yrs.	2010/11	2011/12	2012/13	2013/14	2014/15
Vehicles						
Sedan - New	5	15,000	0	0	0	0
¾ Ton Truck	8	0	50,000 (409)	0	38,000 (412)	0
¾ Ton Truck	7	0	50,000 (433)	0	0	0
½ Ton Truck	10	0	0	50,000 (410, 411)	0	0
¼ Ton Truck	10	15,000 (417)	0	15,000 (416)	15,000 (415)	
1 Ton Truck	10	0	0	0	71,000 (422)	0
Sanitary Sewer TV Truck	10	0	0	185,000 (434)	0	0
Equipment						
2000 Mini-Track Excavator 341	10	75,000	0	0	0	0
6-inch Trash Pump	15	40,000	0	0	0	0
Earth Center Skid Steer	8	41,000	0	0	0	0
T-250 Skid Steer	7	0	55,000	0	0	0
Trommel Screener	10	0	0	0	0	140,000
Miscellaneous		25,000	25,000	25,000	25,000	25,000

TOTAL		211,000	180,000	275,000	149,000	165,000
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Existing Condition

The Utility Department is responsible for the maintenance of the City's water and sewer infrastructure that includes a 6.0 mgd water plant, over 229 miles of distribution system, a 9.5 mgd wastewater treatment plant, and over 217 miles of collection system. In addition, the department is responsible for the construction of new water mains. Replacement of vehicles and equipment on a life cycle basis, ensures the provision of continuous efficient service and reduces maintenance costs and down time. The following is a brief description of the vehicles and equipment to be replaced or acquired:

<u>Vehicles</u>	
Vehicles	To account for vehicles under \$50,000 that will be needed during the year.
<u>Equipment</u>	
Mini-Excavator 341	This will be a replacement of the 2000 mini-excavator 341. This piece of equipment is used for 8-inch water line construction projects and water main and service line repairs.
Rubber-tired loader to replace JD TC54H	Replace existing 2000 Earth Center loader in normal replacement cycle near 10,000 hours of running time. This loader is used to handle materials at the Earth Centre.
6" Trash Pump	This pump replaces the existing pump used in flood-fight operations. The parks department also uses this pump on an annual basis to pump down ponds and pools. The pump characteristics at 1,800 rpm are the following: 500-gpm @ 100-ft, 1,075-gpm ,750-gpm @ 30-ft.
Earth Center Skid Steer	Replace existing 2003 skid steer loader at the end of its normal replacement cycle. This equipment is used to load finished product at the Earth Center product sales area.
T-250 Skid Steer	This existing 2004 T250 skidsteer is used on various storm sewer projects and will be replaced in FY2011. This universal piece of equipment is used for grading, loading, and backfilling for water main projects and main repairs.
Trommel Screener	This existing 2004 trommel screener is used to screen compost to ½ -inch and 1-inch particle size. The existing screener will be replaced with an upgraded and larger capacity screener with an optional stacking conveyor to improve efficiency and productivity.
Miscellaneous	To account for capital under \$50,000 that will be needed during the year.

Goals And Benefits

- Reduce maintenance costs and down time
- Increase the department's productivity
- Ensure continuous water and wastewater services
- Enable compliance with regulations of the Environmental Protection Agency and Missouri Department of Natural Resources

Expenditure Schedule

This project is to be paid from the waterworks/sewer operating fund.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
980,000	211,000	180,000	275,000	149,000	165,000

WATER/SEWER FUND – Utilities Department

Water Meter Replacement Program

Project Description

This project involves the replacement of existing, deficient or functionally obsolete water meters with new water meters that have automated meter reading (AMR) technology. AMR meters allow the meter readers to walk-by or drive-by the meters and automatically record data into a data logging device using a radio device. The new meters provide accurate readings as well as reduce the time involved in the meter reading and recording functions.

Existing Condition

This project represents the continuation of a program initiated by the City in 1993 for scheduling meter replacements on a 15-year cycle. Many of the City's water meters are obsolete and no longer provide accurate readings. The replacement program resolves the problem associated with the old meters while improving City operations through state-of-art technologies

Goals And Benefits

Improve City operations through modern technologies
Prevent revenue loss to the City
Reduce the man-hours required to complete the same function

Expenditure Schedule

This project is to be paid from the waterworks/sewer operating fund.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
600,000	120,000	120,000	120,000	120,000	120,000

WATER/SEWER FUND - Utilities Department

Sanitary Sewer Rehabilitation or Replacement – Major Maintenance

Project Description

The City maintains approximately 217 miles of sanitary sewers that range in size from 8 to 42 inches in diameter and 5,000 manholes. Due to age or poor construction, numerous sewers and manholes located throughout the City must be rehabilitated or replaced.

Existing Condition

A significant source of water infiltration and inflow occurs as a result of deteriorated or poorly constructed portions of the sewerage collection system. Infiltration and inflow adds excessive loads to and reduces efficiency of the wastewater treatment plant. In addition, deteriorated joints and root intrusion contribute to collection system problems that result in basement backups and sanitary sewer overflows.

Goals And Benefits

Improve plant capacity by reducing infiltration and inflow
Reduce property damage associated with basement backups
Ensure proper sewage collection and disposal for the health, welfare and safety of residents

Expenditure Schedule

This project is to be paid from the waterworks/sewer operating fund.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
1,000,000	200,000	200,000	200,000	200,000	200,000

WATER/SEWER FUND – Utilities Department

Water Storage Tank Repair and Maintenance – Major Maintenance

Project Description

This project involves the scheduled repair and maintenance of the water storage facilities including elevated tanks, and ground storage tanks. The interior and exterior coating system for each storage tank is scheduled to be replaced on a fifteen year cycle.

Existing Condition

The City operates and maintains several types of water storage facilities in the water distribution system including the following

- 500,000 gallon ground storage tank at Crescent Hills (1972) Paint in 2010
- 250,000 gallon elevated storage tank at Hermitage (1980) Paint in 2011
- 250,000 gallon elevated storage tank at Enwood (1980) Paint in 2012
- 300,000 gallon ground storage tank at Cave Springs (1972) Paint in 2013
- 250,000 gallon elevated storage tank at Arrowhead (1972) Paint in 2015
- 500,000 gallon ground storage tank at Kimberly (1972) Paint in 2020

For public safety and system maintenance, tanks should be completely inspected and repainted approximately every 15 years. With proper maintenance, water storage tanks can last 75 to 100 years.

Goals And Benefits

Preserve City assets
Ensure a safe water supply
Preserve the aesthetics of visible City assets

Expenditure Schedule

This project is to be paid from the waterworks/sewer operating fund.

Total	2010/11	2011/12	2012/13	2013/14	2014/15
870,000	255,000	260,000	90,000	0	265,000

Project Funding - Utility Construction Fund

Projected Fund Activity

	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>2013/14</u>	<u>2014/15</u>
Beginning Fund Balance	\$709,838	\$3,138	\$59,868	\$224,368	\$63,868	\$428,368
Revenues						
Estimated Tap Fee Revenues	444,500	444,500	444,500	444,500	444,500	444,500
Other Revenue	20,000	176,230	20,000	20,000	20,000	20,000
Total Revenues	464,500	620,730	464,500	464,500	464,500	464,500
Expenses						
WATER MAINS						
Water Main Construction Salary	100,000	100,000	100,000	100,000	100,000	100,000
Salt River Road Water Line Relocation (Arrowhead to Iffrig)	154,000	154,000	-	-	-	-
Salt River Road Well Line Relocation	18,700	-	-	-	-	-
MRMD @ QT	10,500	-	-	-	-	-
West Sunny Hills Extension	-	-	60,000	-	-	-
Well No. 8 Raw Water Line Repair	-	-	-	-	-	-
Water Main - Hwy 364 Replacement						
Water Main - Lakeside 370 - Church/Golf Course						
Water Main - Salt River Extension						
SEWERS						
Salt River Road Sewer Relocation (Arrowhead to Iffrig)	285,000	-	-	-	-	-
Spencer Creek Trunk Sewer Emergency Repairs	175,000	-	-	-	-	-
Spencer Creek Trunk Sewer Lining 18"	28,000	-	-	-	-	-
Brown Road Trunk Sewer Manhole Rehab (PS to I-70)	55,000	-	-	-	-	-
Brown Road Trunk Sewer Manhole Rehab (I-70 to Hope Ct)	-	120,000	-	-	-	-
Brown Road Turnk Sewer Joint Repair (PS to I-70)	-	-	-	225,000	-	-
Brown Road Turnk Sewer Joint Repair (I-70 to Hope Ct)	-	-	-	300,000	-	-
Brown Road Trunk Sewer Rehab (Pipe Lining)	-	-	-	-	-	500,000
OTHER PROJECTS						
WTP Flocculator Replacement	40,000	40,000	40,000	-	-	-
WTP CO-2 Equipment Replacement	100,000	-	-	-	-	-
Spare Brown Road Pump (WWTP Headworks Pump)	20,000	-	-	-	-	-
Alluvial Well Replacement	150,000	-	-	-	-	-
WTP Energy Efficiency Upgrades	35,000	-	-	-	-	-
Flash Mixer, Baffles and Mixer	-	40,000	-	-	-	-
Kimberly Booster Pump Station	-	-	100,000	-	-	-
Asphalt Plant Roads	-	110,000	-	-	-	-
OTHER EXPENSE						
TOTAL EXPENSE	1,171,200	564,000	300,000	625,000	100,000	600,000
TOTAL FUNDED	\$3,138	\$59,868	\$224,368	\$63,868	\$428,368	\$292,868

Unfunded Projects

Fund	Group	Description	Cost
General	MPS	Outdoor warning siren communications system upgrade	65,000
General	MPS	Radio system	3,500,000
General	PRS	Signage for historical sites	50,000
General	PRS	City Hall pavers	152,000
General	SSS	Permits and inspection software replacement.	103,000
General	SSS	Lakeside 370 Park Technology	100,000
General	SSS	Document imaging	110,000
General	SSS	Kronos - workforce web browser product	75,000
Local Parks and Storm Water	EDS	CD-1/2/3/4 Calwood Ditch Drainage Basin	885,000
Local Parks and Storm Water	EDS	HST-1/OT-1Henry Street Storm Sewer	705,000
Local Parks and Storm Water	EDS	SC-7 Spencer Creek Watershed	439,000
Local Parks and Storm Water	EDS	SC-9 Spencer Creek Watershed	63,500
Local Parks and Storm Water	EDS	SC-5/SC-6 Spencer Creek Watershed	851,000
Local Parks and Storm Water	EDS	SC-1Spencer Creek Watershed	333,000
Local Parks and Storm Water	EDS	Detention Basin and Retention Pond Maintenance	512,000
Local Parks and Storm Water	PRS	Build permanent rest rooms at the golf course.	150,000
Local Parks and Storm Water	PRS	Replace the exterior siding at Sports Center Park.	150,000
Local Parks and Storm Water	PRS	Complete build out of Lakeside 370 Park	5,000,000 to 10,000,000
Local Parks and Storm Water	PRS	Complete build out of Community Park in accordance with our lease agreement.	365,000
Local Parks and Storm Water	PRS	Replace existing pool shell and update lighting at Golf and Rec pool.	2,000,000
Local Parks and Storm Water	PRS	Replace existing rest room at Laurel Park	70,000
Local Parks and Storm Water	PRS	Replace existing rest room Covenant Park	80,000

Unfunded Projects

Local Parks and Storm Water	PRS	Place remote surveillance camera in parks.	50,000
Transportation Trust Fund	EDS	Street lighting	50,000
Transportation Trust Fund	EDS	Mid Rivers Mall Drive Access Management Improvement Plan	705,000
Transportation Trust Fund	PWS	Willott Road Resurfacing (Kimberly to MRMD)	455,000
Transportation Trust Fund	PWS	West Drive Resurfacing and Storm Sewer Improvements	575,000
Transportation Trust Fund	PWS	Spencer Road @ Elm Point Traffic Signal 370	265,000
Transportation Trust Fund	PWS	Queensbrook @ Woodstone Traffic Signal	295,000
Transportation Trust Fund	PWS	Mexico Road Sidewalk (1st Exec. To Jungermann)	120,000
Transportation Trust Fund	PWS	Mexico Road Resurfacing Phase II (Kimberly to Jungermann)	735,000
Transportation Trust Fund	PWS	Mexico Road Resurfacing Phase I (Spencer to Grand Teton)	800,000
Transportation Trust Fund	PWS	Mexico Road @ West Sunny Hills Pedestrian Bridge	270,000
Transportation Trust Fund	PWS	Mexico Road - Salt Lick Road Rt Turn Lane	700,000
Transportation Trust Fund	PWS	Kathleen Place Curb & Gutter & Storm Sewer Improvement.	318,000
Transportation Trust Fund	PWS	Hi Point Acres Curb and Gutter and Storm Sewer Improvements	1,610,000
Transportation Trust Fund	PWS	Exec. Centre Pkwy to Premier 370 At Grade R/R Crossing	220,000
Transportation Trust Fund	PWS	Exec. Centre Parkway to Premier 370 Rail Road Bridge	2,860,000
Transportation Trust Fund	PWS	Brown Road Resurfacing and Storm Sewer Improvements	800,000
Central Materials Processing Facility Fund	HES	Tipping Floor Expansion - Install a 150' x 60' (9,000 square foot) expansion of tipping floor for noncompacted trash, a shredder, and a fee belt or grab claw to load trash trailer.	900,000

Unfunded Projects

Central Materials Processing Facility Fund	HES	Install a new MSW Conveyor - Solid waste, from the collection trucks, is sorted by a conveyor to remove blue bags (the bags that hold recyclables), metal and cardboard. The residual trash falls to the floor and is picked up by a wheel loader, moved 250 f	90,000
Central Materials Processing Facility Fund	HES	Commingled Bag Breaker - Install a plastic bag breaker on commingled transfer belt. This will open blue bags similar to the operations on the paper feed belt.	50,000
Recreation Fund	PRS	Replace ceramic tile in food court and steps leading to lower level. Original tile floor installed in 1994 is worn and cannot be match.	200,000
Recreation Fund	PRS	Place sound proofing panels on walls in gymnasiums.	50,000
Recreation Fund	PRS	Replace existing front doors due to worn out hinges that are built into door frame.	75,000
Water Sewer	PWS	WATER MAINS	
Water Sewer	PWS	Celtic (Raintree)	19,300
Water Sewer	PWS	Willott & MRMD	36,100
Water Sewer	PWS	Willott Road (Willott Sq to Westminster)	60,000
Water Sewer	PWS	Jungs Station to Woodstone	539,600
Water Sewer	PWS	Missouri American Interconnect	60,000
Water Sewer	PWS	MRMD Extension (Ecology to Iffrig) - Possible TIF Reimbursement	122,000
Water Sewer	PWS	Ehlmann Road Extension	12,500
Water Sewer	PWS	I-70 Crossing at Gatty	104,300
Water Sewer	PWS	MRMD (S Church St to MRMD)	25,000
Water Sewer	PWS	Sugarwood to Bellavista	15,000
Water Sewer	PWS	SEWERS	
Water Sewer	PWS	Brown Road PS & FM (Creek Crossing)	2,000,000
Water Sewer	PWS	Walnut Tree Phase II (North and South Branches)	229,600
Water Sewer	PWS	Park Street Force Main Relocation	70,000
Water Sewer	PWS	Executive Centre (Turnberry to Railroad Tracks)	110,000
Water Sewer	PWS	Spencer Creek Trunk Sewer Replacement Phase I	250,000
Water Sewer	PWS	Spencer Creek Trunk Sewer Replacement Phase II	150,000
Water Sewer	PWS	Spencer Creek Trunk Sewer Lining 18"	63,000
Water Sewer	PWS	Brown Road Trunk Sewer Rehab (Pipe Lining)	500,000
Water Sewer	PWS	OTHER PROJECTS	
Water Sewer	PWS	High Service Pump Replacements	60,000
Water Sewer	PWS	High service Pump Discharge Valves	12,000
Water Sewer	PWS	WTP Lime Thickener	1,000,000
Water Sewer	PWS	Filter Trough Replacement (West Side)	30,000
Water Sewer	PWS	Alluvial Well Replacement	750,000
Water Sewer	PWS	Crescent Hills BPS Electrical Upgrade	55,000

Unfunded Projects

Water Sewer	PWS	Cave Springs BPS Electrical Upgrade	40,000
Water Sewer	PWS	Kimberly Booster Pumping Station	200,000
Water Sewer	PWS	WWTP Railing Upgrades	22,000
Water Sewer	PWS	Nutrient Removal	1,000,000
Water Sewer	PWS	Concrete Floor Equipment/Vehicle Shed	45,000
Water Sewer	PWS	Overhead Doors Equipment/Vehicles Shed	50,000